Modbus Register Mapping

Control

PS0500
PS0600
PC500/PC550
PCC 1301
PowerCommand 1.1
PowerCommand 1.2
PowerCommand 2.2
PowerCommand 2.3
PowerCommand 3.3
DMC 1000
DMC 1500
MCM 3320
AUX101/102

English
Original Instructions 8-2017 A029X159 (Issue 19)

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1 Important Safety Instructions

SAVE THESE INSTRUCTIONS - This manual contains important instructions that should be followed during installation and maintenance of the generator set and batteries.

Before operating the generator set, read the Operator's Manual and become familiar with it and the equipment. **Safe and efficient operation can be achieved only if the equipment is properly operated and maintained.** Many accidents are caused by failure to follow fundamental rules and precautions.

1.1 Warning, Caution, and Note Styles Used in This Manual

The following safety styles and symbols found throughout this manual indicate potentially hazardous conditions to the operator, service personnel, or equipment.

⚠ DANGER
Indicates a hazardous situation that, if not avoided, will result in death or serious injury.

⚠ WARNING
Indicates a hazardous situation that, if not avoided, could result in death or serious injury.

⚠ CAUTION
Indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.

NOTICE
Indicates information considered important, but not hazard-related (e.g., messages relating to property damage).

1.2 Fuel and Fumes Are Flammable

Fire, explosion, and personal injury or death can result from improper practices.

- DO NOT fill fuel tanks while the engine is running unless the tanks are outside the engine compartment. Fuel contact with hot engine or exhaust is a potential fire hazard.
- DO NOT permit any flame, cigarette, pilot light, spark, arcing equipment, or other ignition source near the generator set or fuel tank.
- Fuel lines must be adequately secured and free of leaks. Fuel connection at the engine should be made with an approved flexible line. Do not use copper piping on flexible lines as copper will become brittle if continuously vibrated or repeatedly bent. Do not use zinc coated fuel lines with diesel fuel.
- Make sure all fuel supplies have a positive shutoff valve.
- Make sure the battery area has been well-ventilated prior to servicing near it. Lead-acid batteries emit a highly explosive hydrogen gas that can be ignited by arcing, sparking, smoking, etc.

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1.2.1 Gaseous Fuels

Natural gas is lighter than air, and will tend to gather under covered areas.

1.2.2 Exhaust Gases Are Deadly

- Provide an adequate exhaust system to properly expel discharged gases away from enclosed or sheltered areas, and areas where individuals are likely to congregate. Visually and audibly inspect the exhaust system daily for leaks per the maintenance schedule. Make sure that exhaust manifolds are secured and not warped. Do not use exhaust gases to heat a compartment.
- The exhaust vent should be high enough to help clear gases, avoid accumulation of snow, and in accordance with all local mechanical codes.
- Make sure the unit is well ventilated.
- Engine exhaust and some of its constituents are known to the state of California to cause cancer, birth defects, and other reproductive harm.

1.3 Moving Parts Can Cause Severe Personal Injury or Death

- Keep hands, clothing, and jewelry away from moving parts.
- Before starting work on the generator set, disconnect the battery charger from its AC source, then disconnect the starting batteries using an insulated wrench, negative (**–**) cable first. In lean-burn natural gas (LBNG) generator sets, also make sure the starter's air supply line is disconnected or completely vented until the generator set is ready to start. This will prevent accidental starting.
- Make sure that fasteners on the generator set are secure. Tighten supports and clamps; keep guards in position over fans, drive belts, etc.
- Do not wear loose clothing or jewelry in the vicinity of moving parts or while working on electrical equipment. Loose clothing and jewelry can become caught in moving parts.
- If any adjustments must be made while the unit is running, use extreme caution around hot manifolds, moving parts, etc.

1.4 Do Not Operate in Flammable and Explosive Environments

Flammable vapor can cause an engine to over speed and become difficult to stop, resulting in possible fire, explosion, severe personal injury, and death. Do not operate a generator set where a flammable vapor environment can be created, unless the generator set is equipped with an automatic safety device to block the air intake and stop the engine. The owners and operators of the generator set are solely responsible for operating the generator set safely. Contact your authorized Cummins distributor for more information.

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1.5 Electrical Shock Can Cause Severe Personal Injury Or Death

- Remove electric power before removing protective shields or touching electrical equipment. Use rubber insulated mats placed on dry wood platforms over floors that are metal or concrete when around electrical equipment. Do not wear damp clothing (particularly wet shoes) or allow skin surface to be damp when handling electrical equipment. Do not wear jewelry. Jewelry can short out electrical contacts and cause shock or burning.
- Use extreme caution when working on electrical components. High voltages can cause injury or death. DO NOT tamper with interlocks.
- Follow all applicable state and local electrical codes. Have all electrical installations performed by a qualified licensed electrician. Tag and lock open switches to avoid accidental closure.
- DO NOT CONNECT GENERATOR SET DIRECTLY TO ANY BUILDING ELECTRICAL SYSTEM. Hazardous voltages can flow from the generator set into the utility line. This creates a potential for electrocution or property damage. Connect only through an approved isolation switch or an approved paralleling device.

1.5.1 Medium Voltage Equipment (601 V to 15 kV - U.S. and Canada)

- Medium voltage acts differently than low voltage. Special equipment and training is required to work on or around medium voltage equipment. Operation and maintenance must be done only by persons trained and experienced to work on such devices. Improper use or procedures will result in severe personal injury or death.
- Do not work on energized equipment. Unauthorized personnel must not be permitted near energized equipment. Due to the nature of medium voltage electrical equipment, induced voltage remains even after the equipment is disconnected from the power source. Plan the time for maintenance with authorized personnel so that the equipment can be de-energized and safely grounded.

1.6 General Safety Precautions

⚠ WARNING

Hot Pressurized Liquid

Contact with hot liquid can cause severe burns.

Do not open the pressure cap while the engine is running. Let the engine cool down before removing the cap. Turn the cap slowly and do not open it fully until the pressure has been relieved.

⚠ WARNING

Moving Parts

Moving parts can cause severe personal injury.

Use extreme caution around moving parts. All guards must be properly fastened to prevent unintended contact.

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⚠ WARNING

Toxic Hazard

Used engine oils have been identified by some state and federal agencies to cause cancer or reproductive toxicity.

Do not ingest, breathe the fumes, or contact used oil when checking or changing engine oil. Wear protective gloves and face guard.

⚠ WARNING

Electrical Generating Equipment

Incorrect operation can cause severe personal injury or death.

Do not operate equipment when fatigued, or after consuming any alcohol or drug.

⚠ WARNING

Toxic Gases

Substances in exhaust gases have been identified by some state and federal agencies to cause cancer or reproductive toxicity.

Do not breathe in or come into contact with exhaust gases.

⚠ WARNING

Combustible Liquid

Ignition of combustible liquids is a fire or explosion hazard which can cause severe burns or death.

Do not store fuel, cleaners, oil, etc., near the generator set.

⚠ WARNING

High Noise Level

Generator sets in operation emit noise, which can cause hearing damage.

Wear appropriate ear protection at all times.

⚠ WARNING

Hot Surfaces

Contact with hot surfaces can cause severe burns.

The unit is to be installed so that the risk of hot surface contact by people is minimized. Wear appropriate PPE when working on hot equipment and avoid contact with hot surfaces.

⚠ WARNING

Electrical Generating Equipment

Incorrect operation and maintenance can result in severe personal injury or death

Make sure that only suitably trained and experienced service personnel perform electrical and/or mechanical service.

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⚠ WARNING

Toxic Hazard

Ethylene glycol, used as an engine coolant, is toxic to humans and animals.

Wear appropriate PPE. Clean up coolant spills and dispose of used coolant in accordance with local environmental regulations.

⚠ WARNING

Combustible Liquid

Ignition of combustible liquids is a fire or explosion hazard which can cause severe burns or death.

Do not use combustible liquids like ether.

⚠ WARNING

Automated Machinery

Accidental or remote starting of the generator set can cause severe personal injury or death.

Isolate all auxiliary supplies and use an insulated wrench to disconnect the starting battery cables (negative [–] first).

⚠ WARNING

Fire Hazard

Materials drawn into the generator set are a fire hazard. Fire can cause severe burns or death.

Keep the generator set and the surrounding area clean and free from obstructions.

⚠ WARNING

Fire Hazard

Materials drawn into the generator set are a fire hazard. Fire can cause severe burns or death.

Make sure the generator set is mounted in a manner to prevent combustible materials from accumulating under the unit.

⚠ WARNING

Fire Hazard

Accumulated grease and oil are a fire hazard. Fire can cause severe burns or death.

Keep the generator set and the surrounding area clean and free from obstructions. Repair oil leaks promptly.

NOTICE

Keep multi-type ABC fire extinguishers close by. Class A fires involve ordinary combustible materials such as wood and cloth. Class B fires involve combustible and flammable liquid fuels and gaseous fuels. Class C fires involve live electrical equipment. (Refer to NFPA No. 10 in the applicable region.)

NOTICE

Before performing maintenance and service procedures on enclosed generator sets, make sure the service access doors are secured open.

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NOTICE

Stepping on the generator set can cause parts to bend or break, leading to electrical shorts, or to fuel, coolant, or exhaust leaks. Do not step on the generator set when entering or leaving the generator set room.

1.7 Decommissioning and Disassembly

NOTICE

Decommissioning and disassembly of the generator set at the end of its working life must comply with local guidelines and legislation for disposal/recycling of components and contaminated fluids. This procedure must only be carried out by suitably trained and experienced service personnel. For more information contact your authorized distributor.

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2 Introduction

2.1 Controllers

NOTICE

- **Cummins controllers that have Modbus RS485 Communication built-in have a dedicated Modbus holding register for "Save Trims". The number of write cycles on any flash memory device are finite.**
- **Only save trims once all configuration changes are complete; saving them on a schedule can reduce the lifetime of the physical control. Do not save trims unless a change has occurred.**

NOTICE

There is a fixed number of write cycles available in the life of the control. Once these are used up, the control must be replaced.

This note is targeted to, but not limited to, the following Modbus registers per Cummins device. If the device is not listed in the table, please reference the dedicated Modbus register for "Save Trims".

Device	Holding Register Address	Access	Specifications	Description
PC 1.x PS0500 PCC 1301 PCC 1302	40004	Read and Write	0: No action 1: Save unconditional	Save configuration parameters or adjustments to non-volatile memory. Perform Save Trims after all configurations have been updated. Do not save trims unless a change has occurred.
PS0600	408039	Read and Write	0: IsFalse 1: IsTrue	
PC 2.x PC 3.x PCC 2300 PCC 3300	43910	Read and Write	0: Do nothing 1: Save Trims	
DMC 1000 /DMC	42004	Read and Write	0: Do nothing 1: Save Trims Default: Do Nothing	
AUX 101	43052	Read and Write	0: Do Nothing 1: Save Trims	

2.2 Bitmapping

Bitmapped registers are based in a 0-bit system. For a 16-bit register, 0 is the low-order bit and 15 is the high-order bit.

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3 PCC 1301/PowerCommand 1.x/PS0500 Modbus Register Map

The controller contains data that can be read by a master device communicating via Modbus RTU protocol on a two-wire RS485 multi-drop bus. The Cummins control is a slave unit.

For more information about the Modbus protocol, refer to *Modbus Application Protocol V1.1b3* and *Modbus Serial Line Implementation Guide V1.02*, which are both available at www.modbus.org.

TABLE 1. RS485 PINS

	PCC 1301	PS0500/PowerCommand 1.x
A (+)	TB2-3	TB15-3
B (-)	TB2-4	TB15-4
Common	TB2-1	TB15-1

NOTICE

Earlier versions of this software may not support all of the Modbus registers in the table below. If a particular register is not available in your installation, it is possible that the Modbus connection is working but the controller software does not support that particular register.

NOTICE

For the PS0500 control, Modbus functionality is ONLY available from software version 6.02 and later.

NOTICE

If an address or bit is not listed in the table below, it has not been implemented.

NOTICE

The master device can read 1-16 contiguous registers, write 1-16 contiguous registers, or read diagnostic counters.

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TABLE 2. PCC 1301/POWERCOMMAND 1.X/PS0500 MODBUS REGISTER MAP

Addr.	Parameter	Access	Specifications	Description	Control
40004	Save Trims	Read and Write	0: No action 1: Save Unconditional	Save configuration parameters or adjustments to non-volatile memory; perform Save Trims after all configurations have been updated; do not save trims unless a change has occurred	PC1.x, PS0500, PCC1301
40009	Controller Type	Read Only	Multiplier: 1 Size(Bits): 8 Sign: U Lower Limit: 0 Upper Limit: 255	Device type of controller	PC1.x, PS0500, PCC1301
40010	Operation Mode Switch Position	Read Only	0: Off 1: Auto 2: Manual	Current position of the generator set switch panel Off-Run-Auto switch as seen by the generator set control	PC1.x, PS0500, PCC1301
40011	Genset State	Read Only	0: Ready 1: Precrank 2: Ramp 3: Running	This parameter reflects the current state of the generator set.	PC1.x, PS0500, PCC1301
40012	Active Fault	Read Only	Multiplier: 1 Offset: 0 Size(Bits) 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: 0	This register contains the fault code number of the currently active fault. See the service manual for a list of supported fault codes.	PC1.x, PS0500, PCC1301
40013	Active Fault Type	Read Only	0: Normal 1: Warning 4: Shutdown	This register contains the fault type of the currently active fault.	PC1.x, PS0500, PCC1301
40016	NFPA 110 fault register	Read Only	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: NA Lower Limit: NA Upper Limit: NA Default: NA	16 bit number to represent the status of the NFPA110 logical; see **Table 8 on page 457**	PC1.x, PS0500, PCC1301

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Addr.	Parameter	Access	Specifications	Description	Control
40017	Extended Annunciation fault register	Read Only	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: NA Lower Limit: NA Upper Limit: NA Default: NA	16 bit number to represent the status of the NFPA110 logical; see **Table 8 on page 457**	PC1.x, PS0500, PCC1301
40018	Alternator L1-N Voltage	Read Only	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: Vac Lower Limit: 0 Upper Limit: 65535 Default: NA	Generator set L1-N voltage	PC1.x, PS0500, PCC1301
40019	Alternator L2-N Voltage	Read Only	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: Vac Lower Limit: 0 Upper Limit: 65535 Default: NA	Generator set L2-N voltage	PC1.x, PS0500, PCC1301
40020	Alternator L3-N Voltage	Read Only	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: Vac Lower Limit: 0 Upper Limit: 65535 Default: NA	Generator set L3-N voltage	PC1.x, PS0500, PCC1301
40022	Alternator L1-L2 Voltage	Read Only	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: Vac Lower Limit: 0 Upper Limit: 65535 Default: NA	Generator set L1-L2 voltage	PC1.x, PS0500, PCC1301

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Addr.	Parameter	Access	Specifications	Description	Control
40023	Alternator L2-L3 Voltage	Read Only	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: Vac Lower Limit: 0 Upper Limit: 65535 Default: NA	Generator set L2-L2 voltage	PC1.x, PS0500, PCC1301
40024	Alternator L3-L1 Voltage	Read Only	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: Vac Lower Limit: 0 Upper Limit: 65535 Default: NA	Generator set L3-L1 voltage	PC1.x, PS0500, PCC1301
40025	Alt Voltage	Read Only	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: Vac Lower Limit: 0 Upper Limit: 65535 Default: NA	Generator set line to line average voltage	PC1.x, PS0500, PCC1301
40026	Alternator L1 Current	Read Only	Multiplier: 0.1 Offset: 0 Size(Bits): 16 Sign: U Units: amps Lower Limit: 0 Upper Limit: 65535 Default: NA	Monitors the generator set L1 current value	PC1.x, PS0500, PCC1301
40027	Alternator L2 Current	Read Only	Multiplier: 0.1 Offset: 0 Size(Bits): 16 Sign: U Units: amps Lower Limit: 0 Upper Limit: 65535 Default: NA	Monitors the generator set L2 current value	PC1.x, PS0500, PCC1301

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Addr.	Parameter	Access	Specifications	Description	Control
40028	Alternator L3 Current	Read Only	Multiplier: 0.1 Offset: 0 Size(Bits): 16 Sign: U Units: amps Lower Limit: 0 Upper Limit: 65535 Default: NA	Monitors the generator set L3 current value	PC1.x, PS0500, PCC1301
40029	Genset Average Current	Read Only	Multiplier: 0.1 Offset: 0 Size(Bits): 16 Sign: U Units: amps Lower Limit: 0 Upper Limit: 65535 Default: NA	Generator set average current	PC1.x, PS0500, PCC1301
40040	Alternator Output Volt-Amperes (Phase A)	Read Only	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: kVa Lower Limit: 0 Upper Limit: 65535 Default: NA	Alternator output volt-amperes (Phase A)	PC1.x, PS0500, PCC1301
40041	Alternator Output Volt-Amperes (Phase B)	Read Only	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: kVa Lower Limit: 0 Upper Limit: 65535 Default: NA	Alternator output volt-amperes (Phase B)	PC1.x, PS0500, PCC1301
40042	Alternator Output Volt-Amperes (Phase C)	Read Only	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: kVa Lower Limit: 0 Upper Limit: 65535 Default: NA	Alternator output volt-amperes (Phase C)	PC1.x, PS0500, PCC1301

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Addr.	Parameter	Access	Specifications	Description	Control
40043	Alternator Output Volt-Amperes (Total)	Read Only	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: kVa Lower Limit: 0 Upper Limit: 65535 Default: NA	Alternator output volt-amperes (total)	PC1.x, PS0500, PCC1301
40044	Average Alt Line Frequency	Read Only	Multiplier: 0.1 Offset: 0 Size(Bits): 16 Sign: U Units: % Lower Limit: 0 Upper Limit: 65535 Default: NA	Average alternator line frequency	PC1.x, PS0500, PCC1301
40058	Rated Alternator L1 Current (%)	Read Only	Multiplier: 0.1 Offset: 0 Size(Bits): 16 Sign: U Units: % Lower Limit: 0 Upper Limit: 65535 Default: NA	Monitors the generator set standby L1 current percentage output	PC1.x, PS0500, PCC1301
40059	Rated Alternator L2 Current (%)	Read Only	Multiplier: 0.1 Offset: 0 Size(Bits): 16 Sign: U Units: % Lower Limit: 0 Upper Limit: 65535 Default: NA	Monitors the generator set standby L2 current percentage output	PC1.x, PS0500, PCC1301
40060	Rated Alternator L3 Current (%)	Read Only	Multiplier: 0.1 Offset: 0 Size(Bits): 16 Sign: U Units: % Lower Limit: 0 Upper Limit: 65535 Default: NA	Monitors the generator set standby L3 current percentage output	PC1.x, PS0500, PCC1301

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Addr.	Parameter	Access	Specifications	Description	Control
40061	Battery Voltage	Read Only	Multiplier: 0.1 Offset: 0 Size(Bits): 16 Sign: U Units: Vdc Lower Limit: 0 Upper Limit: 65535 Default: NA	Value of battery voltage	PC1.x, PS0500, PCC1301
40062	Oil Pressure	Read Only	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: kPa Lower Limit: 0 Upper Limit: 65535 Default: NA	Monitor point for oil pressure	PC1.x, PS0500, PCC1301
40064	Coolant Temperature	Read Only	Multiplier: 0.1 Offset: 0 Size(Bits): 16 Sign: U Units: degc Lower Limit: 0 Upper Limit: 65535 Default: NA	Monitor point for coolant temperature	PC1.x, PS0500, PCC1301
40068	Engine Speed	Read Only	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: Rpm Lower Limit: 0 Upper Limit: 65535 Default: NA	Monitor point for average engine speed	PC1.x, PS0500, PCC1301
40069	Total Runs	Read Only	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: 0	Parameter reflects total number of starts	PC1.x, PS0500, PCC1301

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Addr.	Parameter	Access	Specifications	Description	Control
40070	Engine Run Time (High Byte)	Read Only	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: Sec Lower Limit: 0 Upper Limit: 65535 Default: NA	Total engine run time	PC1.x, PS0500, PCC1301
40071	Engine Run Time (Low Byte)	Read Only	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: Sec Lower Limit: 0 Upper Limit: 65535 Default: NA	Total engine run time	PC1.x, PS0500, PCC1301
40210	AUX101 Speed Bias	Read Only	Multiplier: 0.01 Offset: 0 Size(Bits): 16 Sign: S Units: RPM Lower Limit: -100 Upper Limit: 100 Default: NA	AUX101 speed bias	PCC1301
40211	AUX101 Voltage Bias	Read Only	Multiplier: 0.01 Offset: 0 Size(Bits): 16 Sign: S Units: Volt Lower Limit: -100 Upper Limit: 100 Default: NA	AUX101 Voltage bias	PCC1301
40229	Barometric Absolute Pressure	Read Only	Multiplier : 0.1 Offset: 0 Size (Bits) : 16 Sign: U Units: PSI Lower Limit: 0 Upper Limit: 19 Default: NA	Monitor point for the barometric absolute pressure	PC 1.x

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Addr.	Parameter	Access	Specifications	Description	Control
40242	LTA Temperature	Read Only	Multiplier : 1 Offset: 0 Size (Bits) : 16 Sign: S Units: degF Lower Limit: NA Upper Limit: NA Default: NA	The processed value of the LTA temperature sensor for the system IO module	PC 1.x
40254	Fuel Pressure Valid	Read Only	0. Invalid 1. Valid	Indicates if the fuel pressure is valid/invalid from the AUX101 or ECM datalink	PC 1.x
40278	Configurable Input #4 Status	Read Only	0. Inactive 1. Active	Measured state of hardware input	PC 1.x
40300	Genset start stop control via Modbus	Read and Write	0: Stop 1: Start	Remote start via Modbus	PC1.x, PS0500, PCC1301
40301	Fault reset via Modbus (No logical)	Read and Write	0: Inactive 1: Active	Fault reset	PC1.x, PCC1301, PS0500
40302	Genset E-stop switch via Modbus (no logical)	Read and Write	0: E-stop Inactive 1: E-stop Active	Status of E-stop switch	PC1.x, PCC1301, PS0500
40535	Customer Output 1 Event	Read Only	0. Inactive 1. Active	Output of Customer Output 1 Event command	PC 1.x
40536	Customer Output 2 Event	Read Only	0. Inactive 1. Active	Output of Customer Output 2 Event command	PC 1.x
40583	Dead Battery Prevention Counter	Read Only	Multiplier : 1 Offset: 0 Size (Bits) : 8 Sign: U Units: NA Lower Limit: NA Upper Limit: NA Default: NA	Tracks the number of crank attempts in order to limit the attempts when the battery is so low that the control resets	PC 1.x
40587	Exercise Scheduler Status	Read Only	0. Inactive 1. Active	Displays the status of the Exercise Scheduler	PC 1.x

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Addr.	Parameter	Access	Specifications	Description	Control
43000	Alternator Nominal Voltage	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: Vac Lower Limit: 190 Upper Limit: 600 Default: 208	This register represents alternator nominal voltage.	PC1.x, PS0500, PCC1301
43001	Alternator Frequency Switch	Read and Write	0: 60 Hz 1: 50 Hz	Set to 50 Hz or 60 Hz	PC1.x, PS0500, PCC1301
43002	Single/3 Phase Connection	Read and Write	0: Single Phase 1: Three Phase	Generator output connection type	PC1.x
43003	Connection Type	Read and Write	0: Delta 1: Wye	Alternator connection type	PC1.x, PS0500, PCC1301
43004	Glow Plug Enable	Read and Write	0: Disable 1: Enable	Glow plug driver feature enable	PC1.x, PS0500, PCC1301
43005	Charging Alternator Functions Disable	Read and Write	0: Disable 1: Enable	Used to disable the controller related charging alt functions	PC1.x, PS0500, PCC1301
43006	Start Time Delay	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: Sec Lower Limit: 0 Upper Limit: 300 Default: 0	Remote start time delay setting	PC1.x, PS0500, PCC1301
43007	Stop Time Delay	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: Sec Lower Limit: 0 Upper Limit: 600 Default: 0	Remote stop time delay setting	PC1.x, PS0500, PCC1301

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Addr.	Parameter	Access	Specifications	Description	Control
43008	Cycle Crank Attempts	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: NA Lower Limit: 1 Upper Limit: 7 Default: 3	Maximum number of start attempts for cycle crank mode	PC1.x, PS0500, PCC1301
43009	Cycle Crank Engage Time	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: sec Lower Limit: 3 Upper Limit: 30 Default: 15	Maximum starter engage time for cycle crank mode	PC1.x, PS0500, PCC1301
43010	Cycle Crank Reset Time	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: sec Lower Limit: 0 Upper Limit: 60 Default: 30	Engine starting cycle crank attempts setting	PC1.x, PS0500, PCC1301
43011	Fault bypass (battle short) feature enable	Read and Write	0: Disable 1: Enable	Operator panel enable for Battle Short	PC1.x, PCC1301

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Addr.	Parameter	Access	Specifications	Description	Control
43012	Battle Short Switch Input	Read and Write	0: None, 1: Configurable Input #1, 2: Configurable Input #2, 3: Configurable Input #3, 4: Configurable Input #4, 5: Operator Panel	Switch Input for Battle Short 0= None 1=Customer Input 1 2=Customer Input 2 3 =Customer Input 3 4 =Customer Input 4 5=Operator Panel PCC1301 Modbus mapping for parameters having different limits as compared to PC1.x and PS0500; see **Table 3 on page 42** **Note:** For PC1.x SW versions less than 2.73, the "Battle Short Switch Input" range is 0 to 3. For PC1.x SW versions 2.73 and greater, the "Battle Short Switch Input" range is 0 to 5.	PC1.x
43013	AVR Enable	Read and Write	0: Disable 1: Enable	Automatic voltage regulation enable	PC1.x, PCC1301
43014	V/Hz Knee Frequency	Read and Write	Multiplier: 0.1 Offset: 0 Size(Bits): 16 Sign: S Units: Hz Lower Limit: 0 Upper Limit: 1000 Default: 500	Automatic voltage regulator volts per hertz roll off knee setting	PC1.x, PCC1301
43015	V/Hz Rolloff Slope	Read and Write	Multiplier: 0.1 Offset: 0 Size(Bits): 16 Sign: U Units: %v/Hz Lower Limit: 0 Upper Limit: 50 Default: 22	Automatic voltage regulator volts per hertz roll off slope setting	PC1.x, PCC1301
43016	AVR Gain Adjust	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: % Lower Limit: 5 Upper Limit: 1000 Default: 100	Automatic voltage regulator gain setting	PC1.x, PCC1301

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Addr.	Parameter	Access	Specifications	Description	Control
43017	AVR K2 Gain Adjust	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: % Lower Limit: 5 Upper Limit: 1000 Default: 100	Automatic voltage regulator K2 gain setting	PC1.x, PCC1301
43018	AVR D Gain Adjust	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: % Lower Limit: 95 Upper Limit: 105 Default: 100	Automatic voltage regulator K2 gain setting	PC1.x, PCC1301
43019	Electronic Governor Enable	Read and Write	0: Disable 1: Enable	Electronic governor enable feature	PC1.x, PCC1301
43020	Initial Crank Fueling Command	Read and Write	Multiplier: 0.1 Offset: 0 Size(Bits): 16 Sign: U Units: % Lower Limit: 0 Upper Limit: 500 Default: 250	Electronic governing initial duty cycle setting	PC1.x, PCC1301
43021	Initial Crank Fueling Period	Read and Write	Multiplier: 0.1 Offset: 0 Size(Bits): 8 Sign: U Units: % Lower Limit: 0 Upper Limit: 100 Default: 20	Time spent at Initial Crank Fueling command	PC1.x, PCC1301
43022	Crank Fueling Ramp Rate	Read and Write	Multiplier: 0.1 Offset: 0 Size(Bits): 16 Sign: U Units: %/sec Lower Limit: 50 Upper Limit: 1000 Default: 250	Electronic governing start ramp duty cycle setting	PC1.x, PCC1301

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Addr.	Parameter	Access	Specifications	Description	Control
43023	Maximum Crank Fueling	Read and Write	Multiplier: 0.1 Offset: 0 Size(Bits): 16 Sign: U Units: % Lower Limit: 500 Upper Limit: 1000 Default: 1000	Electronic governing maximum duty cycle setting	PC1.x, PCC1301
43024	Governor Gain Adjust	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: % Lower Limit: 5 Upper Limit: 1000 Default: 100	Electronic governing gain setting	PC1.x, PCC1301
43025	Gov K2 Gain Adjust	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: % Lower Limit: 5 Upper Limit: 1000 Default: 100	Electronic governor K2 gain setting	PC1.x, PCC1301
43026	Gov D Gain Adjust	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: % Lower Limit: 95 Upper Limit: 105 Default: 100	Electronic governor damping adjustment	PC1.x, PCC1301
43027	Crank Exit Fueling Command	Read and Write	Multiplier: 0.1 Offset: 0 Size(Bits): 16 Sign: U Units: % Lower Limit: 0 Upper Limit: 1000 Default: 250	Electronic governing crank exit fuel duty cycle setting	PC1.x, PCC1301

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Addr.	Parameter	Access	Specifications	Description	Control
43028	Dither Factor	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: % Lower Limit: 0 Upper Limit: 30 Default: 25	Electronic governing dither factor setting	PC1.x, PCC1301
43029	Governor Ramp Time	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: sec Lower Limit: 0 Upper Limit: 15000 Default: 25	Electronic governing start ramp time setting	PC1.x, PCC1301
43030	Governor Enable Speed	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: RPM Lower Limit: 0 Upper Limit: 1400 Default: 1100	Engine speed at which governor is enabled	PC1.x, PS0500, PCC1301
43031	Minimum Governor Duty Cycle	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 8 Sign: U Units: % Lower Limit: 0 Upper Limit: 100 Default: 20	Setting for electronic governor minimum duty cycle	PC1.x, PCC1301
43032	Maximum Governor Duty Cycle	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 8 Sign: U Units: % Lower Limit: 0 Upper Limit: 100 Default: 95	Setting for electronic governor maximum duty cycle	PC1.x, PCC1301

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Addr.	Parameter	Access	Specifications	Description	Control
43033	Model number character #1	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 8 Sign: Char Units: NA Lower Limit: 0 Upper Limit: 255 Default: NA	Byte 1 for model number	PC1.x, PS0500, PCC1301
43034	Model number character #2	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 8 Sign: Char Units: NA Lower Limit: 0 Upper Limit: 255 Default: NA	Byte 2 for model number	PC1.x, PS0500, PCC1301
43035	Model number character #3	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 8 Sign: Char Units: NA Lower Limit: 0 Upper Limit: 255 Default: NA	Byte 3 for model number	PC1.x, PS0500, PCC1301
43036	Model number character #4	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 8 Sign: Char Units: NA Lower Limit: 0 Upper Limit: 255 Default: NA	Byte 4 for model number	PC1.x, PS0500, PCC1301
43037	Model number character #5	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 8 Sign: Char Units: NA Lower Limit: 0 Upper Limit: 255 Default: NA	Byte 5 for model number	PC1.x, PS0500, PCC1301

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Addr.	Parameter	Access	Specifications	Description	Control
43038	Model number character #6	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 8 Sign: Char Units: NA Lower Limit: 0 Upper Limit: 255 Default: NA	Byte 6 for model number	PC1.x, PS0500, PCC1301
43039	Model number character #7	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 8 Sign: Char Units: NA Lower Limit: 0 Upper Limit: 255 Default: NA	Byte 7 for model number	PC1.x, PS0500, PCC1301
43040	Model number character #8	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 8 Sign: Char Units: NA Lower Limit: 0 Upper Limit: 255 Default: NA	Byte 8 for model number	PC1.x, PS0500, PCC1301
43041	Model number character #9	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 8 Sign: Char Units: NA Lower Limit: 0 Upper Limit: 255 Default: NA	Byte 9 for model number	PC1.x, PS0500, PCC1301
43042	Model number character #10	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 8 Sign: Char Units: NA Lower Limit: 0 Upper Limit: 255 Default: NA	Byte 10 for model number	PC1.x, PS0500, PCC1301

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Addr.	Parameter	Access	Specifications	Description	Control
43043	Model number character #11	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 8 Sign: Char Units: NA Lower Limit: 0 Upper Limit: 255 Default: NA	Byte 11 for model number	PC1.x, PS0500, PCC1301
43044	Model number character #12	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 8 Sign: Char Units: NA Lower Limit: 0 Upper Limit: 255 Default: NA	Byte 12 for model number	PC1.x, PS0500, PCC1301
43045	Model number character #13	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 8 Sign: Char Units: NA Lower Limit: 0 Upper Limit: 255 Default: NA	Byte 13 for model number	PC1.x, PS0500, PCC1301
43046	Model number character #14	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 8 Sign: Char Units: NA Lower Limit: 0 Upper Limit: 255 Default: NA	Byte 14 for model number	PC1.x, PS0500, PCC1301
43047	Model number character #15	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 8 Sign: Char Units: NA Lower Limit: 0 Upper Limit: 255 Default: NA	Byte 15 for model number	PC1.x, PS0500, PCC1301

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Addr.	Parameter	Access	Specifications	Description	Control
43048	Model number character #16	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 8 Sign: Char Units: NA Lower Limit: 0 Upper Limit: 255 Default: NA	Byte 16 for model number	PC1.x, PS0500, PCC1301
43049	Serial number character #1	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 8 Sign: Char Units: NA Lower Limit: 0 Upper Limit: 255 Default: NA	Byte 1 for serial number	PC1.x, PS0500, PCC1301
43050	Serial number character #2	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 8 Sign: Char Units: NA Lower Limit: 0 Upper Limit: 255 Default: NA	Byte 2 for serial number	PC1.x, PS0500, PCC1301
43051	Serial number character #3	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 8 Sign: Char Units: NA Lower Limit: 0 Upper Limit: 255 Default: NA	Byte 3 for serial number	PC1.x, PS0500, PCC1301
43052	Serial number character #4	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 8 Sign: Char Units: NA Lower Limit: 0 Upper Limit: 255 Default: NA	Byte 4 for serial number	PC1.x, PS0500, PCC1301

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Addr.	Parameter	Access	Specifications	Description	Control
43053	Serial number character #5	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 8 Sign: Char Units: NA Lower Limit: 0 Upper Limit: 255 Default: NA	Byte 5 for serial number	PC1.x, PS0500, PCC1301
43054	Serial number character #6	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 8 Sign: Char Units: NA Lower Limit: 0 Upper Limit: 255 Default: NA	Byte 6 for serial number	PC1.x, PS0500, PCC1301
43055	Serial number character #7	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 8 Sign: Char Units: NA Lower Limit: 0 Upper Limit: 255 Default: NA	Byte 7 for serial number	PC1.x, PS0500, PCC1301
43056	Serial number character #8	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 8 Sign: Char Units: NA Lower Limit: 0 Upper Limit: 255 Default: NA	Byte 8 for serial number	PC1.x, PS0500, PCC1301
43057	Serial number character #9	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 8 Sign: Char Units: NA Lower Limit: 0 Upper Limit: 255 Default: NA	Byte 9 for serial number	PC1.x, PS0500, PCC1301

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Addr.	Parameter	Access	Specifications	Description	Control
43058	Serial number character #10	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 8 Sign: Char Units: NA Lower Limit: 0 Upper Limit: 255 Default: NA	Byte 10 for serial number	PC1.x, PS0500, PCC1301
43059	Serial number character #11	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 8 Sign: Char Units: NA Lower Limit: 0 Upper Limit: 255 Default: NA	Byte 11 for serial number	PC1.x, PS0500, PCC1301
43060	Serial number character #12	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 8 Sign: Char Units: NA Lower Limit: 0 Upper Limit: 255 Default: NA	Byte 12 for serial number	PC1.x, PS0500, PCC1301
43061	Serial number character #13	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 8 Sign: Char Units: NA Lower Limit: 0 Upper Limit: 255 Default: NA	Byte 13 for serial number	PC1.x, PS0500, PCC1301
43062	Serial number character #14	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 8 Sign: Char Units: NA Lower Limit: 0 Upper Limit: 255 Default: NA	Byte 14 for serial number	PC1.x, PS0500, PCC1301

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Addr.	Parameter	Access	Specifications	Description	Control
43063	Serial number character #15	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 8 Sign: Char Units: NA Lower Limit: 0 Upper Limit: 255 Default: NA	Byte 15 for serial number	PC1.x, PS0500, PCC1301
43064	Serial number character #16	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 8 Sign: Char Units: NA Lower Limit: 0 Upper Limit: 255 Default: NA	Byte 16 for serial number	PC1.x, PS0500, PCC1301
43065	Configurable Input #1 Fault Level Response	Read and Write	0: None 1: Warning 2: Shutdown	Configurable Input #1 Fault Level Response	PC1.x, PS0500, PCC1301
43066	Configurable Input #2 Fault Level Response	Read and Write	0: None 1: Warning 2: Shutdown	Configurable Input #2 Fault Level Response	PC1.x, PS0500, PCC1301
43067	Configurable Customer Output 1	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: 1540	Configurable Customer Output 1; the default setting for FC 1540 which is a COMMON WARNING fault	PC1.x, PS0500, PCC1301
43068	Configurable Customer Output 2	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: 1541	Configurable Customer Output 2; the default setting for FC 1541 which is a COMMON SHUTDOWN fault	PC1.x, PS0500, PCC1301

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Addr.	Parameter	Access	Specifications	Description	Control
43069	Voltage Regulator Calibration 60Hz	Read and Write	Multiplier: 0.0001 Offset: 0 Size(Bits): 16 Sign: U Units: % Lower Limit: 9000 Upper Limit: 11000 Default: 10000	Make actual voltage match nominals 60 Hz when the set point = 100% PCC1301 Modbus mapping for parameters have different limits as compared to PC1.x; see **Table 3 on page 42**.	PC1.x
43070	Voltage Regulator Calibration 50Hz	Read and Write	Multiplier: 0.0001 Offset: 0 Size(Bits): 16 Sign: U Units: % Lower Limit: 9000 Upper Limit: 11000 Default: 10000	Make actual voltage match nominals 50 Hz when the set point = 100% PCC1301 Modbus mapping for parameters have different limits as compared to PC1.x; see **Table 3 on page 42**.	PC1.x
43071	Frequency Adjust Trim	Read and Write	Multiplier: 0.1 Offset: 0 Size(Bits): 16 Sign: S Units: Hz Lower Limit: -600 Upper Limit: 600 Default: 0		PC1.x, PCC1301
43072	Alternator L1-N 60Hz Voltage Display Adjust	Read and Write	Multiplier: 0.0001 Offset: 0 Size(Bits): 16 Sign: U Units: % Lower Limit: 9000* Upper Limit: 11000* Default: 10000	60 Hz line 1 to neutral metering voltage calibration PCC1301 Modbus mapping for parameters have different limits as compared to PC1.x and PS0500; see **Table 3 on page 42**. ***Note:** For the PS0500 control, SW versions lower than 6.03, the range is 6000 to 14000. For the PS0500 control, SW versions higher than 6.03, the range is 9000 to 11000.	PC1.x, PS0500

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Addr.	Parameter	Access	Specifications	Description	Control
43073	Alternator L2-N 60Hz Voltage Display Adjust	Read and Write	Multiplier: 0.0001 Offset: 0 Size(Bits): 16 Sign: U Units: % Lower Limit: 9000* Upper Limit: 11000* Default: 10000	60 Hz line 2 to neutral metering voltage calibration ***Note:** For the PS0500 control, SW versions lower than 6.03, the range is 6000 to 14000. For the PS0500 control, SW versions higher than 6.03, the range is 9000 to 11000.	PC1.x, PS0500
43074	Alternator L3-N 60Hz Voltage Display Adjust	Read and Write	Multiplier: 0.0001 Offset: 0 Size(Bits): 16 Sign: U Units: % Lower Limit: 9000* Upper Limit: 11000* Default: 10000	60 Hz line 3 to neutral metering voltage calibration ***Note:** For the PS0500 control, SW versions lower than 6.03, the range is 6000 to 14000. For the PS0500 control, SW versions higher than 6.03, the range is 9000 to 11000.	PC1.x, PS0500
43075	Alternator L1-N 50Hz Voltage Display Adjust	Read and Write	Multiplier: 0.0001 Offset: 0 Size(Bits): 16 Sign: U Units: % Lower Limit: 9000* Upper Limit: 11000* Default: 10000	50 Hz line 1 to neutral metering voltage calibration ***Note:** For the PS0500 control, SW versions lower than 6.03, the range is 6000 to 14000. For the PS0500 control, SW versions higher than 6.03, the range is 9000 to 11000.	PC1.x, PS0500
43076	Alternator L2-N 50Hz Voltage Display Adjust	Read and Write	Multiplier: 0.0001 Offset: 0 Size(Bits): 16 Sign: U Units: % Lower Limit: 9000* Upper Limit: 11000* Default: 10000	50 Hz line 2 to neutral metering voltage calibration ***Note:** For the PS0500 control, SW versions lower than 6.03, the range is 6000 to 14000. For the PS0500 control, SW versions higher than 6.03, the range is 9000 to 11000.	PC1.x, PS0500
43077	Alternator L3-N 50Hz Voltage Display Adjust	Read and Write	Multiplier: 0.0001 Offset: 0 Size(Bits): 16 Sign: U Units: % Lower Limit: 9000* Upper Limit: 11000* Default: 10000	50 Hz line 3 to neutral metering voltage calibration ***Note:** For the PS0500 control, SW versions lower than 6.03, the range is 6000 to 14000. For the PS0500 control, SW versions higher than 6.03, the range is 9000 to 11000.	PC1.x, PS0500

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Addr.	Parameter	Access	Specifications	Description	Control
43078	Alternator L1 60Hz Current Adjust	Read and Write	Multiplier: 0.001 Offset: 0 Size(Bits): 16 Sign: U Units: % Lower Limit: 8000 Upper Limit: 12000* Default: 1000	60 Hz line 1 metering current calibration	PC1.x, PS0500, PCC1301
43079	Alternator L2 60Hz Current Adjust	Read and Write	Multiplier: 0.001 Offset: 0 Size(Bits): 16 Sign: U Units: % Lower Limit: 8000 Upper Limit: 12000* Default: 1000	60 Hz line 2 metering current calibration	PC1.x, PS0500, PCC1301
43080	Alternator L3 60Hz Current Adjust	Read and Write	Multiplier: 0.0001 Offset: 0 Size(Bits): 16 Sign: U Units: NA Lower Limit: .8 Upper Limit: 1.2 Default: 1	Adjust to make the displayed current match actual values in 50 Hz applications	PC1.x
43081	Alternator L1 50Hz Current Adjust	Read and Write	Multiplier: 0.001 Offset: 0 Size(Bits): 16 Sign: U Units: % Lower Limit: 8000 Upper Limit: 12000* Default: 1000	50 Hz line 1 metering current calibration	PC1.x, PS0500, PCC1301
43082	Alternator L2 50Hz Current Adjust	Read and Write	Multiplier: 0.001 Offset: 0 Size(Bits): 16 Sign: U Units: % Lower Limit: 8000 Upper Limit: 12000* Default: 1000	50 Hz line 2 metering current calibration	PC1.x, PS0500, PCC1301

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Addr.	Parameter	Access	Specifications	Description	Control
43083	Alternator L3 50Hz Current Adjust	Read and Write	Multiplier: 0.001 Offset: 0 Size(Bits): 16 Sign: U Units: % Lower Limit: 8000 Upper Limit: 12000* Default: 1000	50 Hz line 3 metering current calibration	PC1.x, PS0500, PCC1301
43084	Annunciator #1 Switch Fault Response	Read and Write	0: None 1: Warning 2: Shutdown	Sets the generator set response to an active Annunciator #1 switch input	PC1.x, PCC1301
43085	Annunciator #2 Switch Fault Response	Read and Write	0: None 1: Warning 2: Shutdown	Sets the generator set response to an active Annunciator #2 switch input	PC1.x, PCC1301
43086	Annunciator #3 Switch Fault Response	Read and Write	0: None 1: Warning 2: Shutdown	Sets the generator set response to an active Annunciator #3 switch input	PC1.x, PCC1301
43087	Annunciator Output 1 Event	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: 0	Annunciator configurable output #1 event code number	PC1.x, PCC1301
43088	Annunciator Output 2 Event	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: 0	Annunciator configurable output #2 event code number	PC1.x, PCC1301
43089	Annunciator Output 3 Event	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: 0	Annunciator configurable output #3 event code number	PC1.x, PCC1301

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Addr.	Parameter	Access	Specifications	Description	Control
43090	Annunciator Output 4 Event	Read and Write	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: 0	Annunciator configurable output #4 event code number	PC1.x, PCC1301
43344	Clock Date	Read Write	Multiplier : 1 Offset: 0 Size (Bits) : 8 Sign: U Units: NA Lower Limit: 1 Upper Limit: 31 Default: NA	Use to set or read the current date	PC 1.x
43345	Clock Hours	Read Write	Multiplier : 1 Offset: 0 Size (Bits) : 8 Sign: U Units: hours Lower Limit: 1 Upper Limit: 12 Default: 0	Use to set or read the current hour	PC 1.x
43346	Clock Minutes	Read Write	Multiplier : 1 Offset: 0 Size (Bits) : 8 Sign: U Units: minutes Lower Limit: 0 Upper Limit: 59 Default: 0	Use to set or read the current minute	PC 1.x
43347	Clock Mode	Read Write	0. NORMAL_MODE 1. SET_MODE 2. SAVE_CLOCK_MODE	Allows the user to go into Set Mode for Clock setup and in Clock Save Mode	PC 1.x
43348	Clock Month	Read Write	Multiplier : 1 Offset: 0 Size (Bits) : 8 Sign: U Units: NA Lower Limit: 1 Upper Limit: 12 Default: NA	Use to set or read the current month	PC 1.x

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Addr.	Parameter	Access	Specifications	Description	Control
43349	Clock Seconds	Read Only	Multiplier : 1 Offset: 0 Size (Bits) : 8 Sign: U Units: seconds Lower Limit: NA Upper Limit: NA Default: 0	Use to set or read the current second	PC 1.x
43350	Clock Year	Read Write	Multiplier : 1 Offset: 0 Size (Bits) : 8 Sign: U Units: NA Lower Limit: 0 Upper Limit: 99 Default: NA	Use to set or read the current year	PC 1.x
43351	Daylight Savings End Hour	Read Write	Multiplier : 1 Offset: 0 Size (Bits) : 8 Sign: U Units: NA Lower Limit: 0 Upper Limit: 23 Default: 2	Use to set the hour of the day when Daylight Savings Time ends	PC 1.x
43352	Daylight Savings End Month	Read Write	Multiplier : 1 Offset: 0 Size (Bits) : 8 Sign: U Units: NA Lower Limit: 1 Upper Limit: 12 Default: 10	Use to set the month when Daylight Savings Time ends	PC 1.x
43353	Daylight Savings End Week Occ Month	Read Write	0. Default 1.FIRST_OCCURRENCE 2. SECOND_OCCURRENCE 3. THIRD_OCCURRENCE 4. FOURTH_OCCURRENCE 5. FIFTH_OCCURRENCE	Use to set the end week occurrence in a Daylight Savings Time end month	PC 1.x

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Addr.	Parameter	Access	Specifications	Description	Control
43354	Daylight Savings Start Day	Read Write	0. Sunday 1. Monday 2. Tuesday 3. Wednesday 4. Thursday 5. Friday 6. Saturday	Use to set the day of the week when Daylight Savings Time starts	PC 1.x
43355	Daylight Savings Start Hour	Read Write	Multiplier : 1 Offset: 0 Size (Bits) : 8 Sign: U Units: NA Lower Limit: 0 Upper Limit: 23 Default: 2	Use to set the hour of the day when Daylight Savings Time starts	PC 1.x
43356	Daylight Savings Start Month	Read Write	Multiplier : 1 Offset: 0 Size (Bits) : 8 Sign: U Units: NA Lower Limit: 1 Upper Limit: 12 Default: 4	Use to set the month when Daylight Savings Time starts	PC 1.x
43357	Daylight Savings Start Week Occ Month	Read Write	0. Default 1.FIRST_OCCURRENCE 2. SECOND_OCCURRENCE 3. THIRD_OCCURRENCE 4. FOURTH_OCCURRENCE 5. FIFTH_OCCURRENCE	Use to set the week occurrence in a Daylight Savings Time start month	PC 1.x
43358	Daylight Savings Time Adjustment	Read Write	Multiplier : 1 Offset: 0 Size (Bits) : 8 Sign: U Units: minutes Lower Limit: 0 Upper Limit: 120 Default: 60	Use to set the amount of Daylight Savings Time adjustment applied	PC 1.x
43359	Daylight Savings Time Enable	Read Write	0. Disabled 1. Enabled	Use to enable the Daylight Savings Time feature	PC 1.x
43376	Scheduler Prog Duration (Mins)	Read Write	0. PCCNet Devices 1. Group for PCCNet device interface parameters	User to set Duration in Minutes for Exercise Scheduler	PC 1.x

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Addr.	Parameter	Access	Specifications	Description	Control
43377	Scheduler Prog x Enable	Read Write	0. Disabled 1. Enabled	Trim - user to edit for running the Scheduler Exercise Program	PC 1.x
43378	Scheduler Prog Repeat Interval	Read Write	0. Weekly 1. Bi-Monthly 2. Monthly 3. Quarterly 4. Semi-Annual	User to select the Exercise Scheduler Interval	PC 1.x
43380	Scheduler Prog Start Day	Read Write	0. Sunday 1. Monday 2. Tuesday 3. Wednesday 4. Thursday 5. Friday 6. Saturday	User can set the Start Day of the week, month for Exercise Scheduler	PC 1.x
43381	Scheduler Prog Start Hour	Read Write	Multiplier : 1 Offset: 0 Size (Bits) : 8 Sign: U Units: NA Lower Limit: 1 Upper Limit: 12 Default: 2	User to set Start Hour for Exercise Scheduler	PC 1.x
43382	Scheduler Prog Start Minute	Read Write	Multiplier : 1 Offset: 0 Size (Bits) : 8 Sign: U Units: NA Lower Limit: 0 Upper Limit: 59 Default: 1	User to set Start Minute for Exercise Scheduler	PC 1.x
43383	Daylight Savings End Day	Read Write	0. Sunday 1. Monday 2. Tuesday 3. Wednesday 4. Thursday 5. Friday 6. Saturday	Use to set the day of the week when Daylight Savings Time ends	PC 1.x

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Addr.	Parameter	Access	Specifications	Description	Control
43719	AUX101 Alternator Temp	Read Only	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: 0	AUX101 input as Alternator Temp	PCC1301
43722	AUX101 Ambient Temp	Read Only	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: 0	AUX101 input as Ambient Temp	PCC1301
43723	AUX101 input 1 Voltage	Read Only	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: 0	AUX101 input 1 voltage	PCC1301
43724	AUX101 input 2 Voltage	Read Only	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: 0	AUX101 input 2 voltage	PCC1301
43725	AUX101 input 3 Voltage	Read Only	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: 0	AUX101 input 3 voltage	PCC1301

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Addr.	Parameter	Access	Specifications	Description	Control
43726	AUX101 input 4 Voltage	Read Only	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: 0	AUX101 input 4 voltage	PCC1301
43727	AUX101 input 5 Voltage	Read Only	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: 0	AUX101 input 5 voltage	PCC1301
43728	AUX101 input 6 Voltage	Read Only	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: 0	AUX101 input 6 voltage	PCC1301
43729	AUX101 input 67 Voltage	Read Only	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: 0	AUX101 input 67voltage	PCC1301
43730	AUX101 input 8 Voltage	Read Only	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: 0	AUX101 input 8 voltage	PCC1301

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Addr.	Parameter	Access	Specifications	Description	Control
43741	AUX101 Exhaust Temp	Read Only	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: 0	AUX101 input as Exhaust Temp	PCC1301
43745	AUX101 Fuel Level	Read Only	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: 0	AUX101 input as Fuel Level	PCC1301
43750	AUX101 Intake Manifold Temp	Read Only	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: 0	AUX101 input as Intake Manifold Temp	PCC1301
43757	AUX101 Oil Temp	Read Only	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: 0	AUX101 input as Oil Temp	PCC1301
43793	Configurable Input #1 Status	Read Only	0. Inactive 1. Active	Measured state of hardware input	PC 1.x
43794	Configurable Input #2 Status	Read Only	0. Inactive 1. Active	Measured state of hardware input	PC 1.x
43795	Configurable Input #3 Status	Read Only	0. Inactive 1. Active	Measured state of hardware input	PC 1.x

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Addr.	Parameter	Access	Specifications	Description	Control
43822	Re-Transfer Delay	Read Write	Multiplier : 1 Offset: 0 Size (Bits) : 8 Sign: U Units: NA Lower Limit: 0 Upper Limit: 59 Default: 1	This is the delay after the utility has returned and before the transfer switch is moved back to the utility side position.	PC 1.x
43825	Transfer Delay	Read Write	Multiplier : 1 Offset: 0 Size (Bits) : 16 Sign: U Units: seconds Lower Limit: 60 Upper Limit: 600 Default: 300	This is the delay after the generator set is started before the transfer switch is moved to the generator set side position.	PC 1.x
43905	Network Speed Adjust Command	Read and Write	0: Normal 1: Active	Used to command a fixed 0.5 Hz increase in the speed setpoint.	PC1.x

TABLE 3. PCC1301 MODBUS MAPPING FOR PARAMETERS HAVING DIFFERENT LIMITS AS COMPARED TO PC1.X AND PS05000

Addr.	Parameter	Access	Specifications	Description	Control
43012	Battle Short Switch Input	Read and Write	0: None, 1: Configurable Input #1, 2: Configurable Input #2, 3: Configurable Input #3	Switch input for Battle Short	PCC1301 ONLY
43069	Voltage Regulator Calibration 60Hz	Read and Write	Multiplier: 0.0001 Offset: 0 Size(Bits): 16 Sign: U Units: % Lower Limit: 6000 Upper Limit: 14000 Default: 10000	Make actual voltage match nominals 60 Hz when the set point = 100%	PCC1301 ONLY
43070	Voltage Regulator Calibration 50Hz	Read and Write	Multiplier: 0.0001 Offset: 0 Size(Bits): 16 Sign: U Units: % Lower Limit: 6000 Upper Limit: 14000 Default: 10000	Make actual voltage match nominals 50 Hz when the set point = 100%	PCC1301 ONLY

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Addr.	Parameter	Access	Specifications	Description	Control
43072	Alternator L1-N 60Hz Voltage Display Adjust	Read and Write	Multiplier: 0.0001 Offset: 0 Size(Bits): 16 Sign: U Units: % Lower Limit: 6000 Upper Limit: 14000 Default: 10000	60 Hz line 1 to neutral metering voltage calibration	PCC1301 ONLY
43073	Alternator L2-N 60Hz Voltage Display Adjust	Read and Write	Multiplier: 0.0001 Offset: 0 Size(Bits): 16 Sign: U Units: % Lower Limit: 6000 Upper Limit: 14000 Default: 10000	60 Hz line 2 to neutral metering voltage calibration	PCC1301 ONLY
43074	Alternator L3-N 60Hz Voltage Display Adjust	Read and Write	Multiplier: 0.0001 Offset: 0 Size(Bits): 16 Sign: U Units: % Lower Limit: 6000 Upper Limit: 14000 Default: 10000	60 Hz line 3 to neutral metering voltage calibration	PCC1301 ONLY
43075	Alternator L1-N 50Hz Voltage Display Adjust	Read and Write	Multiplier: 0.0001 Offset: 0 Size(Bits): 16 Sign: U Units: % Lower Limit: 6000 Upper Limit: 14000 Default: 10000	50 Hz line 1 to neutral metering voltage calibration	PCC1301 ONLY
43076	Alternator L2-N 50Hz Voltage Display Adjust	Read and Write	Multiplier: 0.0001 Offset: 0 Size(Bits): 16 Sign: U Units: % Lower Limit: 6000 Upper Limit: 14000 Default: 10000	50 Hz line 2 to neutral metering voltage calibration	PCC1301 ONLY

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Addr.	Parameter	Access	Specifications	Description	Control
43077	Alternator L3-N 50Hz Voltage Display Adjust	Read and Write	Multiplier: 0.0001 Offset: 0 Size(Bits): 16 Sign: U Units: % Lower Limit: 6000 Upper Limit: 14000 Default: 10000	50 Hz line 3 to neutral metering voltage calibration	PCC1301 ONLY
47031	Auto Mains Failure Enable	Read Write	0. At Utility 1. At Genset 2. Unknown Position 3. Not Available	Trim to enable/disable ATS functionality	PC 1.x
47032	Transition to Genset Delay	Read Write	Multiplier : 1 Offset: 0 Size (Bits) : 8 Sign: U Units: seconds Lower Limit: 1 Upper Limit: 10 Default: 3	This is the delay after the transfer switch is commanded to move to generator side awaiting for the feedback.	PC 1.x
47033	Re-Transition to Utility Delay	Read Write	Multiplier : 1 Offset: 0 Size (Bits) : 8 Sign: U Units: seconds Lower Limit: 1 Upper Limit: 10 Default: 3	This is the delay after the transfer switch is commanded to move to utility side awaiting for the feedback.	PC 1.x
47034	Utility Fail To Close Delay	Read Write	Multiplier : 1 Offset: 0 Size (Bits) : 8 Sign: U Units: seconds Lower Limit: 1 Upper Limit: 10 Default: 3	This is the delay after the transfer switch is moved to utility side, awaiting for the fault to become active or inactive.	PC 1.x
47035	Genset Fail To Close Delay	Read Write	Multiplier : 1 Offset: 0 Size (Bits) : 8 Sign: U Units: seconds Lower Limit: 1 Upper Limit: 10 Default: 5	This is the delay after the transfer switch is moved to generator set side, awaiting for the fault to become active or inactive.	PC 1.x

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Addr.	Parameter	Access	Specifications	Description	Control
47036	Transfer Switch Signal Unknown Warning Delay	Read Write	Multiplier : 1 Offset: 0 Size (Bits) : 8 Sign: U Units: seconds Lower Limit: 5 Upper Limit: 10 Default: 5	This is the delay after the transfer switch is moved to any of the sides, awaiting for the fault to become active or inactive.	PC 1.x
47037	Transfer Switch Feedback Status	Read Only	0. At Utility 1. At Genset 2. Unknown Position 3. Not Available	This is the status of the transfer switch depending upon the feedback received.	PC 1.x
47038	Transfer Retransfer Status	Read Only	0. Not Available 1. OFF 2. Transfer Start 3. Retransfer Start 4. Transfer Progress 5. Retransfer Progress 6. Transfer Complete 7. Retransfer Complete 8. Transfer Failed 9. Retransfer Failed	This is the status of the transfer and retransfer process.	PC 1.x
47039	Transfer Switch	Read Only	0. At Utility 1. At Genset 2. Unknown Position 3. Not Available	This is the status of the transfer switch depending upon the fault.	PC 1.x
47040	Clock Cycle	Read Write	0. AM 1. PM	Used to set AM_PM Cycle or read the same	PC 1.x
47041	Scheduler Prog Start Period	Read Write	0. AM 1. PM	User can set the AM/PM period for the Scheduler	PC 1.x
47042	Transfer Switch Feedback Enable	Read Write	0. Disable 1. Enable	Trim to enable transfer switch feedback logic	PC 1.x
47043	Fuel System	Read Write	0. Diesel 1. Gas	Type of fuel and ignition system used by the generator set	PC 1.x
47044	Gas Fuel Type	Read Write	0. Natural Gas 1. Propane 2. Dual	Trim to set the type of gaseous fuel	PC 1.x
47045	Low Fuel Pressure Switch	Read Only	0.Inactive 1.Active	Displays inactive/active status of the switch	PC 1.x

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Addr.	Parameter	Access	Specifications	Description	Control
47046	Low Fuel Pressure Switch Active State Selection	Read Write	0. Active Closed 1. Active Open	State selection of the low fuel pressure switch	PC 1.x
47047	LTA Temperature	Read Only	Multiplier : 1 Offset: 0 Size (Bits) : 16 Sign: S Units: DegF Lower Limit: NA Upper Limit: NA Default: NA	The processed value of the LTA Temperature sensor for the System IO Module	PC 1.x
47048	Intake Manifold Over Pressure (IMOP) Enable	Read Write	0. Disabled 1. Enabled	Trim to enable the detection of Intake Manifold Backfire condition	PC 1.x
47049	Intake Manifold Temperature Source	Read Write	0. SPN 105 1. SPN 52	Source for Intake Manifold Temperature; SPN 105 Default Source and SPN 52 when the IMOP is enabled	PC 1.x
47050	Intake Manifold Temp Rate of Change Threshold	Read Write	Multiplier : 0.1 Offset: 0 Size (Bits) : 8 Sign: U Units: DegF/sec Lower Limit: 2 Upper Limit: 10 Default: 5	Threshold to decide the Intake Manifold Backfire condition; the value entered is for degF/secs; degF/2secs is obtained by a scalar of 2 in the PCC software	PC 1.x
47051	Annunciator Output 1 Status	Read Only	0. Driver Off 1.Driver On	State of output as seen by the Annunciator	PC 1.x
47052	Annunciator Output 1 Status	Read Only	0. Driver Off 1.Driver On	State of output as seen by the Annunciator	PC 1.x
47053	Annunciator Output 3 Status	Read Only	0. Driver Off 1.Driver On	State of output as seen by the Annunciator	PC 1.x
47054	Annunciator Output 4 Status	Read Only	0. Driver Off 1.Driver On	State of output as seen by the Annunciator	PC 1.x

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Addr.	Parameter	Access	Specifications	Description	Control
47055	KTA Fuel Differential Pressure High Side	Read Only	Multiplier : 0.1 Offset: 0 Size (Bits) : 16 Sign: S Units: PSI Lower Limit: NA Upper Limit: NA Default: NA	The D.F.P for the KTA engine's high side sensor	PC 1.x
47056	KTA Fuel Differential Pressure Low Side	Read Only	Multiplier : 0.1 Offset: 0 Size (Bits) : 16 Sign: S Units: PSI Lower Limit: NA Upper Limit: NA Default: NA	The D.F.P for the KTA engine's low side sensor	PC 1.x
47057	Air Shutoff Valve Voltage	Read Only	Multiplier : 0.01 Offset: 0 Size (Bits) : 16 Sign: S Units: Vdc Lower Limit: NA Upper Limit: NA Default: NA	The Air Shutoff Valve Voltage configured for SID sender input 7 or 8 (enabled only for oil and gas features)	PC 1.x
47058	Percent Dirty Fuel Filter	Read Only	Multiplier : 0.1 Offset: 0 Size (Bits) : 16 Sign: U Units: % Lower Limit: NA Upper Limit: NA Default: NA	The calculated level at which the fuel filter is clogged	PC 1.x
47059	QSK Differential Pressure Low Side	Read Only	Multiplier : 0.1 Offset: 0 Size (Bits) : 16 Sign: S Units: PSI Lower Limit: NA Upper Limit: NA Default: NA	The fuel pressure measure on the QSK engine's low side of the fuel filter	PC 1.x

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Addr.	Parameter	Access	Specifications	Description	Control
47060	Main Relay Status	Read Only	Multiplier : 1 Offset: 0 Size (Bits) : 8 Sign: U Units: NA Lower Limit: NA Upper Limit: NA Default: NA	System IO Main Relay Status	PC 1.x
47061	Expansion Relay Status	Read Only	Multiplier : 1 Offset: 0 Size (Bits) : 8 Sign: U Units: NA Lower Limit: NA Upper Limit: NA Default: NA	System IO Expansion Relay Status	PC 1.x

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4 PS0600 Modbus Register Map

4.1 General Instructions

4.1.1 Modbus RTU Supported Functions

The control supports the Modbus function codes described below. The control shall respond to any function code other than those listed by sending an exception response of Illegal Function (01).

Read Holding Registers (Function Code 03)

The control provides the ability to read 1 to 125 consecutive holding registers.

The control shall respond to any read request to address not defined in the control by returning 0xFFFF data for that address.

The control will return an Illegal Address exception code 02 if any of the following conditions occur:

- The first register in the holding register read request is not defined on the control.
- The first register in the holding register read request does not allow for the full representation of a numeric value. This would occur if the first register in the read request is not mapped to the most significant 2 bytes of a binary value parameter.
- The last register in the holding register read request does not allow for the full representation of a numeric value. This would occur if the last register in the read request is not mapped to the least significant 2 bytes of a binary value parameter.

Read requests for string type parameters where not every register associated with the string is in the request shall return only the requested portion of the string.

Read Input Registers (Function Code 04)

The control provides the ability to read 1 to 125 consecutive input registers.

The control shall respond to any read request to address not defined in the control by returning 0xFFFF data for that address.

The control will return an Illegal Address exception code 02 if any of the following conditions occur:

- The first register in the input register read request is not defined on the control.
- The first register in the input register read request does not allow for the full representation of a numeric value. This would occur if the first register in the read request is not mapped to the most significant 2 bytes of a parameter.
- The last register in the input register read request does not allow for the full representation of a numeric value. This would occur if the last register in the read request is not mapped to the least significant 2 bytes of a parameter.

The Input Registers support by each port on the control are listed in the Read Input Registers Table below.

Write Single Holding Register (Function Code 06)

The control will return an Illegal Address exception code 02 if any of the following conditions occur:

- The register in the holding register write request is not defined on the control.
- The register in the holding register write request does not allow for the full writing of a numeric value. This would occur if the register is part of a numeric parameter that requires more than one address to represent.

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- If writing to a string values, the register in the holding register write request is not the first register of that string.

Write requests for string type parameters where not every register associated with the string is in the request shall write only the requested portion of the string, null terminating the remainder of the string.

Write requests to this control may return an Illegal Data Value exception code 03. This means that the requested write failed to occur.

Write Multiple Holding Registers (Function Code 16)

The control provides the ability to write to 1 to 123 consecutive holding registers.

The control will return an Illegal Address exception code 02 if any of the following conditions occur:

- The first register in the holding register write request is not defined on the control.
- The first register in the holding register write request does not allow for the full writing of a numeric value. This would occur if the first register in the write request is not mapped to the most significant 2 bytes of a parameter.
- The last register in the holding register write request does not allow for the full writing of a numeric value. This would occur if the last register in the write request is not mapped to the least significant 2 bytes of a parameter.
- If string values are in the write request, the first register for any string is not within the requested register range.

Write requests for string type parameters where not every register associated with the string is in the request shall write only the requested portion of the string, null terminating the remainder of the string.

Write requests to this control may return an Illegal Data Value exception code 03. This means that some or all of the requested writes failed to occur. It is the responsibility of the requestor to read the data again to determine which parameters were not written to their requested new values and to respond as necessary.

4.1.2 Modbus RTU Serial Port Configuration Options

The following configuration options shall be available for each port the control that supports the Modbus RTU protocol. See the controller Modbus register map for individual register assignments for these parameters on any given port.

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TABLE 4. CONFIGURATION OPTIONS

Parameter Name	Description	Specification
Modbus Node Address	Sets this ports node address.	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 1 Upper Limit: 247
Modbus Baud Rate	Sets this ports baud rate.	0: 2400 1: 4800 2: 9600 3: 19200 4: 28800 5: 38400 6: 57600 7: 115200
Modbus Parity and Stop Bit Selection	Sets this ports parity and stop bit communications settings.	0: No Parity (1 Stop) 1: No Parity (2 Stop) 2: Even Parity (1 Stop) 3: Odd Parity (1 Stop)
Modbus Failure Time Delay	Sets the time delay for the detection of the lack of Modbus packets on the communications bus.	Multiplier: 1 Offset: 0 Size (bits): 8 Sign: U Unit: seconds Lower Limit: 1 Upper Limit: 60

NOTICE

Changes to the Modbus Baud Rate and the Modbus Parity and Stop Bit Selection parameters will be immediately reflected on the serial port being configured. Any Modbus commands in progress on that port in the old communications settings will fail until the Modbus master also updates its communications settings to match those of the slave.

Modbus RTU Extended Status information

The control represents abnormal states in the data by using the five most positive values of the data to convey that these abnormal states exist. The states will only be applicable to numeric parameters with the following data types:

- UINT8, INT8, UINT16, INT16, UINT32, INT32, UINT64, INT64 (signed and unsigned 8-bit through 64-bit parameters)

Note that enumerated parameters and parameters with a floating point data type will not follow these abnormal state representation methods.

The following abnormal states are supported:

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Supported Abnormal States

Abnormal State	Value Description	Value Examples		Examples of Failures
		Unsigned 2-Byte Integer Value	Signed 2-Byte Integer Value	
Hardware/ Component Failure	This data shall represented as 4 less than the highest positive value for that parameter.	65531	32763	An on controller hardware/component failure that provides data like voltage, current and power
Network Failed Data	This data shall be represented as 3 less than the highest positive value for that parameter.	65532	32764	Data that comes from a network that has failed such as sensor data coming from I/O modules on a PCCnet or CAN network
Out of Range Low	This data shall be represented as 2 less than the highest positive value for that parameter.	65533	32765	Data that has been determined to be out of range LOW or out of range (when there is no distinction between out of range high and out of range low) due to an open sensor
Out of Range High/Out of Range	This data shall be represented as 1 less than the highest positive value for that parameter.	65534	32766	Data that has been determined to be out of range HIGH or out of range (when there is no distinction between out of range high and out of range low) due to an open sensor
Unsupported (Not Available) Data	This data shall be represented as the highest positive value for that parameter.	65535	32767	Parameters which are not available due to the sensor not being installed or not enabled in the controller's configuration

Working with 8-Bit Data Types

When reading a register that contains information in an 8 bit data type, the data will be put the least significant byte of the register. If the data type is unsigned, the upper byte will be populated with zeros. If the data type is signed, the upper byte will be sign extended with the sign bit value of the data byte.

When writing a register that contains information that is expected to be in an 8 bit data type, the control will expect the data to be in the least significant byte of the register and ignore the upper byte.

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Representation of Multi-Register Parameters

- For numeric parameters requiring more than one Register to represent the data, the Register Address listed in the Controllers Modbus Register Map represents the most significant 2 bytes of the data. The additional bytes of the data will always be provided in Register Address + 1, Register Address + 2, and Register Address +3 as appropriate.
- For string parameters, the first two characters in the string will be mapped to the Register Address listed in the Controllers Modbus Register Map. Additional characters will be provided in the following registers. For example, for the string "String1" at address 400031, the characters will be mapped the following registers:

  400031: "St" 400032: "ri" 400033: "ng" 400034: "1_"

Modbus RTU Slave Protocol Support for Read Input Registers

Each port instance of Modbus RTU Slave Protocol shall support interface to the following read input registers through function code 04. These are the only input registers supported by this control.

The following table applies for each instance of the Modbus RTU protocol on any control and will return the data from the port being read only.

TABLE 5. READ INPUT REGISTERS TABLE

Register Address	Name	Description	Data Type	Size (Registers)	Scaling Factor
30001	Bus Message Count	This parameter contains the quantity of messages that this port has detected on the communications system since its last restart, clear counters operation, or power-up.	uint32	2	1
30003	Bus CRC Error Count	This parameter stores quantity of CRC errors encountered by this port since its last restart, clear counters operation, or power-up.	uint32	2	1
30005	Bus Exception Error Count	This parameter contains the quantity of exception responses returned by this port since its last restart, clear counters operation, or power-up.	uint32	2	1
30007	Server No Response Count	This parameter contains the quantity of messages addressed to this port for which it has returned no response since its last restart, clear counters operation, or power-up,	uint32	2	1

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Register Address	Name	Description	Data Type	Size (Registers)	Scaling Factor
30009	Server Message Count	The parameter contains the quantity of messages addressed to this port that it has processed since its last restart, clear counters operation, or power-up.	uint32	2	1
30011	Modbus Time Stamp at Counter Reset - Year	This parameter holds the year of the time stamp record when counters were cleared last time.	uint8	1	1
30012	Modbus Time Stamp at Counter Reset - Month	This parameter holds the month of the time stamp record when counters were cleared last time.	uint8	1	1
30013	Modbus Time Stamp at Counter Reset - Date	This parameter holds the day of the month of the time stamp record when counters were cleared last time.	uint8	1	1
30014	Modbus Time Stamp at Counter Reset – Hour	This parameter holds the hour of the time stamp record when counters were cleared last time.	uint8	1	1
30015	Modbus Time Stamp at Counter Reset - Minute	This parameter holds the minute of the time stamp record when counters were cleared last time.	uint8	1	1
30016	Modbus Time Stamp at Counter Reset - Seconds	This parameter holds the seconds of the time stamp record when counters were cleared last time.	uint8	1	1
30017	Modbus Time Since Last Counter Reset	This parameter maintains the time in seconds since the last reset of Modbus diagnostic counters.	uint32	2	1

4.2 PS0600 Modbus Register Map

The controller contains data that can be read by a master device communicating via Modbus RTU protocol on a two-wire RS485 multi-drop bus. The Cummins control is a slave unit.

For more information about the Modbus protocol, refer to *Modbus Application Protocol V1.1b3* and *Modbus Serial Line Implementation Guide V1.02*, which are both available at www.modbus.org.

See also the NFPA 110 Bitmap (PS0600) section.

PS0600 RS485 Pins

- A (+): TB15-3

- B (-): TB15-4
- Common: TB15-1

TABLE 6. ACCESS LEVELS

Level	Description
Read Only	This defines the specific parameter as a read-only type.
Guest	This defines the specific parameter as read or write type.
Technician	An authorized service person must set the Modbus communication port access level parameter to "Technician" through the service tool to enable writing.

NOTICE

If an address or bit is not listed in the table below, it has not been implemented.

NOTICE

The master device can read 1-16 contiguous registers, write 1-16 contiguous registers, or read diagnostic counters.

NOTICE

To connect with the Modbus tool, set the TB15 Protocol selection parameter to “Modbus” via a service tool or LCD, which will immediately disconnect the PC tool. To reconnect the PC tool, set the TB15 protocol selection to “Mon through Display configuration”, or enter "0" in the specific TB15 protocol selection Modbus resistor address.

NOTICE

Earlier versions of this software may not support all of the Modbus registers in the following table. If a particular register is not available in your installation, it is possible that the Modbus connection is working but the controller software does not support that particular register.

TABLE 7. PS0600 MODBUS REGISTER MAP

Addr	Parameter	Access	Specifications	Description	Control
400009	Application Device Type	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: NA Lower Limit: 0 Upper Limit: 65535	The common device type identifier parameter for all PGBASE applications	PS0600
400010	Control Switch Position	Read Only	0: Off 1: Auto 2: Manual	Current position of the generator set switch panel Off-Run-Auto switch as seen by the generator set control	PS0600

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Addr	Parameter	Access	Specifications	Description	Control
400011	Genset State	Read Only	0: Off 1: Stop 2: Preheat 3: Precrank 4: Crank 5: Starter Disconnect 6: PreRamp 7: Ramp 8: Running 9: Fault Shutdown 10: Prerun Setup 11: Runtime Setup 12: Factory Test 13: Waiting For Powerdown	Provides the state in which the generator set is currently present	PS0600
400012	Current Fault	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: NA Lower Limit: 0 Upper Limit: 65535	Fault number of active fault; clears when all faults are Inactive	PS0600
400013	Current Fault Severity	Read Only	0: None 1: Warning 2: Shutdown	Displays fault severity of recently occurred fault	PS0600
400016	NFPA 110 Fault Register	Read Only	Multiplier: 1 Size (Bits): 32 Data Type: uint32 Unit: NA Lower Limit: 0 Upper Limit: 4294967295	32-bit number to represent the status of the NFPA 110 fault register; refer to the NFPA 110 Bitmap (PS0600) section	PS0600
400018	Genset L1-N RMS Voltage	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: V Lower Limit: 0 Upper Limit: 45000	RMS Voltage between Line 1 and Neutral	PS0600
400019	Genset L2-N RMS Voltage	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: V Lower Limit: 0 Upper Limit: 45000	RMS Voltage between Line 2 and Neutral	PS0600

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Addr	Parameter	Access	Specifications	Description	Control
400020	Genset L3-N RMS Voltage	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: V Lower Limit: 0 Upper Limit: 45000	RMS Voltage between Line 3 and Neutral	PS0600
400022	Genset L1-L2 RMS Voltage	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: V Lower Limit: 0 Upper Limit: 45000	RMS Voltage between Line 1 and Line 2	PS0600
400023	Genset L2-L3 RMS Voltage	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: V Lower Limit: 0 Upper Limit: 45000	RMS Voltage between Line 2 and Line 3	PS0600
400024	Genset L3-L1 RMS Voltage	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: V Lower Limit: 0 Upper Limit: 45000	RMS Voltage between Line 3 and Line 1	PS0600
400026	Genset L1 RMS Current	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: Amps Lower Limit: 0 Upper Limit: 10000	RMS Current through Line 1	PS0600
400027	Genset L2 RMS Current	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: Amps Lower Limit: 0 Upper Limit: 10000	RMS Current through Line 2	PS0600
400028	Genset L3 RMS Current	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: Amps Lower Limit: 0 Upper Limit: 10000	RMS Current through Line 3	PS0600

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Addr	Parameter	Access	Specifications	Description	Control
400031	Genset L1 kW	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: int16 Unit: kW Lower Limit: -10000 Upper Limit: 10000	kW value at Line 1	PS0600
400032	Genset L2 kW	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: int16 Unit: kW Lower Limit: -10000 Upper Limit: 10000	kW value at Line 2	PS0600
400033	Genset L3 kW	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: int16 Unit: kW Lower Limit: -10000 Upper Limit: 10000	kW value at Line 3	PS0600
400034	Genset Total kW	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: int16 Unit: kW Lower Limit: -10000 Upper Limit: 10000	Sum of kW values of all phases	PS0600
400035	Genset L1 kVAr	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: int16 Unit: kVAr Lower Limit: -10000 Upper Limit: 10000	kVAR value at Line 1	PS0600
400036	Genset L2 kVAr	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: int16 Unit: kVAr Lower Limit: -10000 Upper Limit: 10000	kVAR value at Line 2	PS0600
400037	Genset L3 kVAr	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: int16 Unit: kVAr Lower Limit: -10000 Upper Limit: 10000	kVAR value at Line 3	PS0600

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Addr	Parameter	Access	Specifications	Description	Control
400038	Genset Total kVAr	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: int16 Unit: kVAr Lower Limit: -10000 Upper Limit: 10000	Total kVAR Value	PS0600
400040	Genset L1 kVA	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: kVA Lower Limit: 0 Upper Limit: 10000	kVA value at Line 1	PS0600
400041	Genset L2 kVA	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: kVA Lower Limit: 0 Upper Limit: 10000	kVA value at Line 2	PS0600
400042	Genset L3 kVA	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: kVA Lower Limit: 0 Upper Limit: 10000	kVA value at Line 3	PS0600
400043	Genset Total kVA	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: kVA Lower Limit: 0 Upper Limit: 10000	Sum of kVA values of all phases	PS0600
400044	Genset Frequency	Read Only	Multiplier: 0.01 Size (Bits): 16 Data Type: uint16 Unit: Hz Lower Limit: 0 Upper Limit: 100	Measured Frequency for Meter1	PS0600
400058	Genset L1 RMS Current %	Read Only	Multiplier: 0.1 Size (Bits): 16 Data Type: uint16 Unit: % Lower Limit: 0 Upper Limit: 1000	% RMS Current value at Line 1	PS0600

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Addr	Parameter	Access	Specifications	Description	Control
400059	Genset L2 RMS Current %	Read Only	Multiplier: 0.1 Size (Bits): 16 Data Type: uint16 Unit: % Lower Limit: 0 Upper Limit: 1000	% RMS Current value at Line 2	PS0600
400060	Genset L3 RMS Current %	Read Only	Multiplier: 0.1 Size (Bits): 16 Data Type: uint16 Unit: % Lower Limit: 0 Upper Limit: 1000	% RMS Current value at Line 3	PS0600
400061	Battery Voltage	Read Only	Multiplier: 0.001 Size (Bits): 16 Data Type: uint16 Unit: V Lower Limit: 0 Upper Limit: 41	Measured battery voltage value.	PS0600
400062	Oil Pressure	Read Only	Multiplier: 0.1 Size (Bits): 16 Data Type: uint16 Unit: psi Lower Limit: 0 Upper Limit: 900	Metered Engine Oil Pressure	PS0600
400064	Coolant Temperature	Read Only	Multiplier: 0.1 Size (Bits): 16 Data Type: int16 Unit: degF Lower Limit: -40 Upper Limit: 410	Metered Engine Coolant Temperature value in DegF	PS0600
400068	Average Engine Speed	Read Only	Multiplier: 0.125 Size (Bits): 16 Data Type: uint16 Unit: rpm Lower Limit: 0 Upper Limit: 8191.875	Average Engine Speed used for controls and governing.	PS0600
400069	Start Attempts	Guest	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: NA Lower Limit: 0 Upper Limit: 65535	Number of times generator set start request has been provided over the life of unit.	PS0600

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Addr	Parameter	Access	Specifications	Description	Control
400070	Engine Running Time	Guest	Multiplier: 0.05 Size (Bits): 32 Data Type: uint32 Unit: Hours Lower Limit: 0 Upper Limit: 119304.65	Engine Running time in hours; pper limit is 13.6 years	PS0600
400118	Utility L1-N RMS Voltage	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: V Lower Limit: 0 Upper Limit: 45000	RMS Voltage between Line 1 and Neutral	PS0600
400119	Utility L2-N RMS Voltage	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: V Lower Limit: 0 Upper Limit: 45000	RMS Voltage between Line 2 and Neutral	PS0600
400120	Utility L3-N RMS Voltage	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: V Lower Limit: 0 Upper Limit: 45000	RMS Voltage between Line 3 and Neutral	PS0600
400122	Utility L1-L2 RMS Voltage	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: V Lower Limit: 0 Upper Limit: 45000	RMS Voltage between Line 1 and Line 2	PS0600
400123	Utility L2-L3 RMS Voltage	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: V Lower Limit: 0 Upper Limit: 45000	RMS Voltage between Line 2 and Line 3	PS0600
400124	Utility L3-L1 RMS Voltage	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: V Lower Limit: 0 Upper Limit: 45000	RMS Voltage between Line 3 and Line 1	PS0600

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Addr	Parameter	Access	Specifications	Description	Control
400144	Utility Frequency	Read Only	Multiplier: 0.001 Size (Bits): 32 Data Type: uint32 Unit: Hz Lower Limit: 0 Upper Limit: 100	Measured Frequency for Meter 2	PS0600
400207	Charging Alternator Voltage	Read Only	Multiplier: 0.001 Size (Bits): 16 Data Type: uint16 Unit: V Lower Limit: 0 Upper Limit: 41	Measured Charging Alternator voltage value	PS0600
400300	Modbus Remote Start	Guest	0: Inactive 1: Active	Modbus Remote Start	PS0600
400301	Modbus Fault Reset	Guest	0: Inactive 1: Active	Fault reset via Modbus	PS0600
400302	Network Shutdown Modbus Command	Guest	0: Inactive 1: Active	Displays network shutdown Modbus command as received from Modbus master; set to simulate the associated diagnostic	PS0600
400535	Diagnostic Output #1 Fault Code	Guest	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: NA Lower Limit: 0 Upper Limit: 65535	Sets the diagnostic code to activate Customer Output #1 actuator	PS0600
400536	Diagnostic Output #2 Fault Code	Guest	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: NA Lower Limit: 0 Upper Limit: 65535	Sets the diagnostic code to activate Customer Output #2 actuator	PS0600
400540	Diagnostic Output #3 Output Status	Read Only	0: IsFalse 1: IsTrue	The digital output command to the Customer Output	PS0600
400541	Diagnostic Output #4 Output Status	Read Only	0: IsFalse 1: IsTrue	The digital output command to the Customer Output	PS0600
400543	Fuel Shutoff Output Status	Read Only	0: IsFalse 1: IsTrue	The digital output command to the Fuel Shutoff actuator	PS0600
400552	Diagnostic Output #6 Output Status	Read Only	0: IsFalse 1: IsTrue	The digital output command to the Customer Output	PS0600

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Addr	Parameter	Access	Specifications	Description	Control
400553	Diagnostic Output #5 Output Status	Read Only	0: IsFalse 1: IsTrue	The digital output command to the Customer Output	PS0600
400557	Starter Output Status	Read Only	0: IsFalse 1: IsTrue	The digital output command to the Starter actuator	PS0600
400709	Application Device Type	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: NA Lower Limit: 0 Upper Limit: 65535	The common device type identifier parameter for all PGBASE applications	PS0600
401000	Metering Phase Config	Technician	0: Three Phase Wye 1: Three Phase Delta 2: Single Phase 3: Split Phase	Used to select the phase configuration and Delta/Wye configuration for AC power distribution	PS0600
401001	Customer Input #3 Fault Response	Guest	0: None 1: Warning 2: Shutdown	The fault response for Customer Input 3	PS0600
401002	Active Shutdown Fault Code Row 1	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: NA Lower Limit: 0 Upper Limit: 65535	First entry of Active shutdown fault code present in Active Shutdown Fault table	PS0600
401003	Active Shutdown Fault Code Row 2	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: NA Lower Limit: 0 Upper Limit: 65535	Second entry of Active shutdown fault code present in Active Shutdown Fault table	PS0600
401004	Active Shutdown Fault Code Row 3	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: NA Lower Limit: 0 Upper Limit: 65535	Third entry of Active shutdown fault code present in Active Shutdown Fault table	PS0600
401005	Active Shutdown Fault Code Row 4	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: NA Lower Limit: 0 Upper Limit: 65535	Fourth entry of Active shutdown fault code present in Active Shutdown Fault table	PS0600

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Addr	Parameter	Access	Specifications	Description	Control
401006	Active Shutdown Fault Code Row 5	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: NA Lower Limit: 0 Upper Limit: 65535	Fifth entry of Active shutdown fault code present in Active Shutdown Fault table	PS0600
401007	Active Shutdown Fault Code Row 6	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: NA Lower Limit: 0 Upper Limit: 65535	Sixth entry of Active shutdown fault code present in Active Shutdown Fault table	PS0600
401008	Active Shutdown Fault Code Row 7	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: NA Lower Limit: 0 Upper Limit: 65535	Seventh entry of Active shutdown fault code present in Active Shutdown Fault table	PS0600
401009	Active Shutdown Fault Code Row 8	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: NA Lower Limit: 0 Upper Limit: 65535	Eighth entry of Active shutdown fault code present in Active Shutdown Fault table	PS0600
401010	Active Shutdown Fault Code Row 9	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: NA Lower Limit: 0 Upper Limit: 65535	Ninth entry of Active shutdown fault code present in Active Shutdown Fault table	PS0600
401011	Active Shutdown Fault Code Row 10	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: NA Lower Limit: 0 Upper Limit: 65535	Tenth entry of Active shutdown fault code present in Active Shutdown Fault table	PS0600
401012	Active Warning Fault Code Row 1	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: NA Lower Limit: 0 Upper Limit: 65535	First entry of Active warning fault code present in Active warning Fault table	PS0600

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Addr	Parameter	Access	Specifications	Description	Control
401013	Active Warning Fault Code Row 2	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: NA Lower Limit: 0 Upper Limit: 65535	Second entry of Active warning fault code present in Active warning Fault table	PS0600
401014	Active Warning Fault Code Row 3	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: NA Lower Limit: 0 Upper Limit: 65535	Third entry of Active warning fault code present in Active warning Fault table	PS0600
401015	Active Warning Fault Code Row 4	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: NA Lower Limit: 0 Upper Limit: 65535	Fourth entry of Active warning fault code present in Active warning Fault table	PS0600
401016	Active Warning Fault Code Row 5	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: NA Lower Limit: 0 Upper Limit: 65535	Fifth entry of Active warning fault code present in Active warning Fault table	PS0600
401017	Active Warning Fault Code Row 6	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: NA Lower Limit: 0 Upper Limit: 65535	Sixth entry of Active warning fault code present in Active warning Fault table	PS0600
401018	Active Warning Fault Code Row 7	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: NA Lower Limit: 0 Upper Limit: 65535	Seventh entry of Active warning fault code present in Active warning Fault table	PS0600
401019	Active Warning Fault Code Row 8	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: NA Lower Limit: 0 Upper Limit: 65535	Eighth entry of Active warning fault code present in Active warning Fault table	PS0600

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Addr	Parameter	Access	Specifications	Description	Control
401020	Active Warning Fault Code Row 9	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: NA Lower Limit: 0 Upper Limit: 65535	Ninth entry of Active warning fault code present in Active warning Fault table	PS0600
401021	Active Warning Fault Code Row 10	Read Only	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: NA Lower Limit: 0 Upper Limit: 65535	Tenth entry of Active warning fault code present in Active warning Fault table	PS0600
401022	Auto Mains Failure Enable	Guest	0: Disable 1: Enable	Used to enable or disable the Auto Mains Failure Feature	PS0600
401023	Load Transfer Switch Type	Guest	0: GTEC 1: Contact Pair	Provides the type of Load Transfer Switch	PS0600
401024	AMF State	Read Only	0: AMF Not Available 1: Transfer Retransfer Off 2: Utility Pickup 3: Utility Dropout 4: Genset Starting 5: Transfer Start 6: Utility CB Opened 7: Genset CB Closed 8: Transfer Complete 9: Retransfer Start 10: Genset CB Opened 11: Utility CB Closed 12: Retransfer Complete 13: Transfer Fail 14: Retransfer Fail	Provides the state in which the Auto Mains Failure is currently present	PS0600
401025	Transfer Switch Feedback Status	Read Only	0: Not Available 1: At Utility 2: At Genset 3: Unknown Open 4: Unknown Closed	Provides value of Transfer switch feedback status	PS0600
402355	Time Delay Engine Start	Guest	Multiplier: 0.1 Size (Bits): 16 Data Type: uint16 Unit: sec Lower Limit: 0 Upper Limit: 3600	Provides the value of Time Delay Engine Start (TDES)	PS0600

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Addr	Parameter	Access	Specifications	Description	Control
402356	Time Delay Engine Cooldown	Guest	Multiplier: 0.1 Size (Bits): 16 Data Type: uint16 Unit: sec Lower Limit: 0 Upper Limit: 3600	Provides the value of Time Delay Engine Cooldown (TDEC)	PS0600
403000	Genset Nominal Voltage	Technician	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: V Lower Limit: 1 Upper Limit: 45000	Nominal voltage for the source	PS0600
403001	System Nominal Frequency	Operator	0: 50 Hz 1: 60 Hz	AC frequency of the power system	PS0600
403005	Charging Alternator Enable	Guest	0: Disable 1: Enable	Used to disable the controller related charging alternator functions	PS0600
403006	Start Time Delay	Technician	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: sec Lower Limit: 0 Upper Limit: 300	Time delay before engine cranks after remote start status becomes active	PS0600
403007	Stop Time Delay	Technician	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: sec Lower Limit: 0 Upper Limit: 600	Time delay after which the engine initiation of cooldown/stop sequence.	PS0600
403008	Crank Attempts	Guest	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: NA Lower Limit: 1 Upper Limit: 7	The trim provides number of crank attempts for each genset start request	PS0600
403009	Cycle Crank Engage Time	Guest	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: sec Lower Limit: 2 Upper Limit: 20	Sets the time to engage the starter during a single crank attempt for cycle crank mode	PS0600

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Addr	Parameter	Access	Specifications	Description	Control
403010	Cycle Crank Rest Time	Guest	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: sec Lower Limit: 7 Upper Limit: 40	Sets the starter rest time between start attempts for cycle crank mode	PS0600
403011	Battleshort Enable	Guest	0: Disable 1: Enable	Used to enable or disable the Battle short Feature.	PS0600
403012	TB16-10 Sensor Selection	Guest	0: Not Connected 1: Diagnostic Input #1 2: Battle Short	Used to set the value of TB16-10 Sensor Selection	PS0600
403033	Genset Model Number	Guest	Multiplier: 1 Size (Bits): 168 Data Type: string20 Unit: NA Lower Limit: 0 Upper Limit: 9999999999	Number indentifying the model of this generator set	PS0600
403049	Genset Serial Number	Guest	Multiplier: 1 Size (Bits): 168 Data Type: string20 Unit: NA Lower Limit: 0 Upper Limit: 9999999999	Serial number for identifying this generator set	PS0600
403065	Customer Input #1 Fault Response	Guest	0: None 1: Warning 2: Shutdown	The fault response for Customer Input 1	PS0600
403066	Customer Input #2 Fault Response	Guest	0: None 1: Warning 2: Shutdown	The fault response for Customer Input 2	PS0600
403067	Diagnostic Output #1 Output Status	Read Only	0: IsFalse 1: IsTrue	The digital output command to the Customer Output	PS0600
403068	Diagnostic Output #2 Output Status	Read Only	0: IsFalse 1: IsTrue	The digital output command to the Customer Output	PS0600
403309	Over Frequency Shutdown Enable	Guest	0: Disable 1: Enable	Enables overfrequency diagnostic	PS0600

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Addr	Parameter	Access	Specifications	Description	Control
403344	Clock Day	Technician	Multiplier: 1 Size (Bits): 8 Data Type: uint8 Unit: NA Lower Limit: 1 Upper Limit: 31	Provides the value of Clock Day	PS0600
403345	Clock Hour	Technician	Multiplier: 1 Size (Bits): 8 Data Type: uint8 Unit: NA Lower Limit: 0 Upper Limit: 23	Provides the value of Clock Hour	PS0600
403346	Clock Minute	Technician	Multiplier: 1 Size (Bits): 8 Data Type: uint8 Unit: NA Lower Limit: 0 Upper Limit: 59	Provides the value of Clock Minute	PS0600
403347	Clock Mode	Technician	0: Normal 1: Set Clock 2: Save Clock	Set the value of Clock Mode	PS0600
403348	Clock Month	Technician	Multiplier: 1 Size (Bits): 8 Data Type: uint8 Unit: NA Lower Limit: 1 Upper Limit: 12	Provides the value of Clock Month	PS0600
403349	Clock Second	Technician	Multiplier: 1 Size (Bits): 8 Data Type: uint8 Unit: NA Lower Limit: 0 Upper Limit: 59	Provides the value of Clock Second	PS0600
403350	Clock Year	Technician	Multiplier: 1 Size (Bits): 8 Data Type: uint8 Unit: NA Lower Limit: 0 Upper Limit: 99	Provides the value of Clock Year	PS0600

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Addr	Parameter	Access	Specifications	Description	Control
403351	Daylight Saving End Hour	Technician	Multiplier: 1 Size (Bits): 8 Data Type: uint8 Unit: NA Lower Limit: 0 Upper Limit: 23	Provides the value of Daylight Saving End Hour	PS0600
403352	Daylight Saving End Month	Technician	Multiplier: 1 Size (Bits): 8 Data Type: uint8 Unit: NA Lower Limit: 1 Upper Limit: 12	Provides the value of Daylight Saving End Month	PS0600
403353	Daylight Saving End Week	Technician	0: Invalid 1: First Occurrence 2: Second Occurrence 3: Third Occurrence 4: Fourth Occurrence 5: Last Occurrence	Provides the value of Daylight Saving End Week	PS0600
403354	Daylight Saving Start Day	Technician	0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday	Provides the value of Daylight Saving Start Day	PS0600
403355	Daylight Saving Start Hour	Technician	Multiplier: 1 Size (Bits): 8 Data Type: uint8 Unit: NA Lower Limit: 0 Upper Limit: 23	Provides the value of Daylight Saving Start Hour	PS0600
403356	Daylight Saving Start Month	Technician	Multiplier: 1 Size (Bits): 8 Data Type: uint8 Unit: NA Lower Limit: 1 Upper Limit: 12	Provides the value of Daylight Saving Start Month	PS0600
403357	Daylight Saving Start Week	Technician	0: Invalid 1: First Occurrence 2: Second Occurrence 3: Third Occurrence 4: Fourth Occurrence 5: Last Occurrence	Provides the value of Daylight Saving Start Week	PS0600

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Addr	Parameter	Access	Specifications	Description	Control
403358	Daylight Saving Time Adjustment	Technician	Multiplier: 1 Size (Bits): 8 Data Type: uint8 Unit: min Lower Limit: 0 Upper Limit: 120	Value of Daylight Saving Time Adjustment	PS0600
403359	Daylight Saving Time Enable	Technician	0: Disable 1: Enable	Used to Enable or Disable the value of Daylight Saving Time	PS0600
403376	Scheduler Program Duration Minute	Guest	Multiplier: 1 Size (Bits): 8 Data Type: uint8 Unit: min Lower Limit: 1 Upper Limit: 60	Used to adjust the length in minutes for the selected program.	PS0600
403377	Scheduler Program Enable	Guest	0: Disable 1: Enable	Used to enable or disable the selected program	PS0600
403378	Scheduler Program Repeat Interval	Guest	0: Weekly 1: Bi-Monthly 2: Monthly 3: Quarterly 4: Semi-Annualy	Used to adjust the repeat interval for the selected program	PS0600
403380	Scheduler Program Start Day	Guest	0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday	Used to adjust the start day of the week for the selected program	PS0600
403381	Scheduler Program Start Hour	Guest	Multiplier: 1 Size (Bits): 8 Data Type: uint8 Unit: Hours Lower Limit: 0 Upper Limit: 23	Used to adjust the start hour for the selected program	PS0600
403382	Scheduler Program Start Minute	Guest	Multiplier: 1 Size (Bits): 8 Data Type: uint8 Unit: min Lower Limit: 0 Upper Limit: 59	Used to adjust the start minute for the selected program	PS0600

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Addr	Parameter	Access	Specifications	Description	Control
403383	Daylight Saving End Day	Technician	0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday	Provides the value of Daylight Saving End Day	PS0600
403511	Low Battery Voltage Threshold	Read Only	Multiplier: 0.1 Size (Bits): 16 Data Type: uint16 Unit: V Lower Limit: 0 Upper Limit: 99	Holds low battery voltage fault threshold value based upon 12V/24V	PS0600
403550	Weak Battery Voltage Threshold	Read Only	Multiplier: 0.1 Size (Bits): 16 Data Type: uint16 Unit: V Lower Limit: 0 Upper Limit: 99	Holds weak battery voltage fault threshold value based upon 12V/24V	PS0600
403551	Weak Battery Voltage Set Time	Guest	Multiplier: 1 Size (Bits): 8 Data Type: uint8 Unit: sec Lower Limit: 1 Upper Limit: 5	The time delay until a weak battery condition is reported as a fault	PS0600
403562	Customer Input #3	Read Only	0: IsFalse 1: IsTrue	The digital status of Customer Input	PS0600
403599	Customer Input #2	Read Only	0: IsFalse 1: IsTrue	The digital status of Customer Input	PS0600
403647	Low Coolant Temperature Warning Set Time	Guest	Multiplier: 1 Size (Bits): 8 Data Type: uint8 Unit: min Lower Limit: 0 Upper Limit: 30	Sets time to set the low coolant temperature fault	PS0600
403648	Low Coolant Temperature Warning Threshold	Guest	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: degF Lower Limit: -20 Upper Limit: 130	Sets threshold for the low coolant temperature fault warning	PS0600

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Addr	Parameter	Access	Specifications	Description	Control
403651	High Battery Voltage Threshold 12V	Guest	Multiplier: 0.1 Size (Bits): 16 Data Type: uint16 Unit: V Lower Limit: 14 Upper Limit: 17	Sets 12V high battery voltage fault threshold	PS0600
403652	Low Battery Voltage Running Threshold 12V	Guest	Multiplier: 0.1 Size (Bits): 16 Data Type: uint16 Unit: V Lower Limit: 12 Upper Limit: 16	Sets 12V low battery voltage fault threshold for generator set operation while in rated mode	PS0600
403653	Low Battery Voltage Stopped Threshold 12V	Guest	Multiplier: 0.1 Size (Bits): 8 Data Type: uint8 Unit: V Lower Limit: 10 Upper Limit: 13	Sets 12V low battery voltage fault threshold for generator set operation in all modes except rated	PS0600
403654	Weak Battery Voltage Threshold 12V	Guest	Multiplier: 0.1 Size (Bits): 16 Data Type: uint16 Unit: V Lower Limit: 6 Upper Limit: 10	Sets 12V weak battery voltage fault threshold	PS0600
403655	High Battery Voltage Threshold 24V	Guest	Multiplier: 0.1 Size (Bits): 16 Data Type: uint16 Unit: V Lower Limit: 28 Upper Limit: 34	Sets 24V high battery voltage fault threshold	PS0600
403656	Low Battery Voltage Running Threshold 24V	Guest	Multiplier: 0.1 Size (Bits): 16 Data Type: uint16 Unit: V Lower Limit: 24 Upper Limit: 28	Sets 24V low battery voltage fault threshold for generator set operation while in rated mode	PS0600
403657	Low Battery Voltage Stopped Threshold 24V	Guest	Multiplier: 0.1 Size (Bits): 16 Data Type: uint16 Unit: V Lower Limit: 22 Upper Limit: 26	Sets 24V low battery voltage fault threshold for generator set operation in all modes except rated	PS0600

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Addr	Parameter	Access	Specifications	Description	Control
403658	Weak Battery Voltage Threshold 24V	Guest	Multiplier: 0.1 Size (Bits): 16 Data Type: uint16 Unit: V Lower Limit: 10 Upper Limit: 16	Sets 24V weak battery voltage fault threshold	PS0600
403662	Charging Alternator Set Time	Guest	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: sec Lower Limit: 2 Upper Limit: 300	Sets the time delay for the charging alt failure fault	PS0600
403676	High Battery Voltage Threshold	Read Only	Multiplier: 0.1 Size (Bits): 16 Data Type: uint16 Unit: V Lower Limit: 0 Upper Limit: 99	Holds high battery voltage fault threshold value based upon 12V/24V	PS0600
403688	Low Battery Voltage Set Time	Guest	Multiplier: 1 Size (Bits): 8 Data Type: uint8 Unit: sec Lower Limit: 2 Upper Limit: 60	The time delay until a low battery voltage condition is reported as a fault	PS0600
403693	Nominal Battery Voltage	Guest	0: Twelve Volt 1: TwentyFour Volt	Selects the nominal battery operating voltage	PS0600
403778	Exercise Scheduler State	Read Only	0: Inactive 1: Active 2: Abort	Indicates state of an exercise scheduler	PS0600
403793	Customer Input #1	Read Only	0: IsFalse 1: IsTrue	The digital status of Customer Input	PS0600
403821	Time Delay Programmed Transition	Operator	Multiplier: 0.1 Size (Bits): 16 Data Type: uint16 Unit: sec Lower Limit: 0 Upper Limit: 600	Provides the value of Time Delay Programmed Transition (TDPT)	PS0600

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Addr	Parameter	Access	Specifications	Description	Control
403822	Time Delay Emergency to Normal	Guest	Multiplier: 0.1 Size (Bits): 16 Data Type: uint16 Unit: sec Lower Limit: 0 Upper Limit: 1800	Provides the Value of Time Delay Emergency to Normal (TDEN)	PS0600
403825	Time Delay Normal to Emergency	Guest	Multiplier: 1 Size (Bits): 16 Data Type: uint16 Unit: sec Lower Limit: 0 Upper Limit: 300	Provides the value of Time Delay Normal to Emergency (TDNE)	PS0600
403952	Speed/Frequency Conflict Shutdown Set Time	Guest	Multiplier: 0.1 Size (Bits): 16 Data Type: uint16 Unit: sec Lower Limit: 0.5 Upper Limit: 10	Sets delay time for generating the Speed/Frequency mismatch fault	PS0600
403953	Speed/Frequency Conflict Shutdown Threshold	Guest	Multiplier: 0.1 Size (Bits): 16 Data Type: uint16 Unit: Hz Lower Limit: 0.5 Upper Limit: 20	Sets the threshold for generating the Speed/Frequency mismatch fault	PS0600
408025	TB15 Modbus Inactivity Interval	Technician	Multiplier: 1 Size (Bits): 8 Data Type: uint8 Unit: sec Lower Limit: 1 Upper Limit: 60	This trim allows for the configuring of the Modbus failure time delay for this port.	PS0600
408028	TB15 Modbus Node Address	Technician	Multiplier: 1 Size (Bits): 8 Data Type: uint8 Unit: NA Lower Limit: 1 Upper Limit: 247	This ports node address is configurable from 1 to 247.	PS0600
408029	TB15 Modbus Access Level	Administrator	0: Guest 1: Operator 2: Technician	Used to select the Access Level of this port	PS0600
408031	TB15 UART Protocol Selection	Technician	0: MON 1: Modbus	Used to select the active protocol on this port	PS0600

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Addr	Parameter	Access	Specifications	Description	Control
408033	TB15 Modbus Parity Stop Bit Selection	Technician	0: None (1 Stop) 1: None (2 Stop) 2: Even (1 Stop) 3: Odd (1 Stop)	This trim allows configuring of the parity and stop bits for this port.	PS0600
408035	TB15 Modbus Activity Status	Read Only	0: Not Available 1: Inactive 2: Bus Active 3: Local Active	Updates TB15 ports Modbus communication activity	PS0600
408038	TB15 Modbus Baud Rate Selection	Technician	0: 2400 1: 4800 2: 9600 3: 19200 4: 28800 5: 38400 6: 57600 7: 115200	Sets the TB15 ports' baud rate	PS0600
408039	Save Trims	Operator	0: IsFalse 1: IsTrue	Setting this parameter to IsTrue will trigger a save of all non-volatile trims on the entire device.	PS0600
408041	TB15 Modbus Clear Counters	Technician	0: Inactive 1: Active	Setting this to active clears all the Modbus status counters for TB15 port.	PS0600

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5 PowerCommand 2.x/3.x Modbus Register Map

5.1 Modbus Communications

Use the following equation to calculate the value of 32-bit parameters.

- A = high register value
- B = low register value

parameter = (A * 65536 * multiplier) + (B * multiplier)

alternate formula: parameter = ((A*65536)+B)* multiplier

For example: Engine Running Time is a 32-bit parameter in registers 40070 and 40071.

- Register 40070 has 322 (high register value = A).
- Register 40071 has 15637 (low register value = B).

Engine Running Time = (322 * 65536 * 0.1) + (15637 * 0.1)

The engine run-time is 2111823 seconds, or 586.6 hours.

To write a 32-bit value to 2 Modbus registers, calculate the value for each register as follows:

- A (High register value) = INT ((Parameter / Multiplier) / 65536))
- B (Low register value) = INT ((Parameter / Multiplier) % (65536))
- % = Modulus (the remainder of integer division)

For example: To write Load Demand Genset Run Hours = 80000.5

- Register 40769 (high register value A) should be written to INT ((80000.5/0.1)/65536) = 12
- Register 40770 (low register value B) should be written to INT ((80000.5/.01)%65536) = 13573

To write 32-bit values to 2 modbus addresses always write the high register value followed by the low register value. Both registers must be written to change the 32-bit value in the control.

5.2 Parametrics (Analog Values)

Unsupported (Not Available) Data=> "Not Available" data shall be represented as highest positive value for that parameter. For example for a two byte, unsigned integer that would be 65535. For a signed integer that would be 32767.

- Parameters which are not available due to the sensor not being installed, or not enabled in the controllers configuration will classified like this.

Network Failed Data=> "Network Failure" data shall be represented as three less than the highest positive value for that parameter. For example for a two byte, unsigned integer that would be 65532. For a signed integer that would be 32764.

- Data that comes from a network that has failed, such as sensors on the PCCnet I/O Module or sensor data coming in via the CAN datalink will be classified like this.

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Hardware/Component Failure=> "Hardware/Component Failure" data shall be represented as four less than the highest positive value for that parameter. For example for a two byte, unsigned integer that would be 65531. For a signed integer that would be 32763.

- A hardware/component failure that provides the data, such as the voltage, current and power data that comes from an external metering chip will be classified like this.

Out of Range High/Out of Range=> "Out of Range High/Out of Range" data shall be represented as one less than the highest positive value for that parameter. For example for a two byte, unsigned integer that would be 65534. For a signed integer that would be 32766.

- Data that has been determined to be out of range high or out of range (when there is no distinction between out of range high and out of range low) due to an open sensor for example, will be classified like this.

Out of Range Low=> "Out of Range Low" data shall be represented as two less than the highest positive value for that parameter. For example for a two byte, unsigned integer that would be 65533. For a signed integer that would be 32765.

- Data that has been determined to be out of range low due to a shorted sensor for example, will be classified like this.

Data within Normal Operating Range (Valid)=> Anything other than above.

NOTICE

Earlier versions of software may not support all of the Modbus registers in the following table. If a particular register is not available in your installation, it is possible that the Modbus connection is working but the controller software does not support that particular register.

NOTICE

If an address or bit is not listed in this table it is not implemented.

NOTICE

The Master device can read 1-40 contiguous registers, write 1-40 contiguous registers, or read diagnostic counters.

NOTICE

The lowest Modbus register value is considered as the High Register Value and the highest Modbus register value is considered as the Low Register Value.

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Addr.	Parameter	Access	Specifications	Description	Control
40010	Control Switch Position	Read Only	0: Off 1: Auto 2: Manual	Current position of the generator set switch panel Off-Run-Auto switch as seen by the generator set control. **SEE ALSO ADDRESS 40580**. NOTE: Both address 40580 and 40010 show the same information however the specification for each is different.	PC 2.x, PC 3.x
40011	Genset Run Sequence State	Read Only	0: Stop 1: Time Delay to Start 2: Warmup at Idle 3: Rated Freq and Voltage 4: Cooldown / Stop Delay 5: Cooldown at Idle 6: Rated to Idle Transition Delay	Current genset operating mode. Modbus mapping shall be in both addresses 43500 and 40011	PC 2.x, PC3.x
40012	Most Recent Fault or Warning	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: Upper Limit: 65530	This Modbus Register displays most recent Fault or Warning. It is not mapped with any logical.	PC 2.x, PC 3.x
40013	Modbus register 40013	Read Only	0: None 1: Warning 2: Shutdown	This register returns the Fault Type of the Fault Code. This is not associated with any logical.	PC 2.x, PC 3.x
40014	Genset % Standby Total kW	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: S Unit: % Lower Limit: Upper Limit:	Monitors the total generator set standby KW percentage output.	PC 2.x, PC 3.x
40016	NFPA 110 Logical Status	Read Only	Multiplier: 1.0 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: Upper Limit:	16-bit number to represent the status of the NFPA 110 logical. See NFPA 110 bitmap.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40017	Extended NFPA 110 Logical Status	Read Only	Multiplier: 1.0 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: Upper Limit:	16-bit number to represent the status of the NFPA 110 logical. See NFPA 110 bitmap.	PC 2.x, PC 3.x
40018	Genset L1N Voltage	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: Upper Limit:	Generator set L1N voltage	PC 2.x, PC 3.x
40019	Genset L2N Voltage	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: Upper Limit:	Generator set L2N voltage	PC 2.x, PC 3.x
40020	Genset L3N Voltage	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: Upper Limit:	Generator set L3N voltage	PC 2.x, PC 3.x
40021	Genset LN Average Voltage	Read Only	Multiplier : 1 Offset: 0 Size (Bits) : 16 Sign: U Units: Vac Upper Limit: NA Default: 0	Genset Line to Neutral average voltage	PC 2.x, PC 3.x
40022	Genset L1L2 Voltage	Read Only	Multiplier: 1 Lower Limit: NA Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: Upper Limit:	Generator set L1L2 voltage	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40023	Genset L2L3 Voltage	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: Upper Limit:	Generator set L2L3 voltage	PC 2.x, PC 3.x
40024	Genset L3L1 Voltage	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: Upper Limit:	Generator set L3L1 voltage	PC 2.x, PC 3.x
40025	Genset LL Average Voltage	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: Upper Limit:	Generator set Line to Line average voltage	PC 2.x, PC 3.x
40026	Genset L1 Current	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Amps Lower Limit: Upper Limit:	Monitors the generator set L1 current value.	PC 2.x, PC 3.x
40027	Genset L2 Current	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Amps Lower Limit: Upper Limit:	Generator set L2 current	PC 2.x, PC 3.x
40028	Genset L3 Current	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Amps Lower Limit: Upper Limit:	Generator set L3 current	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40029	Genset Average Current	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Amps Lower Limit: Upper Limit:	Generator set average current	PC 2.x, PC 3.x
40030	Genset Neutral Current	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Amps Lower Limit: Upper Limit:	Generator set neutral current	PC 3.x
40031	Genset L1 kW	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: kW Lower Limit: Upper Limit:	Generator set L1 kW	PC 2.x, PC 3.x
40032	Genset L2 kW	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: kW Lower Limit: -32768 Upper Limit: 32762	Generator set L2 kW	PC 2.x, PC 3.x
40033	Genset L3 kW	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: kW Lower Limit: -32768 Upper Limit: 32762	Generator set L3 kW	PC 2.x, PC 3.x
40034	Genset Total kW	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: kW Lower Limit: Upper Limit:	Generator set total kW	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40035	Genset L1 kVAR	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: kVAR Lower Limit: Upper Limit:	Generator set L1 kVAR	PC 2.x, PC 3.x
40036	Genset L2 kVAR	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: kVAR Lower Limit: -32768 Upper Limit: 32762	Generator set L2 kVAR	PC 2.x, PC 3.x
40037	Genset L3 kVAR	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: kVAR Lower Limit: Upper Limit	Generator set L3 kVAR	PC 2.x, PC 3.x
40038	Genset Total kVAR	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: kVAR Lower Limit: Upper Limit	Generator set total kVAR	PC 2.x, PC 3.x
40039	Genset Total Power Factor	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 8 Sign: S Unit: PF Lower Limit: Upper Limit	Generator set total power factor (L1+L2+L3)	PC 2.x, PC 3.x
40040	Genset L1 kVA	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: kVA Lower Limit: Upper Limit	Generator set L1 kVA	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40041	Genset L2 kVA	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: kVA Lower Limit: Upper Limit	Generator set L2 kVA	PC 2.x, PC 3.x
40042	Genset L3 kVA	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit kVA Lower Limit: Upper Limit	Generator set L3 kVA	PC 2.x, PC 3.x
40043	Genset Total kVA	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: kVA Lower Limit: Upper Limit	Generator set total kVA	PC 2.x, PC 3.x
40044	Genset Frequency OP	Read Only	Multiplier : 0.01 Offset: 0 Size (bits): 16 Sign: U Unit: Hz Lower Limit: NA Upper Limit: NA	Genset Frequency OP. Modbus has different multiplier than PCCnet. For Modbus use only, Multiplier/Units = 0.1 Hz	PC 2.X, PC 3.X
40046	Genset Total Negative kWh	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: U Unit: kWh Lower Limit: Upper Limit:	Generator set total negative kWh accumulation	PC 2.x, PC 3.x
40047	Genset Total Negative kWh	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: U Unit: kWh Lower Limit: Upper Limit:	Generator set total negative kWh accumulation	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40048	Genset Total Positive kWh	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: U Unit: kWh Lower Limit: 0 Upper Limit: 4294967290	Generator set total positive kWh accumulation	PC 2.x, PC 3.x
40049	Genset Total Positive kWh	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: U Unit: kWh Lower Limit: 0 Upper Limit: 4294967290	Generator set total positive kWh accumulation	PC 2.x, PC 3.x
40050	Genset Total Net kWh	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: S Unit: kWh Lower Limit: -2147483648 Upper Limit: 2147483643	Generator set total net kWh accumulation	PC 2.x, PC 3.x
40051	Genset Total Net kWh	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: S Unit: kWh Lower Limit: -2147483648 Upper Limit: 2147483643	Generator set total net kWh accumulation	PC 2.x, PC 3.x
40052	Genset Total Negative kVARh	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: U Unit: kVARh Lower Limit: Upper Limit:	Generator set total negative kVARh accumulation	PC 2.x, PC 3.x
40053	Genset Total Negative kVARh	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: U Unit: kVARh Lower Limit: Upper Limit:	Generator set total negative kVARh accumulation	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40054	Genset Total Positive kVARh	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: U Unit: kVARh Lower Limit: 0 Upper Limit: 4294967290	Generator set total positive kVARh accumulation	PC 2.x, PC 3.x
40055	Genset Total Positive kVARh	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: U Unit: kVARh Lower Limit: 0 Upper Limit: 4294967290	Generator set total positive kVARh accumulation	PC 2.x, PC 3.x
40056	Genset Total Net kVARh	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: S Unit: kVARh Lower Limit: -2147483648 Upper Limit: 2147483643	Generator set total net kVARh accumulation	PC 2.x, PC 3.x
40057	Generator set Total Net kVARh	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: S Unit: kVARh Lower Limit: -2147483648 Upper Limit: 2147483643	Generator set total net kVARh accumulation	PC 2.x, PC 3.x
40058	Genset % Standby L1 Current	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: % Lower Limit: Upper Limit:	Monitors the generator set standby L1 current percentage output.	PC 2.x, PC 3.x
40059	Genset % Standby L2 Current	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: % Lower Limit: Upper Limit:	Monitors the generator set standby L2 current percentage output.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40060	Genset % Standby L3 Current	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: % Lower Limit: Upper Limit:	Monitors the generator set standby L3 current percentage output.	PC 2.x, PC 3.x
40061	Battery Voltage	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: Vdc Lower Limit: Upper Limit:	Battery voltage value. Modbus and PCCNet has different multiplier value. For Modbus use only, multiplier/units = 0.1 volts	PC 2.x, PC 3.x
40062	Oil Pressure	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: kPa Lower Limit: Upper Limit:	Monitor point for the Oil Pressure. Modbus and PCCNet have different multiplier value. For Modbus use only, Multiplier/Units = 1kPa	PC 2.x, PC 3.x
40063	Oil Temperature	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: Upper Limit:	Monitor point for the Oil Temperature	PC 2.x, PC 3.x
40064	Coolant Temperature	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: degC Lower Limit: Upper Limit:	Monitor point for the Coolant Temperature. Modbus mapping shall be to both 46126 and 40064 addresses. For Modbus use only, Multiplier/Units = 0.1C	PC 2.x, PC 3.x
40065	Intake Manifold Temperature	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: -40 Upper Limit: 410	To monitor Intake Manifold Temperature. This parameter represents ”Intake Manifold Temperature 1”.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40065	Intake Manifold Temperature	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: -40 Upper Limit: 410	To monitor Intake Manifold Temperature. This parameter represents ”Intake Manifold Temperature 1”.	PC 2.x, PC 3.x
40066	Fuel Temperature	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: -40 Upper Limit: 410	Monitor point for the Fuel Temperature	PC 2.x, PC 3.x
40067	Fuel Rate	Read Only	Multiplier: 0.05 Offset: 0 Size (bits): 16 Sign: S Unit: gal/hr Lower Limit: Upper Limit:	Monitor point for the Fuel Rate	PC 2.x, PC 3.x
40068	Average Engine Speed	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: RPM Lower Limit: Upper Limit:	Monitor point for the Average Engine Speed. Modbus and PCCNet have different multiplier value. For Modbus use only, Multiplier/Units = 1 RPM	PC 2.x, PC 3.x
40069	Total Start Attempts OP	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Unit: NAr Lower Limit: 0 Upper Limit: 65535	Total number of start attempts	PC 2.X, PC3.X
40070	Engine Running Time	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 32 Sign: U Unit: seconds Lower Limit: Upper Limit:	Total engine run time. Modbus has different multiplier than PCCNet. For Modbus use only, multiplier/units = 0.1 Sec	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40071	Engine Running Time	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 32 Sign: U Unit: seconds Lower Limit: Upper Limit:	Total engine run time. Modbus has different multiplier than PCCnet. For Modbus use only, multiplier/units = 0.1 Sec	PC 2.x, PC 3.x
40072	Total Fuel Consumption	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 32 Sign: U Unit: gallons Lower Limit: Upper Limit:	Total fuel consumption since start of engine.	PC 2.x, PC 3.x
40073	Total Fuel Consumption	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 32 Sign: U Unit: gallons Lower Limit: Upper Limit:	Total fuel consumption since start of engine.	PC 2.x, PC 3.x
40074	Total Number of Runs	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: U Unit: Lower Limit: 0 Upper Limit: 4294967295	Total number of generator set runs.	PC 2.x, PC 3.x
40075	Total Number of Runs	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: U Unit: Lower Limit: 0 Upper Limit: 4294967295	Total number of generator set runs.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40076	Runs Reset Time	Read Only	Multiplier: 1 Offset: 0 Size (bits): 144 Sign: C Unit: Lower Limit: Upper Limit:	Real Time Clock stamp record of the last time the Run Attempts were reset. This parameter is READ/WRITE for Mon and PCCNet and READ ONLY for Modbus. Modbus implementation or the Real time stamp will use 40076-40092 for 17 char of this string.	PC 2.x, PC 3.x
40077	Runs Reset Time	Read Only	Multiplier: 1 Offset: 0 Size (bits): 144 Sign: C Unit: Lower Limit: Upper Limit:	Real Time Clock stamp record of the last time the Run Attempts were reset. This parameter is READ/WRITE for Mon and PCCNet and READ ONLY for Modbus. Modbus implementation or the Real time stamp will use 40076-40092 for 17 char of this string.	PC 2.x, PC 3.x
40078	Runs Reset Time	Read Only	Multiplier: 1 Offset: 0 Size (bits): 144 Sign: C Unit: Lower Limit: Upper Limit:	Real Time Clock stamp record of the last time the Run Attempts were reset. This parameter is READ/WRITE for Mon and PCCNet and READ ONLY for Modbus. Modbus implementation or the Real time stamp will use 40076 - 40092 for 17 char of this string.	PC 2.x, PC 3.x
40079	Runs Reset Time	Read Only	Multiplier: 1 Offset: 0 Size (bits): 144 Sign: C Unit: Lower Limit: Upper Limit:	Real Time Clock stamp record of the last time the Run Attempts were reset. This parameter is READ/WRITE for Mon and PCCNet and READ ONLY for Modbus. Modbus implementation or the Real time stamp will use 40076-40092 for 17 char of this string.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40080	Runs Reset Time	Read Only	Multiplier: 1 Offset: 0 Size (bits): 144 Sign: C Unit: Lower Limit: Upper Limit:	Real Time Clock stamp record of the last time the Run Attempts were reset. This parameter is READ/WRITE for Mon and PCCNet and READ ONLY for Modbus. Modbus implementation or the Real time stamp will use 40076-40092 for 17 char of this string.	PC 2.x, PC 3.x
40081	Runs Reset Time	Read Only	Multiplier: 1 Offset: 0 Size (bits): 144 Sign: C Unit: Lower Limit: Upper Limit:	Real Time Clock stamp record of the last time the Run Attempts were reset. This parameter is READ/WRITE for Mon and PCCNet and READ ONLY for Modbus. Modbus implementation or the Real time stamp will use 40076-40092 for 17 char of this string.	PC 2.x, PC 3.x
40082	Runs Reset Time	Read Only	Multiplier: 1 Offset: 0 Size (bits): 144 Sign: C Unit: Lower Limit: Upper Limit:	Real Time Clock stamp record of the last time the Run Attempts were reset. This parameter is READ/WRITE for Mon and PCCNet and READ ONLY for Modbus. Modbus implementation or the Real time stamp will use 40076-40092 for 17 char of this string.	PC 2.x, PC 3.x
40083	Runs Reset Time	Read Only	Multiplier: 1 Offset: 0 Size (bits): 144 Sign: C Unit: Lower Limit: Upper Limit:	Real Time Clock stamp record of the last time the Run Attempts were reset. This parameter is READ/WRITE for Mon and PCCNet and READ ONLY for Modbus. Modbus implementation or the Real time stamp will use 40076-40092 for 17 char of this string.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40084	Runs Reset Time	Read Only	Multiplier: 1 Offset: 0 Size (bits): 144 Sign: C Unit: Lower Limit: Upper Limit:	Real Time Clock stamp record of the last time the Run Attempts were reset. This parameter is READ/WRITE for Mon and PCCNet and READ ONLY for Modbus. Modbus implementation or the Real time stamp will use 40076-40092 for 17 char of this string.	PC 2.x, PC 3.x
40085	Runs Reset Time	Read Only	Multiplier: 1 Offset: 0 Size (bits): 144 Sign: C Unit: Lower Limit: Upper Limit:	Real Time Clock stamp record of the last time the Run Attempts were reset. This parameter is READ/WRITE for Mon and PCCNet and READ ONLY for Modbus. Modbus implementation or the Real time stamp will use 40076-40092 for 17 char of this string.	PC 2.x, PC 3.x
40086	Runs Reset Time	Read Only	Multiplier: 1 Offset: 0 Size (bits): 144 Sign: C Unit: Lower Limit: Upper Limit:	Real Time Clock stamp record of the last time the Run Attempts were reset. This parameter is READ/WRITE for Mon and PCCNet and READ ONLY for Modbus. Modbus implementation or the Real time stamp will use 40076-40092 for 17 char of this string.	PC 2.x, PC 3.x
40087	Runs Reset Time	Read Only	Multiplier: 1 Offset: 0 Size (bits): 144 Sign: C Unit: Lower Limit: Upper Limit:	Real Time Clock stamp record of the last time the Run Attempts were reset. This parameter is READ/WRITE for Mon and PCCNet and READ ONLY for Modbus. Modbus implementation or the Real time stamp will use 40076-40092 for 17 char of this string.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40088	Runs Reset Time	Read Only	Multiplier: 1 Offset: 0 Size (bits): 144 Sign: C Unit: Lower Limit: Upper Limit:	Real Time Clock stamp record of the last time the Run Attempts were reset. This parameter is READ/WRITE for Mon and PCCNet and READ ONLY for Modbus. Modbus implementation or the Real time stamp will use 40076-40092 for 17 char of this string.	PC 2.x, PC 3.x
40089	Runs Reset Time	Read Only	Multiplier: 1 Offset: 0 Size (bits): 144 Sign: C Unit: Lower Limit: Upper Limit:	Real Time Clock stamp record of the last time the Run Attempts were reset. This parameter is READ/WRITE for Mon and PCCNet and READ ONLY for Modbus. Modbus implementation or the Real time stamp will use 40076-40092 for 17 char of this string.	PC 2.x, PC 3.x
40090	Runs Reset Time	Read Only	Multiplier: 1 Offset: 0 Size (bits): 144 Sign: C Unit: Lower Limit: Upper Limit:	Real Time Clock stamp record of the last time the Run Attempts were reset. This parameter is READ/WRITE for Mon and PCCNet and READ ONLY for Modbus. Modbus implementation or the Real time stamp will use 40076-40092 for 17 char of this string.	PC 2.x, PC 3.x
40091	Runs Reset Time	Read Only	Multiplier: 1 Offset: 0 Size (bits): 144 Sign: C Unit: Lower Limit: Upper Limit:	Real Time Clock stamp record of the last time the Run Attempts were reset. This parameter is READ/WRITE for Mon and PCCNet and READ ONLY for Modbus. Modbus implementation or the Real time stamp will use 40076-40092 for 17 char of this string.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40092	Runs Reset Time	Read Only	Multiplier: 1 Offset: 0 Size (bits): 144 Sign: C Unit: Lower Limit: Upper Limit:	Real Time Clock stamp record of the last time the Run Attempts were reset. This parameter is READ/WRITE for Mon and PCCNet and READ ONLY for Modbus. Modbus implementation or the Real time stamp will use 40076-40092 for 17 char of this string.	PC 2.x, PC 3.x
40096	Start Attempts Reset Time	Read Only	Multiplier: 1 Offset: 0 Size (bits): 144 Sign: C Unit: Lower Limit: Upper Limit:	Real Time Clock stamp record of the last time the Start Attempts were reset. This parameter is READ/WRITE for Mon and PCCNet and READ ONLY for Modbus. Modbus implementation or the Real time stamp will use 40096-0112 for 17 char of this string.	PC 2.x, PC 3.x
40097	Start Attempts Reset Time	Read Only	Multiplier: 1 Offset: 0 Size (bits): 144 Sign: C Unit: Lower Limit: Upper Limit:	Real Time Clock stamp record of the last time the Start Attempts were reset. This parameter is READ/WRITE for Mon and PCCNet and READ ONLY for Modbus. Modbus implementation or the Real time stamp will use 40096-0112 for 17 char of this string.	PC 2.x, PC 3.x
40098	Start Attempts Reset Time	Read Only	Multiplier: 1 Offset: 0 Size (bits): 144 Sign: C Unit: Lower Limit: Upper Limit:	Real Time Clock stamp record of the last time the Start Attempts were reset. This parameter is READ/WRITE for Mon and PCCNet and READ ONLY for Modbus. Modbus implementation or the Real time stamp will use 40096-0112 for 17 char of this string.	PC 2.x, PC 3.x
40099	Start Attempts Reset Time	Read Only	Multiplier: 1 Offset: 0 Size (bits): 144 Sign: C Unit: Lower Limit: Upper Limit:	Real Time Clock stamp record of the last time the Start Attempts were reset. This parameter is READ/WRITE for Mon and PCCNet and READ ONLY for Modbus. Modbus implementation or the Real time stamp will use 40096-0112 for 17 char of this string.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40100	Start Attempts Reset Time	Read Only	Multiplier: 1 Offset: 0 Size (bits): 144 Sign: C Unit: Lower Limit: Upper Limit:	Real Time Clock stamp record of the last time the Start Attempts were reset. This parameter is READ/WRITE for Mon and PCCNet and READ ONLY for Modbus. Modbus implementation or the Real time stamp will use 40096-0112 for 17 char of this string.	PC 2.x, PC 3.x
40101	Start Attempts Reset Time	Read Only	Multiplier: 1 Offset: 0 Size (bits): 144 Sign: C Unit: Lower Limit: Upper Limit:	Real Time Clock stamp record of the last time the Start Attempts were reset. This parameter is READ/WRITE for Mon and PCCNet and READ ONLY for Modbus. Modbus implementation or the Real time stamp will use 40096-0112 for 17 char of this string.	PC 2.x, PC 3.x
40102	Start Attempts Reset Time	Read Only	Multiplier: 1 Offset: 0 Size (bits): 144 Sign: C Unit: Lower Limit: Upper Limit:	Real Time Clock stamp record of the last time the Start Attempts were reset. This parameter is READ/WRITE for Mon and PCCNet and READ ONLY for Modbus. Modbus implementation or the Real time stamp will use 40096-0112 for 17 char of this string.	PC 2.x, PC 3.x
40103	Start Attempts Reset Time	Read Only	Multiplier: 1 Offset: 0 Size (bits): 144 Sign: C Unit: Lower Limit: Upper Limit:	Real Time Clock stamp record of the last time the Start Attempts were reset. This parameter is READ/WRITE for Mon and PCCNet and READ ONLY for Modbus. Modbus implementation or the Real time stamp will use 40096-0112 for 17 char of this string.	PC 2.x, PC 3.x
40104	Start Attempts Reset Time	Read Only	Multiplier: 1 Offset: 0 Size (bits): 144 Sign: C Unit: Lower Limit: Upper Limit:	Real Time Clock stamp record of the last time the Start Attempts were reset. This parameter is READ/WRITE for Mon and PCCNet and READ ONLY for Modbus. Modbus implementation or the Real time stamp will use 40096-0112 for 17 char of this string.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40105	Start Attempts Reset Time	Read Only	Multiplier: 1 Offset: 0 Size (bits): 144 Sign: C Unit: Lower Limit: Upper Limit:	Real Time Clock stamp record of the last time the Start Attempts were reset. This parameter is READ/WRITE for Mon and PCCNet and READ ONLY for Modbus. Modbus implementation or the Real time stamp will use 40096-0112 for 17 char of this string.	PC 2.x, PC 3.x
40106	Start Attempts Reset Time	Read Only	Multiplier: 1 Offset: 0 Size (bits): 144 Sign: C Unit: Lower Limit: Upper Limit:	Real Time Clock stamp record of the last time the Start Attempts were reset. This parameter is READ/WRITE for Mon and PCCNet and READ ONLY for Modbus. Modbus implementation or the Real time stamp will use 40096-0112 for 17 char of this string.	PC 2.x, PC 3.x
40107	Start Attempts Reset Time	Read Only	Multiplier: 1 Offset: 0 Size (bits): 144 Sign: C Unit: Lower Limit: Upper Limit:	Real Time Clock stamp record of the last time the Start Attempts were reset. This parameter is READ/WRITE for Mon and PCCNet and READ ONLY for Modbus. Modbus implementation or the Real time stamp will use 40096-0112 for 17 char of this string.	PC 2.x, PC 3.x
40108	Start Attempts Reset Time	Read Only	Multiplier: 1 Offset: 0 Size (bits): 144 Sign: C Unit: Lower Limit: Upper Limit:	Real Time Clock stamp record of the last time the Start Attempts were reset. This parameter is READ/WRITE for Mon and PCCNet and READ ONLY for Modbus. Modbus implementation or the Real time stamp will use 40096-0112 for 17 char of this string.	PC 2.x, PC 3.x
40109	Start Attempts Reset Time	Read Only	Multiplier: 1 Offset: 0 Size (bits): 144 Sign: C Unit: Lower Limit: Upper Limit:	Real Time Clock stamp record of the last time the Start Attempts were reset. This parameter is READ/WRITE for Mon and PCCNet and READ ONLY for Modbus. Modbus implementation or the Real time stamp will use 40096-0112 for 17 char of this string.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40110	Start Attempts Reset Time	Read Only	Multiplier: 1 Offset: 0 Size (bits): 144 Sign: C Unit: Lower Limit: Upper Limit:	Real Time Clock stamp record of the last time the Start Attempts were reset. This parameter is READ/WRITE for Mon and PCCNet and READ ONLY for Modbus. Modbus implementation or the Real time stamp will use 40096-0112 for 17 char of this string.	PC 2.x, PC 3.x
40111	Start Attempts Reset Time	Read Only	Multiplier: 1 Offset: 0 Size (bits): 144 Sign: C Unit: Lower Limit: Upper Limit:	Real Time Clock stamp record of the last time the Start Attempts were reset. This parameter is READ/WRITE for Mon and PCCNet and READ ONLY for Modbus. Modbus implementation or the Real time stamp will use 40096-0112 for 17 char of this string.	PC 2.x, PC 3.x
40112	Start Attempts Reset Time	Read Only	Multiplier: 1 Offset: 0 Size (bits): 144 Sign: C Unit: Lower Limit: Upper Limit:	Real Time Clock stamp record of the last time the Start Attempts were reset. This parameter is READ/WRITE for Mon and PCCNet and READ ONLY for Modbus. Modbus implementation or the Real time stamp will use 40096-0112 for 17 char of this string.	PC 2.x, PC 3.x
40118	Utility L1N Voltage	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: Upper Limit:	Utility L1N voltage	PC 3.x
40119	Utility L2N Voltage	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: Upper Limit:	Utility L2N voltage	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40120	Utility L3N Voltage	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: Upper Limit:	Utility L3N voltage	PC 3.x
40121	Utility LN Average Voltage	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: NA Upper Limit: NA	Utility Line to Neutral average voltage	PC3.X
40122	Utility L1L2 Voltage	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: Upper Limit:	Utility L1L2 voltage	PC 3.x
40123	Utility L2L3 Voltage	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: Upper Limit:	Utility L2L3 voltage	PC 3.x
40124	Utility L3L1 Voltage	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: Upper Limit:	Utility L3L1 voltage	PC 3.x
40125	Utility LL Average Voltage	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: Upper Limit:	Utility Line to Line average voltage	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40126	Utility L1 Current	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Amps Lower Limit: Upper Limit:	Utility L1 current	PC 3.x
40127	Utility L2 Current	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Amps Lower Limit: Upper Limit:	Utility L2 current	PC 3.x
40128	Utility L3 Current	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Amps Lower Limit: Upper Limit: Offset: 0	Utility L3 current	PC 3.x
40129	Utility Average Current	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Unit: Amps Lower Limit: NA Upper Limit: NA Default: NA	Utility average current	PC 3.x
40131	Utility L1 kW	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: kW Lower Limit: Upper Limit:	Utility L1 kW	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40132	Utility L2 kW	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: kW Lower Limit: Upper Limit:	Utility L2 kW	PC 3.x
40133	Utility L3 kW	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: kW Lower Limit: Upper Limit:	Utility L3 kW	PC 3.x
40134	Utility Total kW	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: kW Lower Limit: Upper Limit:	Utility total kW	PC 3.x
40135	Utility L1 kVAR	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: kVAR Lower Limit: Upper Limit:	Utility L1 kVAR	PC 3.x
40136	Utility L2 kVAR	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: kVAR Lower Limit: Upper Limit:	Utility L2 kVAR	PC 3.x
40137	Utility L3 kVAR	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: kVAR Lower Limit: Upper Limit:	Utility L3 kVAR	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40138	Utility Total kVAR	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: kVAR Lower Limit: Upper Limit:	Utility total kVAR	PC 3.x
40139	Utility Total Power Factor	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 8 Sign: S Unit: PF Lower Limit: Upper Limit:	Utility total power factor	PC 3.x
40140	Utility L1 kVA	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: kVA Lower Limit: Upper Limit:	Utility L1 kVA	PC 3.x
40141	Utility L2 kVA	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: kVA Lower Limit: Upper Limit:	Utility L2 kVA	PC 3.x
40142	Utility L3 kVA	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: kVA Lower Limit: Upper Limit:	Utility L3 kVA	PC 3.x
40143	Utility Total kVA	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: kVA Lower Limit: Upper Limit:	Utility total kVA	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40144	Utility Frequency	Read Only	Multiplier: 0.001 Offset: 0 Size (bits): 32 Sign: U Unit: Hz Lower Limit: Upper Limit:	Utility line frequency	PC 3.x
40145	Utility Frequency	Read Only	Multiplier: 0.001 Offset: 0 Size (bits): 32 Sign: U Unit: Hz Lower Limit: Upper Limit:	Utility line frequency	PC 3.x
40146	Utility Total Negative kWh	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: U Unit: kWh Lower Limit: Upper Limit:	Utility total negative kWh accumulation	PC 3.x
40147	Utility Total Negative kWh	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: U Unit: kWh Lower Limit: Upper Limit:	Utility total negative kWh accumulation	PC 3.x
40148	Utility Total Positive kWh	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: U Unit: kWh Lower Limit: Upper Limit:	Utility total positive kWh accumulation	PC 3.x
40149	Utility Total Positive kWh	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: U Unit: kWh Lower Limit: Upper Limit:	Utility total positive kWh accumulation	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40150	Utility Total Net kWh	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: S Unit: kWh Lower Limit: Upper Limit:	Utility total net kWh accumulation	PC 3.x
40151	Utility Total Net kWh	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: S Unit: kWh Lower Limit: Upper Limit:	Utility total net kWh accumulation	PC 3.x
40152	Utility Total Negative kVARh	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: U Unit: kVARh Lower Limit: Upper Limit:	Utility total negative kVARh accumulation	PC 3.x
40153	Utility Total Negative kVARh	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: U Unit: kVARh Lower Limit: Upper Limit:	Utility total negative kVARh accumulation	PC 3.x
40154	Utility Total Positive kVARh	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: U Unit: kVARh Lower Limit: Upper Limit:	Utility total positive kVARh accumulation	PC 3.x
40155	Utility Total Positive kVARh	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: U Unit: kVARh Lower Limit: Upper Limit:	Utility total positive kVARh accumulation	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40156	Utility Total Net kVARh	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: S Unit: kVARh Lower Limit: Upper Limit:	Utility total net kVARh accumulation	PC 3.x
40157	Utility Total Net kVARh	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: S Unit: kVARh Lower Limit: Upper Limit:	Utility total net kVARh accumulation	PC 3.x
40158	Genset Bus L1N Voltage	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: Upper Limit:	Generator set Bus L1N voltage	PC 3.x
40159	Genset Bus L2N Voltage	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: Upper Limit:	Generator set Bus L2N voltage	PC 3.x
40160	Genset Bus L3N Voltage	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: Upper Limit:	Generator set Bus L3N voltage	PC 3.x
40161	Genset Bus LN Average Voltage	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: Upper Limit:	Genset Bus Line to Neutral average voltage	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40162	Genset Bus L1L2 Voltage	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: Upper Limit:	Generator set Bus L1L2 voltage	PC 3.x
40163	Genset Bus L2L3 Voltage	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: Upper Limit:	Generator set Bus L2L3 voltage	PC 3.x
40164	Genset Bus L3L1 Voltage	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: Upper Limit:	Generator set Bus L3L1 voltage	PC 3.x
40165	Genset Bus LL Average Voltage	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: Upper Limit:	Generator set Bus Line to Line average voltage	PC 3.x
40166	Genset Bus L1 Current	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Amps Lower Limit: 0 Upper Limit: 65530	Generator set Bus L1 current	PC 3.x
40167	Genset Bus L2 Current	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Amps Lower Limit: Upper Limit:	Generator set Bus L2 current	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40168	Genset Bus L3 Current	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Amps Lower Limit: Upper Limit:	Generator set Bus L3 current	PC 3.x
40169	Genset Bus Average Current	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Unit: Amps Lower Limit: NA Upper Limit: NA	Genset Bus Average current	PC3.X
40171	Genset Bus L1 kW	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: kW Lower Limit: -32768 Upper Limit: 32762	Generator set Bus L1 kW	PC 3.x
40172	Genset Bus L2 kW	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: kW Lower Limit: -32768 Upper Limit: 32762	Generator set Bus L2 kW	PC 3.x
40173	Genset Bus L3 kW	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: kW Lower Limit: Upper Limit:	Generator set Bus L3 kW	PC 3.x
40174	Genset Bus Total kW	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: kW Lower Limit: Upper Limit:	Generator set Bus total kW	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40175	Genset Bus L1 kVAR	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: kVAR Lower Limit: -32678 Upper Limit: 32672	Generator set bus L1 kVar	PC 3.x
40176	Genset Bus L2 kVAR	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: kVAR Lower Limit: -32678 Upper Limit: 32672	Generator set bus L2 kVAR	PC 3.x
40177	Genset Bus L3 kVAR	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: kVAR Lower Limit: Upper Limit:	Generator set bus L3 kVAR	PC 3.x
40178	Genset Bus Total kVAR	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: kVAR Lower Limit: Upper Limit:	Generator set bus total kVAR	PC 3.x
40179	Genset Bus Total Power Factor	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 8 Sign: S Unit: PF Lower Limit: Upper Limit:	Generator set Bus Total power factor	PC 3.x
40180	Genset Bus L1 kVA	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: kVA Lower Limit: Upper Limit:	Generator set Bus L1 kVA	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40181	Genset Bus L2 kVA	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: kVA Lower Limit: Upper Limit:	Generator set Bus L2 kVA	PC 3.x
40182	Genset Bus L3 kVA	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: kVA Lower Limit: Upper Limit:	Generator set Bus L3 kVA	PC 3.x
40183	Genset Bus Total kVA	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: kVA Lower Limit: Upper Limit:	Generator set bus total kVA	PC 3.x

Addr.	Parameter	Access	Specifications	Description	Control
40184	Genset Bus Frequency	Read Only	Multiplier: 0.001 Offset: 0 Size (bits): 32 Sign: U Unit: Hz Lower Limit: Upper Limit:	Generator set bus line frequency	PC 3.x
40185	Genset Bus Frequency	Read Only	Multiplier: 0.001 Offset: 0 Size (bits): 32 Sign: U Unit: Hz Lower Limit: Upper Limit:	Generator set bus line frequency	PC 3.x
40186	Genset Bus Total Negative kWh	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: U Unit: kWh Lower Limit: Upper Limit:	Generator set bus total negative kWh accumulation	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40187	Genset Bus Total Negative kWh	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: U Unit: kWh Lower Limit: Upper Limit:	Generator set bus total negative kWh accumulation	PC 3.x
40188	Genset Bus Total Positive kWh	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: U Unit: kWh Lower Limit: Upper Limit:	Generator set bus total positive kWh accumulation	PC 3.x
40189	Genset Bus Total Positive kWh	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: U Unit: kWh Lower Limit: Upper Limit:	Generator set bus total positive kWh accumulation	PC 3.x
40190	Genset Bus Total Net kWh	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: S Unit: kWh Lower Limit: Upper Limit:	Generator set bus total net kWh accumulation	PC 3.x
40191	Genset Bus Total Net kWh	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: S Unit: kWh Lower Limit: Upper Limit:	Generator set bus total net kWh accumulation	PC 3.x
40192	Genset Bus Total Negative kVARh	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: U Unit: kVARh Lower Limit: Upper Limit:	Generator set bus total negative kVARh accumulation	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40193	Genset Bus Total Negative kVARh	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: U Unit: kVARh Lower Limit: Upper Limit:	Generator set bus total negative kVARh accumulation	PC 3.x
40194	Genset Bus Total Positive kVARh	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: U Unit: kVARh Lower Limit: Upper Limit:	Generator set bus total positive kVARh accumulation	PC 3.x
40195	Genset Bus Total Positive kVARh	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: U Unit: kVARh Lower Limit: Upper Limit:	Generator set bus total positive kVARh accumulation	PC 3.x
40196	Genset Bus Total Net kVARh	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: S Unit: kVARh Lower Limit: Upper Limit:	Generator set Bus total net kVARh accumulation	PC 3.x
40197	Genset Bus Total Net kVARh	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: S Unit: kVARh Lower Limit: Upper Limit:	Generator set Bus total net kVARh accumulation	PC 3.x
40198	Ground Current	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: amp Lower Limit: Upper Limit:	Ground current	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40199	Genset Negative Sequence Current %	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: U Unit: % Lower Limit: Upper Limit:	Generator set Negative Sequence Current as Percent of Standby Current Rating	PC 3.x
40201	Coolant Temperature Sensor Type	Read Only	0: PGBU 1: EBU	Either PGBU(Onan) or EBU(Cummins) sensor.	PC 2.x, PC 3.x
40207	Battery Charger Alternator Flash Voltage	Read Only	Multiplier: 0.001 Offset: 0 Size (bits): 16 Sign: U Unit: Vdc Lower Limit: 0 Upper Limit: 35	The Battery Charger Alternator Flash Voltage after all scaling and validity checks.	PC 2.x, PC 3.x
40208	Battery 1 Voltage (Aux101)	Read Only	Multiplier : 0.01 Offset: 0 Size (bits): 16 Sign: U Unit: Vdc Lower Limit: 0 Upper Limit: 3850 Default: NA	Battery 1 Voltage measured through AUX101. Applicable when multiple batteries are used.	PC 3.x
40209	Battery 2 Voltage (Aux101)	Read Only	Multiplier : 0.01 Offset: 0 Size (bits): 16 Sign: U Unit: Vdc Lower Limit: 0 Upper Limit: 3850 Default: NA	Battery 2 Voltage measured through AUX101. Applicable when multiple batteries are used.	PC 3.x
40210	External Speed Bias Input	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: S Unit: % Lower Limit: -100 Upper Limit: 100	Monitor point for the external speed bias input.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40211	External Voltage Bias Input	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: S Unit: % Lower Limit: -100 Upper Limit: 100	Monitor point for the external voltage bias input.	PC 2.x, PC 3.x
40212	Battery 3 Voltage (Aux101)	Read Only	Multiplier : 0.01 Offset: 0 Size (bits): 16 Sign: U Unit: Vdc Lower Limit: 0 Upper Limit: 3850 Default: NA	Battery 3 Voltage measured through AUX101. Applicable when multiple batteries are used.	PC 3.x
40213	Battery 4 Voltage (Aux101)	Read Only	Multiplier : 0.01 Offset: 0 Size (bits): 16 Sign: U Unit: Vdc Lower Limit: 0 Upper Limit: 3850 Default: NA	Battery 4 Voltage measured through AUX101. Applicable when multiple batteries are used.	PC 3.x
40214	kVAR Load Setpoint	Read Only	Multiplier : 0.01 Offset: 0 Size (bits): 16 Sign: S Unit: % Lower Limit: NA Upper Limit: NA Default: NA	EU scaled value for the kVAR load setpoint	PC 3.x
40217	kVAR Load Share Level	Read Only	Multiplier : 0.01 Offset: 0 Size (bits): 16 Sign: S Unit: % Lower Limit: NA Upper Limit: NA Default: NA	EU Scaled value for the kVAR load share level analog input	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40219	kW load setpoint	Read Only	Multiplier : 0.01 Offset: 0 Size (bits): 16 Sign: S Unit: % Lower Limit: Upper Limit: 125.01 Default: NA	EU scaled value for the kW load setpoint	PC 3.x
40222	kW Load Share Level	Read Only	Multiplier : 0.01 Offset: 0 Size (bits): 16 Sign: S Unit: % Lower Limit: NA Upper Limit: NA Default: NA	EU Scaled value for the kW load share level analog input	PC 3.x
40224	kVAR Load Share Output Predictor	Read Only	Multiplier : 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: uA Lower Limit: NA Upper Limit: NA Default: NA	uA signal being injected into a 10K ohm resistor network	PC 3.x
40225	KW Load Share Output Predictor	Read Only	Multiplier : 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: uA Lower Limit: NA Upper Limit: NA Default: NA	uA signal being injected into a 10K ohm resistor network	PC 3.x
40226	Speed Bias Output / Configurable Analog output #1 Output Predictor	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: S Unit: Vdc Lower Limit: NA Upper Limit: NA	Configurable analog output voltage output value (predicted)	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40227	Voltage Bias Output / Configurable Analog output #2 Output Predictor	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: S Unit: Vdc Lower Limit: Upper Limit:	Configurable analog output voltage output value (predicted)	PC 3.x
40228	Amber Warning Lamp Status	Read Only	0: Inactive 1: Active	Engine Control System indicates a warning condition.	PC 2.x, PC 3.x
40229	Barometric Absolute Pressure	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: psi Lower Limit: Upper Limit:	Monitor point for the Barometric Absolute Pressure. Displayed as ”Ambient Pressure” in the HMI.	PC 2.x, PC 3.x
40230	Boost Pressure	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: psi Lower Limit: Upper Limit:	Monitor point for the Boost Absolute Pressure	PC 2.x, PC 3.x
40231	CAN Datalink Status	Read Only	0: Inactive 1: Active 2: Failed	Indicates the status of the CAN datalink	PC 2.x, PC 3.x
40232	Crankcase Pressure	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: psi Lower Limit: -35.67 Upper Limit: 38	Monitor point for the Crankcase Pressure.	PC 2.x, PC 3.x
40235	ECM Derate Request	Read Only	0: No Derate Request 1: Derate Request 2: Error 3: Don’t Care	Request made by the ECS for a reduction in load	PC 2.x, PC 3.x
40236	Engine Application Type	Read Only	0: ECM 1: Hydro-Mechanical	Monitor point for the output of the Engine application type. Either ECM (CAN) or Hydro-Mechanical.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40237	Engine State	Read Only	0: Stop 1: Ventilation 2: Start 3: Run 4: Normal Shutdown 5: Emergency Shutdown 6: Error 7: Don't Care 8: Rapid Start 9: Reserved 10: Reserved 11: Reserved 12: Reserved 13: Reserved 14: Reserved 15: Don't Care / Take No Action	ECS engine state indication	PC 2.x, PC 3.x
40238	PGI Major Version	Read Only	Multiplier :1 Offset: 0 Size (bits): 8 Sign: U Unit: NA Lower Limit: 0 Upper Limit: 225 Default: NA	Displays Power Generation Interface Major Version to which Engine Software is complying	PC 3.x
40239	PGI Minor Version	Read Only	Multiplier :1 Offset: 0 Size (bits): 8 Sign: U Unit: NA Lower Limit: 0 Upper Limit: 225 Default: NA	Displays Power Generation Interface Minor Version to which Engine Software is complying	PC 3.x
40240	PGI Informational Version	Read Only	Multiplier :1 Offset: 0 Size (bits): 8 Sign: U Unit: NA Lower Limit: 0 Upper Limit: 225 Default: NA	Displays Power Generation Interface Informational Version to which Engine Software is complying	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40242	Aftercooler Temperature	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: -40 Upper Limit: 410 Default: NA	Monitor point for the Aftercooler Temperature.	PC 2.x, PC 3.x
40243	Internal ECM Module 1 Temperature	Read Only	Multiplier : 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: NA Upper Limit: NA Default: NA	Internal temperature of the engine electronic control module 1	PC 3.x
40244	Internal ECM Module 2 Temperature	Read Only	Multiplier : 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: NA Upper Limit: NA Default: NA	Internal temperature of the engine electronic control module 2	PC 3.x
40245	Internal ECM Module 3 Temperature	Read Only	Multiplier : 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: NA Upper Limit: NA Default: NA	Internal temperature of the engine electronic control module 3	PC 3.x
40246	Internal ECM Module 4 Temperature	Read Only	Multiplier : 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: NA Upper Limit: NA Default: NA	Internal temperature of the engine electronic control module 4	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40247	ECM Module 1 Battery Voltage	Read Only	Multiplier : 0.1 Offset: 0 Size (bits): 16 Sign: U Units: Vdc Lower Limit: 0 Upper Limit: 65535 Default: NA	Engine Control Module 1 Battery Voltage.	PC 3.x
40248	ECM Module 2 Battery Voltage	Read Only	Multiplier : 0.1 Offset: 0 Size (bits): 16 Sign: U Units: Vdc Lower Limit: 0 Upper Limit: 65535 Default: NA	Engine Control Module 2 Battery Voltage.	PC 3.x
40249	ECM Module 3 Battery Voltage	Read Only	Multiplier : 0.1 Offset: 0 Size (bits): 16 Sign: U Units: Vdc Lower Limit: 0 Upper Limit: 65535 Default: NA	Engine Control Module 3 Battery Voltage.	PC 3.x
40250	ECM Module 4 Battery Voltage	Read Only	Multiplier : 0.1 Offset: 0 Size (bits): 16 Sign: U Units: Vdc Lower Limit: 0 Upper Limit: 65535 Default: NA	Engine Control Module 4 Battery Voltage.	PC 3.x
40254	Fuel Supply Pressure	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: psi Lower Limit: 0 Upper Limit: 145	Monitor point for the Fuel Supply Pressure. Displayed as ”Fuel Supply Pressure” in the HMI.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40257	Intake Manifold 4 Temperature	Read Only	Multiplier : 0.1 Offset: 0 Size (bits): 16 Sign: S Units: degF Lower Limit: -40 Upper Limit: 410 Default: NA	Monitor point for the Intake Manifold 4 Temperature	PC 2.x, PC 3.x
40258	Fuel Outlet Pressure	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 32 Sign: U Unit: psi Lower Limit: 0 Upper Limit: 36404	Monitor point for the Fuel Outlet Pressure. Displayed as ”Fuel Rail Pressure” in the HMI.	PC 2.x, PC 3.x
40259	Fuel Outlet Pressure	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 32 Sign: U Unit: psi Lower Limit: 0 Upper Limit: 36404	Monitor point for the Fuel Outlet Pressure. Displayed as ”Fuel Rail Pressure” in the HMI.	PC 2.x, PC 3.x
40260	Intake Manifold 2 Temperature	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: -40 Upper Limit: 410	Monitor point for the Intake Manifold 2 Temperature	PC 2.x, PC 3.x
40261	Intake Manifold 3 Temperature	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: -40 Upper Limit: 410	Monitor point for the Intake Manifold 3 Temperature	PC 2.x, PC 3.x
40264	Percent Engine Torque/Duty Cycle	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: % Lower Limit: -40 Upper Limit: 410	Monitor point for the percent engine torque output and the governor percent duty cycle output when used with the HM ECM	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40276	Post-Filter Oil Pressure	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: psi Lower Limit: 0 Upper Limit: 145	Monitor point for the Post-Filter Oil Pressure	PC 2.x, PC 3.x
40277	Pre-Filter Oil Pressure	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: psi Lower Limit: 0 Upper Limit: 145	Monitor point for the Pre-Filter Oil Pressure	PC 2.x, PC 3.x
40278	Configurable Input #14 Switch	Read Only	0: Inactive 1: Active	Configurable Input #14 input software state status. Gives software Inactive/Active state	PC 2.x, PC 3.x
40279	Turbocharger 1 Speed	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: U Unit: RPM Lower Limit: 0 Upper Limit: 257000	Monitor point for the Turbocharger 1 Speed	PC 2.x, PC 3.x
40280	Turbocharger 1 Speed	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: U Unit: RPM Lower Limit: 0 Upper Limit: 257000	Monitor point for the Turbocharger 1 Speed	PC 2.x, PC 3.x
40281	Turbocharger 2 Boost Pressure	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 32 Sign: U Unit: psi Lower Limit: Upper Limit:	Monitor point for the Turbocharger 2 Boost Pressure	PC 2.x, PC 3.x
40282	Water in Fuel Indicator	Read Only	0: No 1: Yes	Water in Fuel Indication	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40282	Water in Fuel Indicator	Read Only	0: Off 1: Ready 2: Setup 3: Starting 4: Idle 5: Rated 6: Stop Normal 7: Stop Emergency 8: Factory Test 9: Wait to Power Down	The controller mode	PC 2.x, PC 3.x
40285	Power Down Mode Timer	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 0 Upper Limit: 600	Timer to count down the time before the control goes to sleep	PC 2.x, PC 3.x
40286	Setup Mode Timer	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: NA Upper Limit: NA Default: NA	Time spent in Setup Mode.	PC 2.x PC3.x
40287	Tool Wake-up Command	Read only	0: Inactive 1: Active	The control output to the common wake-up line to wake up other devices	PC 2.x PC 3.x
40289	Active Schedule	Read only	0: None 1: Program 1 2: Program 2 3: Program 3 4: Program 4 5: Program 5 6: Program 6 7: Program 7 8: Program 8 9: Program 9 10: Program 10 11: Program 11 12: Program 12 13: Exception 1 14: Exception 2	Indicates the currently active scheduler program or exception.	PC 2.x PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40290	Controller On Time	Read Only	Multiplier : 1 Offset: 0 Size (bits): 32 Sign: U Unit: seconds Lower Limit: 0 Upper Limit: 4294967295 Default: NA	Controller ON time in seconds. Upper limit is 136 years.	PC 2.x PC 3.x
40291	Controller On Time	Read Only	Multiplier : 1 Offset: 0 Size (bits): 32 Sign: U Unit: seconds Lower Limit: 0 Upper Limit: 4294967295 Default: NA	Controller ON time in seconds. Upper limit is 136 years.	PC 2.x PC 3.x
40298	Runs Since Reset	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: U Unit: Lower Limit: 0 Upper Limit: 4294967290	Number of runs since the last reset. Upper limit is 2^32 -1.	PC 2.x, PC 3.x
40299	Runs Since Reset	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: U Unit: Lower Limit: 0 Upper Limit: 4294967290	Number of runs since the last reset. Upper limit is 2^32 -1.	PC 2.x, PC 3.x
40300	Remote Start Switch(Modbus)	Read/Write	0: Inactive 1: Active	Modbus Remote Start	PC 2.x, PC 3.x
40301	Fault Reset (Modbus)	Read/Write	0: Inactive 1: Active	Modbus fault reset.	PC 2.x, PC 3.x
40320	Start Inhibit No1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the operator panel when this fault becomes active	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40321	Start Inhibit No1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the operator panel when this fault becomes active	PC 3.x
40322	Start Inhibit No1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the operator panel when this fault becomes active	PC 3.x
40323	Start Inhibit No1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the operator panel when this fault becomes active	PC 3.x
40324	Start Inhibit No1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the operator panel when this fault becomes active	PC 3.x
40325	Start Inhibit No1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the operator panel when this fault becomes active	PC 3.x
40326	Start Inhibit No1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the operator panel when this fault becomes active	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40327	Start Inhibit No1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the operator panel when this fault becomes active	PC 3.x
40328	Start Inhibit No1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the operator panel when this fault becomes active	PC 3.x
40329	Start Inhibit No1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the operator panel when this fault becomes active	PC 3.x
40330	Start Inhibit No1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the operator panel when this fault becomes active	PC 3.x
40331	Start Inhibit No1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the operator panel when this fault becomes active	PC 3.x
40332	Start Inhibit No1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the operator panel when this fault becomes active	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40333	Start Inhibit No1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the operator panel when this fault becomes active	PC 3.x
40334	Start Inhibit No1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the operator panel when this fault becomes active	PC 3.x
40335	Start Inhibit No1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the operator panel when this fault becomes active	PC 3.x
40336	Start Inhibit No1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the operator panel when this fault becomes active	PC 3.x
40337	Start Inhibit No1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the operator panel when this fault becomes active	PC 3.x
40338	Start Inhibit No1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the operator panel when this fault becomes active	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40339	Start Inhibit No1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the operator panel when this fault becomes active	PC 3.x
40340	Start Inhibit No2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the operator panel when this fault becomes active.	PC 3.x
40341	Start Inhibit No2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the operator panel when this fault becomes active.	PC 3.x
40342	Start Inhibit No2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the operator panel when this fault becomes active.	PC 3.x
40343	Start Inhibit No2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the operator panel when this fault becomes active.	PC 3.x
40344	Start Inhibit No2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the operator panel when this fault becomes active.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40345	Start Inhibit No2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the operator panel when this fault becomes active.	PC 3.x
40346	Start Inhibit No2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the operator panel when this fault becomes active.	PC 3.x
40347	Start Inhibit No2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the operator panel when this fault becomes active.	PC 3.x
40348	Start Inhibit No2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the operator panel when this fault becomes active.	PC 3.x
40349	Start Inhibit No2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the operator panel when this fault becomes active.	PC 3.x
40350	Start Inhibit No2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the operator panel when this fault becomes active.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40351	Start Inhibit No2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the operator panel when this fault becomes active.	PC 3.x
40352	Start Inhibit No2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the operator panel when this fault becomes active.	PC 3.x
40353	Start Inhibit No2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the operator panel when this fault becomes active.	PC 3.x
40354	Start Inhibit No2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the operator panel when this fault becomes active.	PC 3.x
40355	Start Inhibit No2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the Operator panel when this fault becomes active.	PC 3.x
40356	Start Inhibit No2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the Operator panel when this fault becomes active.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40357	Start Inhibit No2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the Operator panel when this fault becomes active.	PC 3.x
40358	Start Inhibit No2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the Operator panel when this fault becomes active.	PC 3.x
40359	Start Inhibit No2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the Operator panel when this fault becomes active.	PC 3.x
40360	Start Inhibit No3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the Operator panel when this fault becomes active.	PC 3.x
40361	Start Inhibit No3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the Operator panel when this fault becomes active.	PC 3.x
40362	Start Inhibit No3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the Operator panel when this fault becomes active.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40363	Start Inhibit No3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the Operator panel when this fault becomes active.	PC 3.x
40364	Start Inhibit No3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the Operator panel when this fault becomes active.	PC 3.x
40365	Start Inhibit No3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the Operator panel when this fault becomes active.	PC 3.x
40366	Start Inhibit No3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the Operator panel when this fault becomes active.	PC 3.x
40367	Start Inhibit No3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the Operator panel when this fault becomes active.	PC 3.x
40368	Start Inhibit No3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the Operator panel when this fault becomes active.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40369	Start Inhibit No3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the Operator panel when this fault becomes active.	PC 3.x
40370	Start Inhibit No3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the Operator panel when this fault becomes active.	PC 3.x
40371	Start Inhibit No3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the Operator panel when this fault becomes active.	PC 3.x
40372	Start Inhibit No3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the Operator panel when this fault becomes active.	PC 3.x
40373	Start Inhibit No3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the Operator panel when this fault becomes active.	PC 3.x
40374	Start Inhibit No3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the Operator panel when this fault becomes active.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40375	Start Inhibit No3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the Operator panel when this fault becomes active.	PC 3.x
40376	Start Inhibit No3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the Operator panel when this fault becomes active.	PC 3.x
40377	Start Inhibit No3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the Operator panel when this fault becomes active.	PC 3.x
40378	Start Inhibit No3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the Operator panel when this fault becomes active.	PC 3.x
40379	Start Inhibit No3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 20 character string for use by the Operator panel when this fault becomes active.	PC 3.x
40422	Fault Status Bitmap 23	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65530 Default: NA	16 bit fault bitmap for Modbus interface.	PC 2.x PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40423	Fault Status Bitmap 24	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65530 Default: NA	16 bit fault bitmap for Modbus interface.	PC 2.x PC 3.x
40424	Fault Status Bitmap 25	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65530 Default: NA	16 bit fault bitmap for Modbus interface.	PC 2.x PC3.x
40425	Event Status Bitmap 2	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit fault bitmap for Modbus interface.	PC 2.x PC 3.x
40426	Event Status Bitmap 3	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit fault bitmap for Modbus interface.	PC 2.x PC 3.x
40427	Fault Status Bitmap 26	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit fault bitmap for Modbus interface.	PC 2.x PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40428	Fault Status Bitmap 32	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit event bitmap for Modbus interface and Tier4F 16 bit Diesel Fault Bitmap for Modbus interface	PC 3.x
40430	Event Status Bitmap 1	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit fault bitmap for Modbus interface.	PC 2.x PC 3.x
40431	Fault Status Gas Bitmap 1	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40432	Fault Status Gas Bitmap 2	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40433	Fault Status Gas Bitmap 3	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40434	Fault Status Gas Bitmap 4	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40435	Fault Status Gas Bitmap 5	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40436	Fault Status Gas Bitmap 6	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40437	Fault Status Gas Bitmap 7	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40438	Fault Status Gas Bitmap 8	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40439	Fault Status Gas Bitmap 9	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40440	Fault Status Gas Bitmap 10	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40441	Fault Status Gas Bitmap 11	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40442	Fault Status Gas Bitmap 12	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40443	Fault Status Gas Bitmap 13	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40444	Fault Status Gas Bitmap 14	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40445	Fault Status Gas Bitmap 15	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40446	Fault Status Gas Bitmap 16	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40447	Fault Status Gas Bitmap 17	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40448	Fault Status Gas Bitmap 18	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40449	Fault Status Gas Bitmap 19	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40450	Fault Status Gas Bitmap 20	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40451	Fault Status Gas Bitmap 21	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40452	Fault Status Gas Bitmap 22	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40453	Fault Status Gas Bitmap 23	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40454	Fault Status Gas Bitmap 24	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40455	Fault Status Gas Bitmap 25	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40456	Fault Status Gas Bitmap 26	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40457	Fault Status Gas Bitmap 27	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40458	Fault Status Gas Bitmap 28	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40459	Fault Status Gas Bitmap 29	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40460	Fault Status Gas Bitmap 30	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40461	Fault Status Gas Bitmap 31	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40462	Fault Status Gas Bitmap 32	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40463	Fault Status Gas Bitmap 33	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40464	Fault Status Gas Bitmap 34	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40465	Fault Status Gas Bitmap 35	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40466	Fault Status Gas Bitmap 36	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40467	Fault Status Gas Bitmap 37	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40468	Fault Status Gas Bitmap 38	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40469	Fault Status Gas Bitmap 39	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65530 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40470	Fault Status Gas Bitmap 40	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40471	Fault Status Gas Bitmap 41	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40472	Fault Status Gas Bitmap 42	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40473	Fault Status Gas Bitmap 43	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40474	Fault Status Gas Bitmap 44	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40475	Fault Status Gas Bitmap 45	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40476	Fault Status Gas Bitmap 46	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40477	Fault Status Gas Bitmap 47	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40478	Fault Status Gas Bitmap 48	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40479	Fault Status Gas Bitmap 49	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40480	Fault Status Gas Bitmap 50	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40481	Fault Status Gas Bitmap 51	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40482	Fault Status Gas Bitmap 52	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40483	Fault Status Gas Bitmap 53	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40484	Fault Status Gas Bitmap 54	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40485	Fault Status Gas Bitmap 55	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40486	Fault Status Gas Bitmap 56	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40487	Fault Status Gas Bitmap 57	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40488	Fault Status Gas Bitmap 58	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40489	Fault Status Gas Bitmap 59	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40490	Fault Status Gas Bitmap 60	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40491	Fault Status Gas Bitmap 61	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40492	Fault Status Gas Bitmap 62	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40493	Fault Status Gas Bitmap 63	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40494	Fault Status Gas Bitmap 64	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit Gas fault bitmap for Modbus interface.	PC 3.x
40495	AT Fault Status Bitmap 1	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65535 Default: NA	16 bit AT Fault Bitmap for Modbus interface	PC 3.x
40496	Fault Status Bitmap 27	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65530 Default: NA	16 bit fault bitmap for Modbus interface	PC 3.x
40497	Fault Status Bitmap 28	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65530 Default: NA	16 bit fault bitmap for Modbus interface	PC 3.x
40498	Fault Status Bitmap 29	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65530 Default: NA	16 bit fault bitmap for Modbus interface	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40499	Fault Status Bitmap 30	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65530 Default: NA	16 bit fault bitmap for Modbus interface	PC 3.x
40500	Low Fuel Switch	Read Only	0: Inactive 1: Active	Low Fuel input software state status. Gives software Inactive/Active state	PC 2.x, PC 3.x
40501	Low Fuel/Configurable Input #6 Switch	Read Only	0: Inactive 1: Active	This is the status of the Configurable Input #6.	PC 2.x, PC 3.x
40503	Differential Fault Trip	Read Only	0: Inactive 1: Active 2: Reserved 3: Not Available	Differential fault trip monitor point	PC 3.x
40504	Master First Start Input A	Read Only	0: Inactive 1: Active	This is the status of the Master First Start A input	PC 3.x
40505	Fire Trip	Read Only	0: Inactive 1: Active	Fire trip monitor point.	PC 3.x
40506	Master First Start Input B Switch	Read Only	0: Inactive 1: Active	Master First Start Input B input software state status. Gives software Inactive/Active state.	PC 3.x
40507	Masterless Load Demand Enable Switch	Read Only	0: Inactive 1: Active	Masterless Load Demand Enable Switch function output status. Gives software Inactive/Active state	PC 3.x
40508	Predictive Load Enable Switch	Read Only	0: Inactive 1: Active	Predictive Load Enable Switch function output status. Gives software Inactive/Active state	PC 3.x
40509	PTC Mode Switch	Read Only	0: Inactive 1: Active	PTC Mode Switch function output status. Gives software Inactive/Active state	PC 3.x
40510	Extended Parallel/Configurable Input #32 Switch	Read Only	0: Inactive 1: Active	This is the status of the Configurable Input #32.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40511	Ramp Load/Unload Switch	Read Only	0: Load 1: Unload	Ramp Load/Unload input software state status	PC 3.x
40512	Remote E-stop Switch	Read Only	0: Inactive 1: Active	Remote E–stop input software state status. Gives software Inactive/Active state	PC 2.x, PC 3.x
40513	Remote Start Switch	Read Only	0: Inactive 1: Active	Remote Start input software state status. Gives software Inactive/Active state	PC 2.x, PC 3.x
40514	Retransfer Inhibit Switch	Read Only	0: Inactive 1: Active	Retransfer Inhibit input software state status. Gives software Inactive/Active state	PC 3.x
40515	Retransfer Inhibit/Configurable Input #21 Switch	Read Only	0: Inactive 1: Active	This is the status of the Configurable Input #21.	PC 3.x
40516	Rupture Basin Switch	Read Only	0: Inactive 1: Active	Rupture Basin input software state status. Gives software Inactive/Active state	PC 2.x, PC 3.x
40517	Rupture Basin/Configurable Input #12 Switch	Read Only	0: Inactive 1: Active	This is the status of the Configurable Input #12.	PC 2.x, PC 3.x
40518	Speed Droop Enable Switch	Read Only	0: Inactive 1: Active	Monitors the Speed Droop Enable Switch function; Inactive or Active state	PC 2.x, PC 3.x
40519	Start Type Switch	Read Only	0: Inactive 1: Active	Start Type input software state status. Gives software Inactive/Active state	PC 2.x, PC 3.x
40520	Sync Enable Switch	Read Only	0: Inactive 1: Active	Sync Enable input software state status. Gives software Inactive/Active state	PC 3.x
40521	Sync Enable/Configurable Input #30 Switch	Read Only	0: Inactive 1: Active	This is the status of the Configurable Input #30.	PC 3.x
40522	Tool Wakeup Switch	Read Only	0: Inactive 1: Active	Tool Wake-up input software state status. Gives software Inactive/Active state	PC 2.x, PC 3.x
40523	Transfer Inhibit Switch	Read Only	0: Inactive 1: Active	Transfer Inhibit input software state status. Gives software Inactive/Active state	PC 3.x
40524	Transfer Inhibit/Configurable Input #20 Switch	Read Only	0: Inactive 1: Active	This is the status of the Configurable Input #20.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40525	Utility CB Inhibit/Configurable Input #25 Switch	Read Only	0: Inactive 1: Active	This is the status of the Configurable Input #25.	PC 3.x
40526	Utility CB Pos B/Configurable Input #23 Switch	Read Only	0: Inactive 1: Active	This is the status of the Configurable Input #23.	PC 3.x
40527	Utility CB Tripped/Configurable Input #24 Switch	Read Only	0: Inactive 1: Active	This is the status of the Configurable Input #24.	PC 3.x
40528	Utility Single Mode Verify/Configurable Input #29 Switch	Read Only	0: Inactive 1: Active	This is the status of the Configurable Input #29.	PC 3.x
40529	Utility CB Inhibit Switch	Read Only	0: Inactive 1: Active	Utility CB Inhibit input software state status. Gives software Inactive/Active state	PC 3.x
40530	Utility CB Pos A Switch	Read Only	0: Inactive 1: Active	Utility CB Pos A input software state status. Gives software Inactive/Active state	PC 3.x
40531	Utility CB Pos B Switch	Read Only	0: Inactive 1: Active	Utility CB Pos B input software state status. Gives software Inactive/Active state	PC 3.x
40532	Utility CB Tripped Switch	Read Only	0: Inactive 1: Active	Utility CB Tripped input software state status. Gives software Inactive/Active state	PC 3.x
40533	Utility Single Mode Verify Switch	Read Only	0: Inactive 1: Active	Utility Single Mode Verify input software state status. Gives software Inactive/Active state	PC 3.x
40534	Voltage Droop Enable Switch	Read Only	0: Inactive 1: Active	Voltage Droop Enable Switch function output status. Gives software Inactive/Active state.	PC 2.x, PC 3.x
40535	Configurable Output #1 Status	Read Only	0: Inactive 1: Active	Indicates if the output's status is Inactive or Active	PC 2.x, PC 3.x
40536	Configurable Output #2 Status	Read Only	0: Inactive 1: Active	Indicates if the output's status is Inactive or Active	PC 2.x, PC 3.x
40537	Configurable Output #20 Status	Read Only	0: Inactive 1: Active	Indicates if the output's status is Inactive or Active	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40538	Configurable Output #21 Status	Read Only	0: Inactive 1: Active	Indicates if the output's status is Inactive or Active	PC 3.x
40539	Configurable Output #22 Status	Read Only	0: Inactive 1: Active	Indicates if the output's status is Inactive or Active	PC 3.x
40540	Configurable Output #3 Status	Read Only	0: Inactive 1: Active	Indicates if the output's status is Inactive or Active	PC 2.x, PC 3.x
40541	Configurable Output #4 Status	Read Only	0: Inactive 1: Active	Indicates if the output's status is Inactive or Active	PC 2.x, PC 3.x
40542	Delayed Off / Configurable Output #10 Status	Read Only	0: Inactive 1: Active	Indicates if the output's status is Inactive or Active	PC 2.x, PC 3.x
40543	Fuel Shutoff Status	Read Only	0: Inactive 1: Active	Indicates if the output's status is Inactive or Active	PC 2.x, PC 3.x
40545	Genset CB Open Status	Read Only	0: Inactive 1: Active	Indicates if the output's status is Inactive or Active	PC 3.x
40546	Hold Power On Driver Status	Read Only	0: Inactive 1: Active	Indicates if the output's status is Inactive or Active	PC 2.x, PC 3.x
40547	Keyswitch Status	Read Only	0: Inactive 1: Active	Indicates if the output's status is Inactive or Active	PC 2.x, PC 3.x
40548	KW/kVAR Load Share Relay Status	Read Only	0: Inactive 1: Active	Indicates if the output's status is Inactive or Active	PC 3.x
40549	Load Dump / Configurable Output #11 Status	Read Only	0: Inactive 1: Active	Indicates if the output's status is Inactive or Active	PC 2.x, PC 3.x
40550	Local Status / Configurable Output #7 Status	Read Only	0: Inactive 1: Active	Indicates if the output's status is Inactive or Active	PC 2.x, PC 3.x
40551	Master First Start Output Status	Read Only	0: Inactive 1: Active	Indicates if the output's status is Inactive or Active	PC 3.x
40552	Oil Priming Pump / Configurable Output #6 Status	Read Only	0: Inactive 1: Active	Indicates if the output's status is Inactive or Active	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40553	Ready To Load /Configurable Output #5 Status	Read Only	0: Inactive 1: Active	Indicates if the output's status is Inactive or Active	PC 2.x, PC 3.x
40554	Run Relay #1 Status	Read Only	0: Inactive 1: Active	Indicates if the output's status is Inactive or Active	PC 2.x, PC 3.x
40555	Run Relay #2 Status	Read Only	0: Inactive 1: Active	Indicates if the output's status is Inactive or Active	PC 2.x, PC 3.x
40556	Speed/Voltage Bias Relay Status	Read Only	0: Inactive 1: Active	Indicates if the output's status is Inactive or Active	PC 3.x
40557	Starter Status	Read Only	0: Inactive 1: Active	Indicates if the output's status is Inactive or Active	PC 2.x, PC 3.x
40558	Tool Wake-up Driver Status	Read Only	0: Inactive 1: Active	Indicates if the output's status is Inactive or Active	PC 2.x, PC 3.x
40559	Utility CB Close Status	Read Only	0: Inactive 1: Active	Indicates if the output's status is Inactive or Active	PC 3.x
40560	Utility CB Open Status	Read Only	0: Inactive 1: Active	Indicates if the output's status is Inactive or Active	PC 3.x
40561	Common Alarm Fault Status	Read Only	0: Inactive 1: Active	The status of the Common Alarm Fault	PC 2.x, PC 3.x
40562	Common Shutdown Command	Read Only	0: Inactive 1: Active	The status of the common shutdown command	PC 2.x, PC 3.x
40563	Common Shutdown Event Status	Read Only	0: Inactive 1: Active	The status of the Common Shutdown Event	PC 2.x, PC 3.x
40564	Common Shutdown w/Cooldown Command	Read Only	0: Inactive 1: Active	The status of the common shutdown w/Cooldown command	PC 3.x
40565	Common Warning Event Status	Read Only	0: Inactive 1: Active	The status of the Common Warning Event	PC 2.x, PC 3.x
40566	Delayed Shutdown Flag	Read Only	0: Inactive 1: Active	Monitor point for the Delayed shutdown flag.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40567	Delayed Shutdown Timer	Read Only	Multiplier : 0.1 Offset: 0 Size (bits): 16 Sign: U Units: Seconds Lower Limit: 0 Upper Limit: 3 Default: NA	Monitor point for the Delayed shutdown timer.	PC 2.x, PC 3.x
40568	Derate Request	Read Only	Multiplier : 1 Offset: 0 Size (bits): 8 Sign: U Units: % Lower Limit: 0 Upper Limit: 100 Default: NA	The requested % derate from the derate request logic.	PC 2.x PC 3.x
40569	Fault Detection Reset	Read Only	0: Inactive 1: Active	The status of the Fault Detection Reset logic.	PC 2.x, PC 3.x
40570	Fault Reset Command	Read Only	0: Inactive 1: Active	One shot due to fault reset switch being active.	PC 2.x, PC 3.x
40571	Remote Shutdown Fault Reset Signal	Read Only	0: Inactive 1: Active	Becomes active when a remote fault reset signal has been initiated.	PC 2.x, PC 3.x
40572	Shutdown Fault Reset	Read Only	0: Inactive 1: Active	The status of the Shutdown Fault reset logic.	PC 2.x, PC 3.x
40573	Battle Short Flag	Read Only	0: Inactive 1: Active	Monitor point indicating the enabled/disabled status of the battle short function	PC 2.x, PC 3.x
40574	Auto Command	Read Only	0: Not Auto 1: Auto	The output of the Auto Command OR logic	PC 2.x, PC 3.x
40575	Auto Command Inputs	Read Only	Multiplier : 1 Offset: 0 Size (bits): 8 Sign: U Units: NA Lower Limit: NA Upper Limit: NA Default: NA	Bitmask to show the inputs to the Command output which are currently on	PC 2.x, PC 3.x
40576	AVR Regulation Mode	Read Only	0: Voltage 1: Current	The operational mode of the AVR as a voltage or a current regulator	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40577	Base Frequency	Read Only	Multiplier: 0.001 Offset: 0 Size (bits): 32 Sign: U Unit: Hz Lower Limit: Upper Limit:	Provides a point to monitor the base frequency	PC 2.x, PC 3.x
40578	Base Frequency	Read Only	Multiplier: 0.001 Offset: 0 Size (bits): 32 Sign: U Unit: Hz Lower Limit: Upper Limit:	Provides a point to monitor the base frequency	PC 2.x, PC 3.x
40579	Battery Charging Fault Integrator	Read Only	Multiplier : 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: Hz Lower Limit: 0 Upper Limit: 300 Default: NA	Time spent while the charger is sensed as failed	PC 2.x, PC 3.x
40580	Control Switch Position	Read Only	0: Off 1: Manual 2: Auto	Current position of the generator set switch panel Off-Run-Auto switch as seen by the generator set control. **SEE ALSO ADDRESS 40010**. NOTE: Both address 40580 and 40010 show the same information however the specification for each is different.	PC 2.x, PC 3.x
40581	Controlled Shutdown Status	Read /Write	0: Inactive 1: Pending 2: Shutdown	Indicates status of the controlled shutdown logic	PC 3.x
40582	Crank Allowed	Read Only	0: False 1: True	Monitor Point indicates if Cranking is Allowed by the Prelube State Machin	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40583	Dead Battery Prevention Counter	Read Only	Multiplier : 1 Offset: 0 Size (bits): 8 Sign: U Units: NA Lower Limit: 0 Upper Limit: 250 Default: NA	Tracks the number of crank attempts in order to limit the attempts when the battery is so low that the control resets	PC 2.x, PC 3.x
40584	Delayed Off Command	Read Only	0: Inactive 1: Active 2: Reserved 3: Not Available	The status of the delayed run command off logic.	PC 2.x, PC 3.x
40586	Excitation State	Read Only	0: Disabled 1: Enabled	Shows the enable status of the excitation enabled = regulator on.	PC 2.x, PC 3.x
40587	Exercise Command	Read Only	0: Inactive 1: Active 2: Reserved 3: Not Available	The output of the Exercise Command OR logic	PC 2.x, PC 3.x
40588	Exercise Command Inputs	Read Only	Multiplier : 1 Offset: 0 Size (bits): 8 Sign: U Units: NA Lower Limit: 0 Upper Limit: 250 Default: NA	Bitmask to show the inputs to the Command output which are currently on	PC 2.x, PC 3.x
40589	Exercise Time Remaining	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: hours Lower Limit: 0 Upper Limit: 25	Time remaining until exercise stop sequence begins	PC 2.x, PC 3.x
40590	Extended Parallel Switch Command	Read Only	0: Stop 1: Start	The output of the Extended Parallel Switch Command OR logic	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40591	Extended Parallel Switch Command Inputs	Read Only	Multiplier : 1 Offset: 0 Size (bits): 8 Sign: U Units: NA Lower Limit: NA Upper Limit: NA Default: NA	Bitmask to show the inputs to the Command output which are currently on	PC 3.x
40592	Battle Short Command	Read Only	0: Inactive 1: Active	Indicates status of battle short inputs	PC 2.x, PC 3.x
40593	Shutdown Fault Override	Read Only	0: Inactive 1: Active	Indicates whether or not the genset will ignore non-critical shutdown faults	PC 2.x, PC 3.x
40595	Final Frequency Reference	Read Only	Multiplier: 0.001 Offset: 0 Size (bits): 32 Sign: U Unit: Hz Lower Limit: 0 Upper Limit: 100	The frequency scaled version of the final speed reference	PC 2.x, PC 3.x
40596	Final Frequency Reference	Read Only	Multiplier: 0.001 Offset: 0 Size (bits): 32 Sign: U Unit: Hz Lower Limit: 0 Upper Limit: 100	The frequency scaled version of the final speed reference	PC 2.x, PC 3.x
40598	Fuel Shutoff Command	Read Only	0: Inactive 1: Active 2: Reserved 3: Not Available	The result of the FSO driver output command logic	PC 2.x, PC 3.x
40599	Genset Run Command	Read Only	0: Emergency Stop 1: Stop 2: Load Demand Stop 3: Run	Genset run / stop states	PC 2.x, PC 3.x
40600	Configurable Input #1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40601	Configurable Input #1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40602	Configurable Input #1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40603	Configurable Input #1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40604	Configurable Input #1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40605	Configurable Input #1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40606	Configurable Input #1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40607	Configurable Input #1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40608	Configurable Input #1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40609	Configurable Input #1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40610	Configurable Input #1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40611	Configurable Input #1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40612	Configurable Input #1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40613	Configurable Input #1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40614	Configurable Input #1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40615	Configurable Input #1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40620	Configurable Input #2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40621	Configurable Input #2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40622	Configurable Input #2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40623	Configurable Input #2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40624	Configurable Input #2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40625	Configurable Input #2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40626	Configurable Input #2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40627	Configurable Input #2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40628	Configurable Input #2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40629	Configurable Input #2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40630	Configurable Input #2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40631	Configurable Input #2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40632	Configurable Input #2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40633	Configurable Input #2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40634	Configurable Input #2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40635	Configurable Input #2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40640	Configurable Input #13 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40641	Configurable Input #13 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40642	Configurable Input #13 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40643	Configurable Input #13 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40644	Configurable Input #13 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40645	Configurable Input #13 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40646	Configurable Input #13 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40647	Configurable Input #13 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40648	Configurable Input #13 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40649	Configurable Input #13 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40650	Configurable Input #13 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40651	Configurable Input #13 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40652	Configurable Input #13 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40653	Configurable Input #13 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40654	Configurable Input #13 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40655	Configurable Input #13 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40660	Configurable Input #14 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40661	Configurable Input #14 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40662	Configurable Input #14 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40663	Configurable Input #14 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40664	Configurable Input #14 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40665	Configurable Input #14 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40666	Configurable Input #14 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40667	Configurable Input #14 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40668	Configurable Input #14 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40669	Configurable Input #14 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40670	Configurable Input #14 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40671	Configurable Input #14 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40672	Configurable Input #14 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40673	Configurable Input #14 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40674	Configurable Input #14 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40675	Configurable Input #14 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Trim to define the 16 character string for use by the Operator panel when this fault becomes active.	PC 2.x, PC 3.x
40709	Device Type (Modlon)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 8 Sign: U Unit: Lower Limit: Upper Limit:	This Modbus register is created for Modlon register mapping. This parameter is not associated with any logical.	PC 3.x
40710	Control Switch Position (Modlon)	Read Only	0: Off 1: Manual 2: Auto	This Modbus register is created for Modlon register mapping.	PC 3.x
40711	Genset Run Sequence State (Modlon)	Read Only	0: Stop 1: Time Delay to Start 2: Warmup at Idle 3: Rated Freq and Voltage 4: Cooldown / Stop Delay 5: Cooldown at Idle 6: Rated to Idle Transition Delay	This Modbus register is created for Modlon register mapping.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40712	Most Recent Fault or Warning (Modlon)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Fault Code Lower Limit: Upper Limit:	This Modbus register is created for Modlon register mapping. This Modbus register is not associated with any logical Address	PC 3.x
40713	Fault Type (Modlon)	Read Only	0: None 1: Warning 2: Derate 3: Shutdown with cooldown 4: Shutdown	This Modbus register is created for Modlon register mapping. This Modbus register is not associated with any logical address.	PC 3.x
40714	Genset % Standby Total kW (Modlon)	Read Only	Multiplier: 0.5 Offset: 0 Size (bits): 16 Sign: U Unit: % Lower Limit: Upper Limit:	This Modbus register is created for Modlon register mapping. Monitors the total generator set standby KW percentage output. Modbus has different multiplier than PCCnet. For Modlon use only, use multiplier 0.5 %	PC 3.x
40715	Genset Total kW (Modlon GenStatus)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: kW Lower Limit: Upper Limit:	This Modbus register is created for Modlon register mapping. Generator set total kW.	PC 3.x

Addr.	Parameter	Access	Specifications	Description	Control
40716	NFPA 110 Logical Status (Modlon)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: U Unit: Lower Limit: Upper Limit:	This Modbus register is created for Modlon register mapping. 32–bit number to represent the status of the NFPA 110 logical. See NFPA110 bitmap. (See **Table 3 on page 42**).	PC 3.x
40717	NFPA 110 Logical Status (Modlon)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: U Unit: Lower Limit: Upper Limit:	This Modbus register is created for Modlon register mapping. 32-bit number to represent the status of the NFPA 110 logical. (See **Table 3 on page 42**).	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40718	Genset Frequency OP (Modlon)	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: Hz Lower Limit: Upper Limit:	This Modbus register is created for Modlon register mapping. Generator set Frequency OP. Modbus has different multiplier than PCCNet. For Modlon use only, Multiplier/Units = 0.1 Hz	PC 3.x
40719	Genset Total Power Factor (Modlon)	Read Only	Multiplier: 0.00005 Offset: 0 Size (bits): 16 Sign: S Unit: PF Lower Limit: Upper Limit:	This Modbus register is created for Modlon register mapping. Generator set total power factor (L1+L2+L3). Modbus and PCCNet has different multiplier value. For Modlon, use 0.00005 PF.	PC 3.x
40720	Genset Total kVA (Modlon)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: kVA Lower Limit: Upper Limit:	This Modbus register is created for Modlon register mapping. Generator set total kVA	PC 3.x
40721	Genset Total kW (Modlon GenACData)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: kW Lower Limit: Upper Limit:	This Modbus register is created for Modlon register mapping. Generator set total kW in Gen AC Data.	PC 3.x
40722	Genset Total kVAR (Modlon)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: kVAR Lower Limit: Upper Limit:	This Modbus register is created for Modlon register mapping. Generator set total kVAR	PC 3.x
40723	Genset L1L2 Voltage (Modlon)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: Upper Limit:	This Modbus register is created for Modlon register mapping. Generator set L1L2 voltage	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40724	Genset L2L3 Voltage (Modlon)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: Upper Limit:	This Modbus register is created for Modlon register mapping. Generator set L2L3 voltage	PC 3.x
40725	Genset L3L1 Voltage (Modlon)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: Upper Limit:	This Modbus register is created for Modlon register mapping. Generator set L3L1 voltage	PC 3.x
40726	Genset L1N Voltage (Modlon)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: Upper Limit:	This Modbus register is created for Modlon register mapping. Generator set L1N voltage	PC 3.x
40727	Genset L2N Voltage (Modlon)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: Upper Limit:	This Modbus register is created for Modlon register mapping. Generator set L2N voltage	PC 3.x
40728	Genset L3N Voltage (Modlon)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: Upper Limit:	This Modbus register is created for Modlon register mapping. Generator set L3N voltage	PC 3.x
40729	Genset L1 Current (Modlon)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Amps Lower Limit: Upper Limit:	Monitors the generator set L1 current value.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40730	Genset L2 Current (Modlon)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Amps Lower Limit: Upper Limit:	Generator set L2 current	PC 3.x
40731	Genset L3 Current (Modlon)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Amps Lower Limit: Upper Limit:	This Modbus register is created for Modlon register mapping. Generator set L3 current	PC 3.x
40732	Genset % Standby L1 Current (Modlon)	Read Only	Multiplier: 0.5 Offset: 0 Size (bits): 16 Sign: U Unit: % Lower Limit: Upper Limit:	This Modbus register is created for Modlon register mapping. Monitors the generator set standby L1 current percentage output. Modbus and PCCNet have different multiplier value. For Modlon use 0.5 %	PC 3.x
40733	Genset % Standby L2 Current (Modlon)	Read Only	Multiplier: 0.5 Offset: 0 Size (bits): 16 Sign: U Unit: % Lower Limit: Upper Limit:	This Modbus register is created for Modlon register mapping. Monitors the generator set standby L2 current percentage output. Modbus and PCCNet has different multiplier value. For Modlon, use 0.5 %	PC 3.x
40734	Genset % Standby L3 Current (Modlon)	Read Only	Multiplier: 0.5 Offset: 0 Size (bits): 16 Sign: U Unit: % Lower Limit: Upper Limit:	This Modbus register is created for Modlon register mapping. Monitors the generator set standby L3 current percentage output. Modbus and PCCNet has different multiplier value. For Modlon use 0.5 %	PC 3.x
40735	Battery Voltage (Modlon)	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: Vdc Lower Limit: Upper Limit:	This Modbus register is created for Modlon register mapping. Battery voltage value. Modbus and PCCNet has different multiplier value. For Modlon use 0.1volts	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40736	Oil Pressure (Modlon)	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: kPa Lower Limit: Upper Limit:	This Modbus register is created for Modlon register mapping. Monitor point for the Oil Pressure. Modbus and PCCNet have different multiplier value. For Modlon, use 0.1 KPA	PC 3.x
40737	Oil Temperature (Modlon)	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: degK Lower Limit: Upper Limit:	This Modbus register is created for Modlon register mapping. Monitor point for the Oil Temperature. Modbus and PCCNet has different multiplier value. For Modlon use 0.1 deg Kelvin	PC 3.x
40738	Coolant Temperature (Modlon)	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: degK Lower Limit: Upper Limit:	This Modbus register is created for Modlon register mapping. Monitor point for the Coolant Temperature. Modbus and PCCNet has different multiplier value. For Modlon, use 0.1deg Kelvin.	PC 3.x
40739	Intake Manifold Temperature (Modlon)	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: degK Lower Limit: -40 Upper Limit: 410	This Modbus register is created for Modlon register mapping. To monitor Intake Manifold Temperature. Modbus and PCCNet has different multiplier value. For Modlon, use 0.1 deg Kelvin	PC 3.x
40740	Fuel Temperature (Modlon)	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: degK Lower Limit: -40 Upper Limit: 410	This Modbus register is created for Modlon register mapping. Monitor point for the Fuel Temperature. Modbus and PCCNet has different multiplier value. For Modlon, use 0.1 deg Kelvin.	PC 3.x
40741	Fuel Rate (Modlon)	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: U Unit: gal/hr Lower Limit: Upper Limit:	This Modbus register is created for Modlon register mapping. Monitor point for the Fuel Rate. Modbus and PCCNet has different multiplier value. For Modlon, use 0.01 gph	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40742	Average Engine Speed (Modlon)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: RPM Lower Limit: Upper Limit:	This Modbus register is created for Modlon register mapping. Monitor point for the Average Engine Speed. Modbus and PCCNet have different multiplier value. For Modlon, use 1 RPM.	PC 3.x
40743	Total Number of Runs (Modlon)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: U Unit: Lower Limit: 0 Upper Limit: 4294967295	This Modbus register is created for Modlon register mapping. Total number of generator set runs.	PC 3.x
40744	Engine Running Time (Modlon)	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: Upper Limit:	This Modbus register is created for Modlon register mapping. Total engine run time. Modbus has different multiplier than PCCNet. For Modbus, use 0.1 sec	PC 3.x
40745	Engine Running Time (Modlon)	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: Upper Limit:	This Modbus register is created for Modlon register mapping. Total engine run time. Modbus has different multiplier than PCCNet. For Modbus, use 0.1 sec	PC 3.x
40746	Genset Total Net kWh (Modlon)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: S Unit: kWh Lower Limit: -2147483648 Upper Limit: 2147483643	This Modbus register is created for Modlon register mapping. Generator set total net kWh accumulation	PC 3.x
40747	Genset Total Net kWh (Modlon)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: S Unit: kWh Lower Limit: -2147483648 Upper Limit: 2147483643	This Modbus register is created for Modlon register mapping. Generator set total net kWh accumulation	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40748	Total Fuel Consumption (Modlon)	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 32 Sign: U Unit: gallons Lower Limit: Upper Limit:	This Modbus register is created for Modlon register mapping. Total fuel consumption since start of engine. Modbus and PCCNet has different multiplier value. For Modlon, use 0.01 Gallons	PC 3.x
40749	Total Fuel Consumption (Modlon)	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 32 Sign: U Unit: gallons Lower Limit: Upper Limit:	This Modbus register is created for Modlon register mapping. Total fuel consumption since start of engine. Modbus and PCCNet has different multiplier value. For Modlon, use 0.01 Gallons	PC 3.x
40750	Utility/Genset Bus Frequency (Modlon)	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: Hz Lower Limit: Upper Limit:	This Modbus register is created for Modlon register mapping. Utility line frequency or Generator set Bus Frequency depending on Paralleling Application. Modbus and PCCNet has different multiplier value. For Modlon, use 0.1 Hz.	PC 3.x
40751	Utility/Genset Bus L1L2 Voltage (Modlon)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: Upper Limit:	This Modbus register is created for Modlon register mapping. Utility L1L2 Voltage or Generator set Bus L1L2 voltage depending on paralleling application.	PC 3.x
40752	Utility/Genset Bus L2L3 Voltage (Modlon)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: Upper Limit:	This Modbus register is created for Modlon register mapping. Utility L2L3 voltage	PC 3.x
40753	Utility/Genset Bus L3L1 Voltage (Modlon)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: Upper Limit:	This Modbus register is created for Modlon register mapping. Utility L3L1 voltage or Generator set Bus L3L1 voltage depending on paralleling application.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40754	Utility/Genset Bus L1N Voltage (Modlon)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: Upper Limit:	This Modbus register is created for Modlon register mapping. Utility L1N voltage or Generator set Bus L1N voltage depending on paralleling application.	PC 3.x
40755	Utility/Genset Bus L2N Voltage (Modlon)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: Upper Limit:	This Modbus register is created for Modlon register mapping. Utility L2N voltage or Generator set Bus L2N voltage depending on paralleling application.	PC 3.x
40756	Utility/Genset Bus L3N Voltage (Modlon)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: Upper Limit:	This Modbus register is created for Modlon register mapping. Utility L3N voltage or Generator set Bus L3N voltage depending on paralleling application.	PC 3.x
40757	Customer Faults (Modlon)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	This Modbus register is created for Modlon register mapping. 16 bit fault bitmap for Modbus interface.	PC 3.x
40760	ES State (Modlon)	Read Only	0: Standby 1: Dead Bus 2: Synchronize 3: Load Share 4: Load Goven	This Modbus register is created for Modlon register mapping. Internal paralleling status variable	PC 3.x
40761	Load Demand Stop Command (Modlon)	Read Only	0: Inactive 1: Active	This Modbus register is created for Modlon register mapping. Modbus input for load demand stop command.	PC 3.x
40764	Genset CB Position Status (Modlon)	Read Only	0: Open 1: Closed 2: Not Available	This Modbus register is created for Modlon register mapping. indicates generator set breaker position	PC 3.x
40765	Utility CB Position Status (Modlon)	Read Only	0: Open 1: Closed 2: Not Available	This Modbus register is created for Modlon register mapping. indicates utility breaker position	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40766	Remote Start Switch(Modlon)	Read/Write	0: Inactive 1: Active	This Modbus register is created for Modlon register mapping. Modbus Remote Start	PC 3.x
40767	Fault Reset (Modlon)	Read/Write	0: Inactive 1: Active	This Modbus register is created for Modlon register mapping. Modbus fault reset.	PC 3.x
40768	System Network Datalink Status	Read Only	0: Inactive 1: Active 2: Failed	Indicates communication status of the local genset on System Network (used for load demand). Available on PCC3300MLD controls only.	PC 3.x
40769	Load Demand Genset Run Hours (Upper Register value)	Read/Write	Multiplier: 1 Offset: 0 Size: 32 Sign: U Units: Hours Lower Limit: 0 Upper Limit: 999999.9 Default: 0	Run hour accumulator used for load demand run hour equalization. This is writable. Available on PCC3300MLD controls only.	PC 3.x
40770	Load Demand Genset Run Hours (Lower Register value)	Read/Write	Multiplier: 1 Offset: 0 Size: 32 Sign: U Units: Hours Lower Limit: 0 Upper Limit: 999999.9 Default: 0	Run hour accumulator used for load demand run hour equalization. This is writable. Available on PCC3300MLD controls only.	PC 3.x
40771	Load Demand Spare Capacity Request Status	Read Only	0: Inactive 1: Active	Indicates the status of the spare capacity request input. When ACTIVE additional spare capacity (set by Load Demand Spare Capacity Request Value) is requested. Available on PCC3300MLD controls only.	PC 3.x
40772	System Network Termination Resistor Switch Status	Read Only	0: On 1: Off	Indicates the status of the on-board CAN termination resistor switch (S1). Available on PCC3300MLD controls only.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40773	Genset ID	Read/Write	0: Gen1 9: Gen10 1: Gen2 10: Gen11 2: Gen3 11: Gen12 3: Gen4 12: Gen13 4: Gen5 13: Gen14 5: Gen6 14: Gen15 6: Gen7 15: Gen16 7: Gen8 8: Gen9	Genset identifier. All load demand gensets must have a unique Genset ID. Available on PCC3300MLD controls only. Setup Mode must be enabled to modify the value. See Modbus Address 43343.	PC 3.x
40774	Load Demand Spare Capacity Request Value (Upper Register value)	Read/Write	Multiplier: 1 Offset: 0 Size(Bits): 32 Sign: U Units: kW Lower Limit: 0 Upper Limit: 80000 Default: 0	Sets the kW value of additional capacity to be requested from the system when the Load Demand Spare Capacity Request Status is YES. Available on PCC3300MLD controls only. Setup Mode must be enabled to modify the value. See Modbus Address 43343.	PC 3.x
40775	Load Demand Spare Capacity Request Value (Lower Register value)	Read/Write	Multiplier: 1 Offset: 0 Size(Bits): 32 Sign: U Units: kW Lower Limit: 0 Upper Limit: 80000 Default: 0	Sets the kW value of additional capacity to be requested from the system when the Load Demand Spare Capacity Request Status is YES. Available on PCC3300MLD controls only. Setup Mode must be enabled to modify the value. See Modbus Address 43343.	PC 3.x
40776	Load Demand Genset Enable	Read/Write	0: Disable 1: Enable	Disables or Enables load demand on this genset only. When set to disable the genset is not included in the load demand system and can be removed without triggering a com error. Available on PCC3300MLD controls only. Setup Mode must be enabled to modify the value. See Modbus Address 43343.	PC 3.x
40777	System Settings Status	Read Only	0: Out of Sync 1: In Sync	Indicates whether the system settings on the local genset are in sync with ones from other genset in the network. Available on PCC3300MLD controls only.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40800	Aux101 1 Input 8 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
40801	Aux101 1 Input 8 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
40802	Aux101 1 Input 8 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
40803	Aux101 1 Input 8 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
40804	Aux101 1 Input 8 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
40805	Aux101 1 Input 8 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40806	Aux101 1 Input 8 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
40807	Aux101 1 Input 8 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
40808	Aux101 1 Input 8 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
40809	Aux101 1 Input 8 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
40810	Aux101 1 Input 8 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
40811	Aux101 1 Input 8 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40812	Aux101 1 Input 8 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
40813	Aux101 1 Input 8 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
40814	Aux101 1 Input 8 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
40815	Aux101 1 Input 8 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
40816	Aux101 1 Input 8 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
40817	Aux101 1 Input 8 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40818	Aux101 1 Input 8 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
40819	Aux101 1 Input 8 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
40820	Aux101 1 Input 7 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
40821	Aux101 1 Input 7 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
40822	Aux101 1 Input 7 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
40823	Aux101 1 Input 7 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40824	Aux101 1 Input 7 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
40825	Aux101 1 Input 7 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
40826	Aux101 1 Input 7 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
40827	Aux101 1 Input 7 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
40828	Aux101 1 Input 7 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
40829	Aux101 1 Input 7 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40830	Aux101 1 Input 7 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
40831	Aux101 1 Input 7 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
40832	Aux101 1 Input 7 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
40833	Aux101 1 Input 7 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
40834	Aux101 1 Input 7 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
40835	Aux101 1 Input 7 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40836	Aux101 1 Input 7 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
40837	Aux101 1 Input 7 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
40838	Aux101 1 Input 7 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
40839	Aux101 1 Input 7 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
40840	Aux102 0 Fault 9 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40841	Aux102 0 Fault 9 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40842	Aux102 0 Fault 9 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40843	Aux102 0 Fault 9 Text	Read/Write	Multiplier: 1	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40844	Aux102 0 Fault 9 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40845	Aux102 0 Fault 9 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40846	Aux102 0 Fault 9 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40847	Aux102 0 Fault 9 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40848	Aux102 0 Fault 9 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40849	Aux102 0 Fault 9 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40850	Aux102 0 Fault 9 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40851	Aux102 0 Fault 9 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40852	Aux102 0 Fault 9 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40853	Aux102 0 Fault 9 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40854	Aux102 0 Fault 9 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40855	Aux102 0 Fault 9 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40856	Aux102 0 Fault 9 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40857	Aux102 0 Fault 9 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40858	Aux102 0 Fault 9 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40859	Aux102 0 Fault 9 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40860	Aux102 0 Fault 10 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40861	Aux102 0 Fault 10 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40862	Aux102 0 Fault 10 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40863	Aux102 0 Fault 10 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40864	Aux102 0 Fault 10 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40865	Aux102 0 Fault 10 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40866	Aux102 0 Fault 10 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40867	Aux102 0 Fault 10 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40868	Aux102 0 Fault 10 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40869	Aux102 0 Fault 10 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40870	Aux102 0 Fault 10 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40871	Aux102 0 Fault 10 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40872	Aux102 0 Fault 10 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40873	Aux102 0 Fault 10 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40874	Aux102 0 Fault 10 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40875	Aux102 0 Fault 10 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40876	Aux102 0 Fault 10 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40877	Aux102 0 Fault 10 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40878	Aux102 0 Fault 10 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40879	Aux102 0 Fault 10 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40880	Aux102 0 Fault 11 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40881	Aux102 0 Fault 11 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40882	Aux102 0 Fault 11 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40883	Aux102 0 Fault 11 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40884	Aux102 0 Fault 11 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40885	Aux102 0 Fault 11 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40886	Aux102 0 Fault 11 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40887	Aux102 0 Fault 11 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40888	Aux102 0 Fault 11 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40889	Aux102 0 Fault 11 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40890	Aux102 0 Fault 11 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40891	Aux102 0 Fault 11 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40892	Aux102 0 Fault 11 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40893	Aux102 0 Fault 11 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40894	Aux102 0 Fault 11 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40895	Aux102 0 Fault 11 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40896	Aux102 0 Fault 11 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40897	Aux102 0 Fault 11 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40898	Aux102 0 Fault 11 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40899	Aux102 0 Fault 11 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40900	Aux102 0 Fault 12 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40901	Aux102 0 Fault 12 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40902	Aux102 0 Fault 12 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40903	Aux102 0 Fault 12 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40904	Aux102 0 Fault 12 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40905	Aux102 0 Fault 12 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40906	Aux102 0 Fault 12 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40907	Aux102 0 Fault 12 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40908	Aux102 0 Fault 12 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40909	Aux102 0 Fault 12 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40910	Aux102 0 Fault 12 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40911	Aux102 0 Fault 12 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40912	Aux102 0 Fault 12 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40913	Aux102 0 Fault 12 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40914	Aux102 0 Fault 12 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x

Addr.	Parameter	Access	Specifications	Description	Control
40915	Aux102 0 Fault 12 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40916	Aux102 0 Fault 12 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40917	Aux102 0 Fault 12 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40918	Aux102 0 Fault 12 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40919	Aux102 0 Fault 12 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40920	Aux102 1 Fault 9 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40921	Aux102 1 Fault 9 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40922	Aux102 1 Fault 9 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40923	Aux102 1 Fault 9 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40924	Aux102 1 Fault 9 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40925	Aux102 1 Fault 9 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40926	Aux102 1 Fault 9 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40927	Aux102 1 Fault 9 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40928	Aux102 1 Fault 9 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40929	Aux102 1 Fault 9 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40930	Aux102 1 Fault 9 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40931	Aux102 1 Fault 9 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40932	Aux102 1 Fault 9 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40933	Aux102 1 Fault 9 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40934	Aux102 1 Fault 9 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40935	Aux102 1 Fault 9 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40936	Aux102 1 Fault 9 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40937	Aux102 1 Fault 9 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40938	Aux102 1 Fault 9 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40939	Aux102 1 Fault 9 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40940	Aux102 1 Fault 10 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40941	Aux102 1 Fault 10 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40942	Aux102 1 Fault 10 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40943	Aux102 1 Fault 10 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40944	Aux102 1 Fault 10 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40945	Aux102 1 Fault 10 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40946	Aux102 1 Fault 10 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40947	Aux102 1 Fault 10 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40948	Aux102 1 Fault 10 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40949	Aux102 1 Fault 10 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40950	Aux102 1 Fault 10 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40951	Aux102 1 Fault 10 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40952	Aux102 1 Fault 10 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40953	Aux102 1 Fault 10 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40954	Aux102 1 Fault 10 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40955	Aux102 1 Fault 10 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40956	Aux102 1 Fault 10 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40957	Aux102 1 Fault 10 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40958	Aux102 1 Fault 10 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40959	Aux102 1 Fault 10 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40960	Aux102 1 Fault 11 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40961	Aux102 1 Fault 11 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40962	Aux102 1 Fault 11 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40963	Aux102 1 Fault 11 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40964	Aux102 1 Fault 11 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40965	Aux102 1 Fault 11 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40966	Aux102 1 Fault 11 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40967	Aux102 1 Fault 11 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40968	Aux102 1 Fault 11 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40969	Aux102 1 Fault 11 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40970	Aux102 1 Fault 11 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40971	Aux102 1 Fault 11 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40972	Aux102 1 Fault 11 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40973	Aux102 1 Fault 11 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40974	Aux102 1 Fault 11 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40975	Aux102 1 Fault 11 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40976	Aux102 1 Fault 11 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40977	Aux102 1 Fault 11 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40978	Aux102 1 Fault 11 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40979	Aux102 1 Fault 11 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40980	Aux102 1 Fault 12 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40981	Aux102 1 Fault 12 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40982	Aux102 1 Fault 12 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40983	Aux102 1 Fault 12 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40984	Aux102 1 Fault 12 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40985	Aux102 1 Fault 12 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40986	Aux102 1 Fault 12 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40987	Aux102 1 Fault 12 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40988	Aux102 1 Fault 12 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40989	Aux102 1 Fault 12 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40990	Aux102 1 Fault 12 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40991	Aux102 1 Fault 12 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40992	Aux102 1 Fault 12 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40993	Aux102 1 Fault 12 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40994	Aux102 1 Fault 12 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40995	Aux102 1 Fault 12 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40996	Aux102 1 Fault 12 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
40997	Aux102 1 Fault 12 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40998	Aux102 1 Fault 12 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
40999	Aux102 1 Fault 12 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
41000	Load Demand System Enable	Read/Write	0: Disable 1: Enable	Disables or Enables load demand operation of all connected gensets. Available on PCC3300MLD controls only.	PC 3.x
41001	Load Demand Type	Read/Write	0: Run Hours Equalization (Run Hr Eql) 1: Fixed Sequence (Fixed Seq)	Sets the sequencing priority for load demand. Available on PCC3300MLD controls only.	PC 3.x
41002	Load Demand Threshold Method	Read/Write	0: kW 1: %kW	Sets whether the load demand start/stop control is based on a relative (%) or absolute (kW) threshold. Available on PCC3300MLD controls only.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
41003	Load Demand Start Threshold (%kW)	Read/Write	Multiplier: 1 Offset: 0 Size(Bits): 8 Sign: U Units: % Lower Limit: 25 Upper Limit: 100 Default: 80	When the ratio of load to capacity is greater than this value the next genset will start. Must be greater than Load Demand Stop Threshold by at least 5%. Available on PCC3300MLD controls only.	PC 3.x
41004	Load Demand Start Threshold (kW)	Read/Write	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: kW Lower Limit: 5 Upper Limit: 5000 Default: 500	When surplus capacity is less than this value the next genset will start. Must be less than Load Demand Stop Threshold (kW). Available on PCC3300MLD controls only.	PC 3.x
41005	Load Demand Stop Threshold (%kW)	Read/Write	Multiplier: 1 Offset: 0 Size(Bits): 8 Sign: U Units: % Lower Limit: 20 Upper Limit: 95 Default: 60	When the ratio of load to capacity is less than this value the next genset will stop. Must be less than Load Demand Start Threshold by at least 5%. Available on PCC3300MLD controls only.	PC 3.x
41006	Load Demand Stop Threshold (kW)	Read/Write	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: kW Lower Limit: 5 Upper Limit: 5000 Default: 1000	When surplus capacity is greater than this value the next genset will stop. Must be greater than Load Demand Start Threshold (kW). Available on PCC3300MLD controls only.	PC 3.x
41007	Load Demand Run Hours Differential	Read/Write	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: Hours Lower Limit: 1 Upper Limit: 250 Default: 50	When the difference between Load Demand Genset Run Hours between any running genset and any stopped genset reaches this value the stopped genset will be started. Available on PCC3300MLD controls only.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
41008	Load Demand Genset Fail Delay	Read/Write	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: seconds Lower Limit: 10 Upper Limit: 900 Default: 60	Sets the time delay that the system waits for a genset to come online before declaring it as failed. Available on PCC3300MLD controls only.	PC 3.x
41009	Load Demand Initial Delay	Read/Write	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: seconds Lower Limit: 60 Upper Limit: 1500 Default: 300	Sets the time delay before gensets are allowed to stop after initial start or after resuming halted load demand. Available on PCC3300MLD controls only.	PC 3.x
41010	Load Demand Start Delay	Read/Write	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: seconds Lower Limit: 0 Upper Limit: 1500 Default: 10	Sets the time delay before next genset is allowed to start. Available on PCC3300MLD controls only.	PC 3.x
41011	Load Demand Stop Delay	Read/Write	Multiplier: 1 Offset: 0 Size(Bits): 16 Sign: U Units: seconds Lower Limit: 60 Upper Limit: 1500 Default: 300	Sets the time delay before next genset is allowed to stop. Available on PCC3300MLD controls only.	PC 3.x
41012	Clear Lost Gensets Local	Read/Write	0: No 1: Yes	When set to YES all gensets in state ”Lost” will change to state ”Gen Does Not Exist” in order to clear Lost Genset Warning. Available on PCC3300MLD controls only.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
41013	Load Demand Fixed Priority 1	Read/Write	0: Gen1 1: Gen2 2: Gen3 3: Gen4 4: Gen5 5: Gen6 6: Gen7 7: Gen8 8: Gen9 9: Gen10 10: Gen11 11: Gen12 12: Gen13 13: Gen14 14: Gen15 15: Gen16	Assigns a genset to fixed priority 1. Used when Load Demand Type is set to Fixed Sequence. Available on PCC3300MLD controls only.	PC 3.x
41014	Load Demand Fixed Priority 2	Read/Write	0: Gen1 1: Gen2 2: Gen3 3: Gen4 4: Gen5 5: Gen6 6: Gen7 7: Gen8 8: Gen9 9: Gen10 10: Gen11 11: Gen12 12: Gen13 13: Gen14 14: Gen15 15: Gen16	Assigns a genset to fixed priority 2. Used when Load Demand Type is set to Fixed Sequence. Available on PCC3300MLD controls only.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
41015	Load Demand Fixed Priority 3	Read/Write	0: Gen1 1: Gen2 2: Gen3 3: Gen4 4: Gen5 5: Gen6 6: Gen7 7: Gen8 8: Gen9 9: Gen10 10: Gen11 11: Gen12 12: Gen13 13: Gen14 14: Gen15 15: Gen16	Assigns a genset to fixed priority 3. Used when Load Demand Type is set to Fixed Sequence. Available on PCC3300MLD controls only.	PC 3.x
41016	Load Demand Fixed Priority 4	Read/Write	0: Gen1 1: Gen2 2: Gen3 3: Gen4 4: Gen5 5: Gen6 6: Gen7 7: Gen8 8: Gen9 9: Gen10 10: Gen11 11: Gen12 12: Gen13 13: Gen14 14: Gen15 15: Gen16	Assigns a genset to fixed priority 4. Used when Load Demand Type is set to Fixed Sequence. Available on PCC3300MLD controls only.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
41017	Load Demand Fixed Priority 5	Read/Write	0: Gen1 1: Gen2 2: Gen3 3: Gen4 4: Gen5 5: Gen6 6: Gen7 7: Gen8 8: Gen9 9: Gen10 10: Gen11 11: Gen12 12: Gen13 13: Gen14 14: Gen15 15: Gen16	Assigns a genset to fixed priority 5. Used when Load Demand Type is set to Fixed Sequence. Available on PCC3300MLD controls only.	PC 3.x
41018	Load Demand Fixed Priority 6	Read/Write	0: Gen1 1: Gen2 2: Gen3 3: Gen4 4: Gen5 5: Gen6 6: Gen7 7: Gen8 8: Gen9 9: Gen10 10: Gen11 11: Gen12 12: Gen13 13: Gen14 14: Gen15 15: Gen16	Assigns a genset to fixed priority 6. Used when Load Demand Type is set to Fixed Sequence. Available on PCC3300MLD controls only.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
41019	Load Demand Fixed Priority 7	Read/Write	0: Gen1 1: Gen2 2: Gen3 3: Gen4 4: Gen5 5: Gen6 6: Gen7 7: Gen8 8: Gen9 9: Gen10 10: Gen11 11: Gen12 12: Gen13 13: Gen14 14: Gen15 15: Gen16	Assigns a genset to fixed priority 7. Used when Load Demand Type is set to Fixed Sequence. Available on PCC3300MLD controls only.	PC 3.x
41020	Load Demand Fixed Priority 8	Read/Write	0: Gen1 1: Gen2 2: Gen3 3: Gen4 4: Gen5 5: Gen6 6: Gen7 7: Gen8 8: Gen9 9: Gen10 10: Gen11 11: Gen12 12: Gen13 13: Gen14 14: Gen15 15: Gen16	Assigns a genset to fixed priority 8. Used when Load Demand Type is set to Fixed Sequence. Available on PCC3300MLD controls only.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
41021	Load Demand Fixed Priority 9	Read/Write	0: Gen1 1: Gen2 2: Gen3 3: Gen4 4: Gen5 5: Gen6 6: Gen7 7: Gen8 8: Gen9 9: Gen10 10: Gen11 11: Gen12 12: Gen13 13: Gen14 14: Gen15 15: Gen16	Assigns a genset to fixed priority 9. Used when Load Demand Type is set to Fixed Sequence. Available on PCC3300MLD controls only.	PC 3.x
41022	Load Demand Fixed Priority 10	Read/Write	0: Gen1 1: Gen2 2: Gen3 3: Gen4 4: Gen5 5: Gen6 6: Gen7 7: Gen8 8: Gen9 9: Gen10 10: Gen11 11: Gen12 12: Gen13 13: Gen14 14: Gen15 15: Gen16	Assigns a genset to fixed priority 10. Used when Load Demand Type is set to Fixed Sequence. Available on PCC3300MLD controls only.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
41023	Load Demand Fixed Priority 11	Read/Write	0: Gen1 1: Gen2 2: Gen3 3: Gen4 4: Gen5 5: Gen6 6: Gen7 7: Gen8 8: Gen9 9: Gen10 10: Gen11 11: Gen12 12: Gen13 13: Gen14 14: Gen15 15: Gen16	Assigns a genset to fixed priority 11. Used when Load Demand Type is set to Fixed Sequence. Available on PCC3300MLD controls only.	PC 3.x
41024	Load Demand Fixed Priority 12	Read/Write	0: Gen1 1: Gen2 2: Gen3 3: Gen4 4: Gen5 5: Gen6 6: Gen7 7: Gen8 8: Gen9 9: Gen10 10: Gen11 11: Gen12 12: Gen13 13: Gen14 14: Gen15 15: Gen16	Assigns a genset to fixed priority 12. Used when Load Demand Type is set to Fixed Sequence. Available on PCC3300MLD controls only.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
41025	Load Demand Fixed Priority 13	Read/Write	0: Gen1 1: Gen2 2: Gen3 3: Gen4 4: Gen5 5: Gen6 6: Gen7 7: Gen8 8: Gen9 9: Gen10 10: Gen11 11: Gen12 12: Gen13 13: Gen14 14: Gen15 15: Gen16	Assigns a genset to fixed priority 13. Used when Load Demand Type is set to Fixed Sequence. Available on PCC3300MLD controls only.	PC 3.x
41026	Load Demand Fixed Priority 14	Read/Write	0: Gen1 1: Gen2 2: Gen3 3: Gen4 4: Gen5 5: Gen6 6: Gen7 7: Gen8 8: Gen9 9: Gen10 10: Gen11 11: Gen12 12: Gen13 13: Gen14 14: Gen15 15: Gen16	Assigns a genset to fixed priority 14. Used when Load Demand Type is set to Fixed Sequence. Available on PCC3300MLD controls only.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
41027	Load Demand Fixed Priority 15	Read/Write	0: Gen1 1: Gen2 2: Gen3 3: Gen4 4: Gen5 5: Gen6 6: Gen7 7: Gen8 8: Gen9 9: Gen10 10: Gen11 11: Gen12 12: Gen13 13: Gen14 14: Gen15 15: Gen16	Assigns a genset to fixed priority 15. Used when Load Demand Type is set to Fixed Sequence. Available on PCC3300MLD controls only.	PC 3.x
41028	Load Demand Fixed Priority 16	Read/Write	0: Gen1 1: Gen2 2: Gen3 3: Gen4 4: Gen5 5: Gen6 6: Gen7 7: Gen8 8: Gen9 9: Gen10 10: Gen11 11: Gen12 12: Gen13 13: Gen14 14: Gen15 15: Gen16	Assigns a genset to fixed priority 16. Used when Load Demand Type is set to Fixed Sequence. Available on PCC3300MLD controls only.	PC 3.x
41029	System Network Remote Fault Reset	Read/Write	0: Inactive 1: Active	When set to YES all the system network faults in the system would be reset. Available on PCC3300MLD controls only.	PC 3.x
41030	Synchronize System Settings	Read/Write	0: No 1: Yes	When set to YES system settings from the genset will be broadcasted and synchronized to all other gensets in the network. Available on PCC3300MLD controls only.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
41031	Battery Charger 2 Failed Switch	Read Only	0: Inactive 1: Active	Battery Charger 2 Failed Switch function output status; gives software Inactive/Active state	PC 3.x
41032	Battery Charger 3 Failed Switch	Read Only	0: Inactive 1: Active	Battery Charger 3 Failed Switch function output status; gives software Inactive/Active state	PC 3.x
41033	Battery Charger 4 Failed Switch	Read Only	0: Inactive 1: Active	Battery Charger 4 Failed Switch function output status; gives software Inactive/Active state	PC 3.x
41034	Intake Air Restriction Indicator 1 fault switch	Read Only	0: Inactive 1: Active	Intake Air Restriction Indicator 1 fault switch function output status; gives software Inactive/Active state	PC 3.x
41035	Intake Air Restriction Indicator 2 fault switch	Read Only	0: Inactive 1: Active	Intake Air Restriction Indicator 2 fault switch function output status; gives software Inactive/Active state	PC 3.x
41036	Intake Air Restriction Indicator 3 fault switch	Read Only	0: Inactive 1: Active	Intake Air Restriction Indicator 3 fault switch function output status; gives software Inactive/Active state	PC 3.x
41037	Intake Air Restriction Indicator 4 fault switch	Read Only	0: Inactive 1: Active	Intake Air Restriction Indicator 4 fault switch function output status; gives software Inactive/Active state	PC 3.x
41038	Starter Air Supply Pressure Low Fault Switch	Read Only	0: Inactive 1: Active	Starter Air Supply Pressure Low Fault Switch function output status; gives software Inactive/Active	PC 3.x
41039	Starter Air Tank Volume Low Fault Switch	Read Only	0: Inactive 1: Active	Starter Air Tank Volume Low Fault Switch function output status; gives software Inactive/Active state	PC 3.x
41300	AmpSentry Maintenance Mode Status	Read Only	0: Inactive 1: Active	A protection mode that causes the alternator to shutdown instantly when a short circuit is detected. Used to limit arc flash energy with personnel working	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
41301	AMM PC Tool Detected	Read Only	0: Inactive 1: Active	Detects whether any service tool is connected via TB15 or J14 by validating if a read/write command has been exchanged via MON using a five second decremental timer. If the timer expires, then it is determine service tool is no longer connected.	PC 3.x
41302	AMM Disable Walkaway Timer Value	Read Only	Multiplier : 1 Units: Seconds Offset: 0 Lower Limit: NA Size (Bits) : 16 Upper Limit: NA Sign: U Default: NA	Countdown timer when walkaway is complete.	PC 3.x
41400	Fault Status Bitmap 31	Read Only	Multiplier : 1 Units: NA Offset: 0 Lower Limit: 0 Size (Bits) : 16 Upper Limit: 65535 Sign: U Default: NA	16 bit fault bitmap for Modbus interface.	PC 3.x
41401	Fault Status Bitmap 33	Read Only	Multiplier : 1 Units: NA Offset: 0 Lower Limit: 0 Size (Bits) : 16 Upper Limit: 65535 Sign: U Default: NA	16 bit Diesel Fault Bitmap for Modbus interface	PC 3.x
41402	Fault Status Bitmap 34	Read Only	Multiplier : 1 Units: NA Offset: 0 Lower Limit: 0 Size (Bits) : 16 Upper Limit: 65535 Sign: U Default: NA	16 bit Diesel Fault Bitmap for Modbus interface	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
41403	AT Fault Status Bitmap 2	Read Only	Multiplier : 1 Units: NA Offset: 0 Lower Limit: 0 Size (Bits) : 16 Upper Limit: 65535 Sign: U Default: NA	16 bit AT Fault Bitmap for Modbus interface	PC 3.x
41404	AT Fault Status Bitmap 3	Read Only	Multiplier : 1 Units: NA Offset: 0 Lower Limit: 0 Size (Bits) : 16 Upper Limit: 65535 Sign: U Default: NA	16 bit AT Fault Bitmap for Modbus interface	PC 3.x
41405	AT Fault Status Bitmap 4	Read Only	Multiplier : 1 Units: NA Offset: 0 Lower Limit: 0 Size (Bits) : 16 Upper Limit: 65535 Sign: U Default: NA	16 bit AT Fault Bitmap for Modbus interface	PC 3.x
41406	AT Fault Status Bitmap 5	Read Only	Multiplier : 1 Units: NA Offset: 0 Lower Limit: 0 Size (Bits) : 16 Upper Limit: 65535 Sign: U Default: NA	16 bit AT Fault Bitmap for Modbus interface	PC 3.x
41407	AT Fault Status Bitmap 6	Read Only	Multiplier : 1 Units: NA Offset: 0 Lower Limit: 0 Size (Bits) : 16 Upper Limit: 65535 Sign: U Default: NA	16 bit AT Fault Bitmap for Modbus interface	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
41408	AT Fault Status Bitmap 7	Read Only	Multiplier : 1 Units: NA Offset: 0 Lower Limit: 0 Size (Bits) : 16 Upper Limit: 65535 Sign: U Default: NA	16 bit AT Fault Bitmap for Modbus interface	PC 3.x
41409	AT Fault Status Bitmap 8	Read Only	Multiplier : 1 Units: NA Offset: 0 Lower Limit: 0 Size (Bits) : 16 Upper Limit: 65535 Sign: U Default: NA	16 bit AT Fault Bitmap for Modbus interface	PC 3.x
41416	Fault Status Bitmap 35	Read Only	Multiplier : 1 Units: NA Offset: 0 Lower Limit: 0 Size (Bits) : 16 Upper Limit: 65535 Sign: U Default: NA	16 bit Diesel Fault Bitmap for Modbus interface	PC 3.x
41417	Fault Status Bitmap 36	Read Only	Multiplier : 1 Units: NA Offset: 0 Lower Limit: 0 Size (Bits) : 16 Upper Limit: 65535 Sign: U Default: NA	16 bit Diesel Fault Bitmap for Modbus interface	PC 3.x
41418	Fault Status Bitmap 37	Read Only	Multiplier : 1 Units: NA Offset: 0 Lower Limit: 0 Size (Bits) : 16 Upper Limit: 65535 Sign: U Default: NA	16 bit Diesel Fault Bitmap for Modbus interface	PC 3.x
42000	Load Demand State	Read Only	0: Off 1: Halted 2: Initial Delay 3: Load Monitor	Indicates the status of Load Demand operation. Available on PCC3300MLD controls only.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
42001	Load Demand Genset Bus Total kW (Upper Register value)	Read Only	Multiplier: 1.0 Offset: 0 Size (bits): 32 Sign: U Units: kW Lower Limit: 0 Upper Limit: 80000 Default: 0	Indicates the total load of System Network connected gensets. Available on PCC3300MLD controls only.	PC 3.x
42002	Load Demand Genset Bus Total kW (Lower Register value)	Read Only	Multiplier: 1.0 Offset: 0 Size (bits): 32 Sign: U Units: kW Lower Limit: 0 Upper Limit: 80000 Default: 0	Indicates the total load of System Network connected gensets. Available on PCC3300MLD controls only.	PC 3.x
42003	Load Demand Surplus Capacity (Upper Register value)	Read Only	Multiplier: 1.0 Offset: 0 Size (bits): 32 Sign: U Units: kW Lower Limit: 0 Upper Limit: 80000 Default: 0	Indicates the total load of System Network connected gensets. Available on PCC3300MLD controls only.	PC 3.x
42004	Load Demand Surplus Capacity (Lower Register value)	Read Only	Multiplier: 1.0 Offset: 0 Size (bits): 32 Sign: U Units: kW Lower Limit: 0 Upper Limit: 80000 Default: 0	Indicates the total load of System Network connected gensets. Available on PCC3300MLD controls only.	PC 3.x
42005	Load Demand Online Capacity (Upper Register value)	Read Only	Multiplier: 1.0 Offset: 0 Size (bits): 32 Sign: U Units: kW Lower Limit: 0 Upper Limit: 80000 Default: 0	Indicates the total amount of online kW bus capacity for load demand. Only gensets which are eligible for load demand are counted. Available on PCC3300MLD controls only.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
42006	Load Demand Online Capacity (Lower Register value)	Read Only	Multiplier: 1.0 Offset: 0 Size (bits): 32 Sign: U Units: kW Lower Limit: 0 Upper Limit: 80000 Default: 0	Indicates the total amount of online kW bus capacity for load demand. Only gensets which are eligible for load demand count. Available on PCC3300MLD controls only.	PC 3.x

Addr.	Parameter	Access	Specifications	Description	Control
42007	Load Demand Initial Delay Timer	Read Only	Multiplier: 1.0 Offset: 0 Size (bits): 16 Sign: U Units: Seconds Lower Limit: 0 Upper Limit: 1500 Default: 0	Indicates the time remaining before gensets are allowed to stop after initial start or after resuming halted load demand. This timer is set by Load Demand Initial Delay. Available on PCC3300MLD controls only.	PC 3.x
42008	Load Demand Start Delay Timer	Read Only	Multiplier: 1.0 Offset: 0 Size (bits): 16 Sign: U Units: Seconds Lower Limit: 0 Upper Limit: 1500 Default: 0	Indicates the time remaining before next genset is allowed to start. This timer is set by Load Demand Start Delay. Available on PCC3300MLD controls only.	PC 3.x
42009	Load Demand Stop Delay Timer	Read Only	Multiplier: 1.0 Offset: 0 Size (bits): 16 Sign: U Units: Seconds Lower Limit: 0 Upper Limit: 1500 Default: 0	Indicates the time remaining before next genset is allowed to stop. This timer is set by Load Demand Stop Delay. Available on PCC3300MLD controls only.	PC 3.x
42010	Load Demand Spare Capacity Available	Read Only	0: No 1: Yes	Indicates when the current load and spare capacity requirements are satisfied. Available on PCC3300MLD controls only.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
42011	Load Demand Total Spare Capacity Requested (Upper Register value)	Read Only	Multiplier: 1.0 Offset: 0 Size (bits): 32 Sign: U Units: kW Lower Limit: 0 Upper Limit: 80000 Default: 0	Indicates the total kW value of all currently active spare capacity requests in the system. Available on PCC3300MLD controls only.	PC 3.x
42012	Load Demand Total Spare Capacity Requested (Lower Register value)	Read Only	Multiplier: 1.0 Offset: 0 Size (bits): 32 Sign: U Units: kW Lower Limit: 0 Upper Limit: 80000 Default: 0	Indicates the total kW value of all currently active spare capacity requests in the system. Available on PCC3300MLD controls only.	PC 3.x
42013	Load Demand Next Start Threshold (kW) (Upper Register value)	Read Only	Multiplier: 1.0 Offset: 0 Size (bits): 32 Sign: U Units: kW Lower Limit: 0 Upper Limit: 80000 Default: 0	The kW load at which the next genset will be started. Available on PCC3300MLD controls only.	PC 3.x
42014	Load Demand Next Start Threshold (kW) (Lower Register value)	Read Only	Multiplier: 1.0 Offset: 0 Size (bits): 32 Sign: U Units: kW Lower Limit: 0 Upper Limit: 80000 Default: 0	The kW load at which the next genset will be started. Available on PCC3300MLD controls only.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
42015	Load Demand Next Stop Threshold (Upper Register value)	Read Only	Multiplier: 1.0 Offset: 0 Size (bits): 32 Sign: U Units: kW Lower Limit: 0 Upper Limit: 80000 Default: 0	The kW load at which the next genset will be stopped. Available on PCC3300MLD controls only.	PC 3.x
42016	Load Demand Next Stop Threshold (Lower Register value)	Read Only	Multiplier: 1.0 Offset: 0 Size (bits): 32 Sign: U Units: kW Lower Limit: 0 Upper Limit: 80000 Default: 0	The kW load at which the next genset will be stopped. Available on PCC3300MLD controls only.	PC 3.x
42017	Load Demand Next Gen to start (kW)	Read Only	0: Gen1 1: Gen2 2: Gen3 3: Gen4 4: Gen5 5: Gen6 6: Gen7 7: Gen8 8: Gen9 9: Gen10 10: Gen11 11: Gen12 12: Gen13 13: Gen14 14: Gen15 15: Gen16	Indicates the next genset to start by ID. Available on PCC3300MLD controls only.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
42018	Load Demand Next Gen to Stop	Read Only	0: Gen1 1: Gen2 2: Gen3 3: Gen4 4: Gen5 5: Gen6 6: Gen7 7: Gen8 8: Gen9 9: Gen10 10: Gen11 11: Gen12 12: Gen13 13: Gen14 14: Gen15 15: Gen16	Indicates the next genset to stop by ID. Available on PCC3300MLD controls only.	PC 3.x
42019	Load Demand Inhibit Local	Read Only	0: Inactive 1: Active	Indicates the status of the Load Demand Inhibit input. When ACTIVE all the gensets will start. Available on PCC3300MLD controls only.	PC 3.x
43000	Genset % Application L1 Current	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: % Lower Limit: Upper Limit:	Monitors the generator set application L1 current percentage output.	PC 2.x, PC 3.x
43001	Genset % Application L2 Current	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: % Lower Limit: Upper Limit:	Monitors the generator set application L2 current percentage output.	PC 2.x, PC 3.x
43002	Genset % Application L1 kVA	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: % Lower Limit: Upper Limit:	Monitors the generator set application L1 kVA percentage output.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43003	Genset % Application L3 Current	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: % Lower Limit: Upper Limit:	Monitors the generator set application L3 current percentage output.	PC 2.x, PC 3.x
43004	Genset % Application L2 kVA	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: % Lower Limit: Upper Limit:	Monitors the generator set application L2 kVA percentage output.	PC 2.x, PC 3.x
43005	Genset % Application L3 kVA	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: % Lower Limit: Upper Limit:	Monitors the generator set application L3 kVA percentage output.	PC 2.x, PC 3.x
43006	Genset % Application L1 kW	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: % Lower Limit: Upper Limit:	Monitors the generator set application L1 KW percentage output.	PC 2.x, PC 3.x
43007	Genset % Application L2 kW	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: % Lower Limit: Upper Limit:	Monitors the generator set application L2 KW percentage output.	PC 2.x, PC 3.x
43008	Genset % Application L3 kW	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: % Lower Limit: Upper Limit:	Monitors the generator set application L3 KW percentage output.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43009	Genset % Application Total kVA	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: % Lower Limit: Upper Limit:	Monitors the total generator set application kVA percentage output.	PC 2.x, PC 3.x
43010	Genset % Application Total kW	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: % Lower Limit: Upper Limit:	Monitors the total generator set application KW percentage output.	PC 2.x, PC 3.x
43011	Genset % Standby L1 kVA	Read Only	Multiplier : 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: % Lower Limit: NA Upper Limit: NA	Monitors the genset standby L1 kVA percentage output.	PC 2.x, PC 3.x
43012	Genset % Standby L3 kVA	Read Only	Multiplier : 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: % Lower Limit: NA Upper Limit: NA	Monitors the genset standby L3 kVA percentage output.	PC 2.x, PC 3.x
43013	Genset % Standby L2 kVA	Read Only	Multiplier : 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: % Lower Limit: NA Upper Limit: NA Default: NA	Monitors the genset standby L2 kVA percentage output.	PC 2.x, PC 3.x
43014	Genset % Standby L1 kW	Read Only	Multiplier : 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: % Lower Limit: NA Upper Limit: NA Default: NA	Monitors the genset standby L1 KW percentage output.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43015	Genset % Standby L2 kW	Read Only	Multiplier : 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: % Lower Limit: NA Upper Limit: NA Default: NA	Monitors the genset standby L2 KW percentage output.	PC 2.x, PC 3.x
43016	Genset % Standby L3 kW	Read Only	Multiplier : 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: % Lower Limit: NA Upper Limit: NA Default: NA	Monitors the genset standby L3 KW percentage output.	PC 2.x, PC 3.x
43017	Genset % Standby Total kVA	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: % Lower Limit: Upper Limit:	Monitors the total generator set standby kVA percentage output.	PC 2.x, PC 3.x
43018	Genset Application kVA rating	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: kVA Lower Limit: Upper Limit:	The generator set kVA rating.	PC 2.x, PC 3.x
43019	Genset Application kW rating	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: kW Lower Limit: Upper Limit:	The generator set KW rating.	PC 2.x, PC 3.x
43020	Genset Application Nominal Current	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Amps Lower Limit: Upper Limit:	The value of the generator set application nominal current. Displayed as ”Generator set Application Rated Current” in HMI	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43021	Genset Average Voltage%	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: U Unit: % Lower Limit: Upper Limit:	Generator set average voltage percentage.	PC 2.x, PC 3.x
43030	Genset L1 Power Factor	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 8 Sign: S Unit: PF Lower Limit: Upper Limit:	Generator set L1 power factor	PC 2.x, PC 3.x
43031	Genset L1L2 Phase Difference	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: U Unit: Degrees Lower Limit: Upper Limit:	Generator set L1L2 voltage phase angle	PC 2.x, PC 3.x
43032	Genset L1L2 Voltage%	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: U Unit: % Lower Limit: Upper Limit:	Generator set L1L2 voltage%	PC 2.x, PC 3.x
43033	Genset L1N Voltage%	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: U Unit: % Lower Limit: Upper Limit:	Generator set L1N voltage%	PC 2.x, PC 3.x
43044	Genset L2 Power Factor	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 8 Sign: S Unit: PF Lower Limit: -1.28 Upper Limit: 1.27	Generator set L2 power factor	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43045	Genset L2L3 Phase Difference	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 8 Sign: U Unit: Degrees Lower Limit: 0 Upper Limit: 655.3	Generator set L2L3 voltage phase angle	PC 2.x, PC 3.x
43046	Genset L2L3 Voltage%	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: U Unit: % Lower Limit: Upper Limit:	Generator set L2L3 voltage%	PC 2.x, PC 3.x
43047	Genset L2N Voltage%	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: U Unit: % Lower Limit: 0 Upper Limit: 655.3	Generator set L2N voltage%	PC 2.x, PC 3.x
43058	Genset L3 Power Factor	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 8 Sign: S Unit: PF Lower Limit: -1.28 Upper Limit: 1.22	Generator set L3 power factor	PC 2.x, PC 3.x
43059	Genset L3L1 Phase Difference	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 8 Sign: U Unit: Degrees Lower Limit: 0 Upper Limit: 655.3	Generator set L3L1 voltage phase angle	PC 2.x, PC 3.x
43060	Genset L3L1 Voltage%	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: U Unit: % Lower Limit: 0 Upper Limit: 655.3	Generator set L3L1 voltage%	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43061	Genset L3N Voltage%	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: U Unit: % Lower Limit: Upper Limit:	Generator set L3N voltage%	PC 2.x, PC 3.x
43062	Genset Standby kVA rating	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: kVA Lower Limit: Upper Limit:	kVA rating for the generator set in Standby configuration.	PC 2.x, PC 3.x
43063	Genset Standby kW rating	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: kW Lower Limit: Upper Limit:	KW rating for the generator set in Standby configuration.	PC 2.x, PC 3.x
43064	Genset Standby Nominal Current	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Amps Lower Limit: Upper Limit:	The value of the generator set standby nominal current. Displayed as ”Generator set Standby Rated Current” in HMI	PC 2.x, PC 3.x
43065	Genset Total kVAh	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: U Unit: kVAh Lower Limit: Upper Limit:	Generator set total kVAh accumulation	PC 2.x, PC 3.x
43066	Genset Total kVAh	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: U Unit: kVAh Lower Limit: Upper Limit:	Generator set total kVAh accumulation	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43067	Genset Total kVARs per Standby kVA	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: S Unit: % Lower Limit: Upper Limit:	Total kVAR's per Standby kVA.	PC 2.x, PC 3.x
43100	Genset Bus Average Voltage%	Read Only	Multiplier : 0.01 Offset: 0 Size (bits): 16 Sign: U Unit: % Lower Limit: NA Upper Limit: NA Default: NA	Genset Bus average voltage%	PC 3.x
43111	Genset Bus L1 Power Factor	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 8 Sign: S Unit: PF Lower Limit: -1.28 Upper Limit: 1.22	Generator set Bus L1 power factor	PC 3.x
43112	Genset Bus L1L2 Phase Difference	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: U Unit: Degrees Lower Limit: Upper Limit:	Generator set bus L1L2 voltage phase angle	PC 3.x
43113	Genset Bus L1L2 Voltage%	Read Only	Multiplier : 0.01 Offset: 0 Size (bits): 16 Sign: U Units: % Lower Limit: NA Upper Limit: NA	Genset Bus L1L2 voltage%	PC 3.x
43114	Genset Bus L1N Voltage%	Read Only	Multiplier : 0.01 Offset: 0 Size (bits): 16 Sign: U Units: % Lower Limit: NA Upper Limit: NA Default: NA	Genset Bus L1N voltage%	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43125	Genset Bus L2 Power Factor	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 8 Sign: S Unit: PF Lower Limit: NA Upper Limit: NA	Generator set Bus L2 power factor	PC 3.x
43126	Genset Bus L2L3 Phase Difference	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: U Unit: Degrees Lower Limit: NA Upper Limit: NA	Generator set bus L2L3 voltage phase angle	PC 3.x
43127	Genset Bus L2L3 Voltage%	Read Only	Multiplier : 0.01 Offset: 0 Size (bits): 16 Sign: U Units: % Lower Limit: NA Upper Limit: NA Default: NA	Genset Bus L2L3 voltage%	PC 3.x
43128	Genset Bus L2N Voltage%	Read Only	Multiplier : 0.01 Offset: 0 Size (bits): 16 Sign: U Units: % Lower Limit: NA Upper Limit: NA Default: NA	Genset Bus L2N voltage%	PC 3.x
43139	Genset Bus L3 Power Factor	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 8 Sign: S Unit: PF Lower Limit: -1.28 Upper Limit: 1.22	Generator set Bus L3 power factor	PC 3.x
43140	Genset Bus L3L1 Phase Difference	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: U Unit: Degrees Lower Limit: Upper Limit:	Generator set bus L3L1 voltage phase angle	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43141	Genset Bus L3L1 Voltage%	Read Only	Multiplier : 0.01 Offset: 0 Size (bits): 16 Sign: U Units: % Lower Limit: NA Upper Limit: NA Default: NA	Genset Bus L3L1 voltage%	PC 3.x
43142	Genset Bus L3N Voltage%	Read Only	Multiplier : 0.01 Offset: 0 Size (bits): 16 Sign: U Units: % Lower Limit: NA Upper Limit: NA Default: NA	Genset Bus L3N voltage%	PC 3.x
43143	Genset Bus Total kVAh	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: U Unit: kVAh Lower Limit: Upper Limit: Default: NA	Generator set bus total kVAh accumulation	PC 3.x
43144	Genset Bus Total kVAh	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: U Unit: kVAh Lower Limit: Upper Limit:	Generator set bus total kVAh accumulation	PC 3.x
43145	Sync Phase Difference	Read Only	Multiplier : 0.01 Offset: 0 Size (bits): 16 Sign: S Units: deg Lower Limit: NA Upper Limit: NA Default: NA	Other meter to genset meter L1 voltage phase angle	PC 3.x
43146	Paralleling Application	Read/Write	0: None 1: Utility 2: Genset Bus	Determines what the function of the Other Meter is.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43147	System Total kVA	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: kVA Lower Limit: NA Upper Limit: NA Default: NA	Sum of genset bus and utility bus kVA	PC 3.x
43148	System Total kVAR	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: S Units: kVAR Lower Limit: NA Upper Limit: NA Default: NA	Sum of genset bus and utility bus kVAR	PC 3.x
43149	System Total kW	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: kW Lower Limit: NA Upper Limit: NA Default: NA	Sum of genset bus and utility bus kW	PC 3.x
43150	System Total Power Factor	Read Only	Multiplier : 0.01 Offset: 0 Size (bits): 8 Sign: U Units: PF Lower Limit: NA Upper Limit: NA Default: NA	System total power factor (totalized value of utility bus plus genset bus)	PC 3.x
43151	Utility Average Voltage%	Read Only	Multiplier : 0.01 Offset: 0 Size (bits): 16 Sign: U Units: % Lower Limit: NA Upper Limit: NA Default: NA	Utility average voltage%	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43162	Utility L1 Power Factor	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 8 Sign: S Unit: PF Lower Limit: NA Upper Limit: NA	Utility L1 power factor	PC 3.x
43163	Utility L1L2 Phase Difference	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: U Unit: Degrees Lower Limit: NA Upper Limit: NA	Utility L1L2 voltage phase angle	PC 3.x
43164	Utility L1L2 Voltage%	Read Only	Multiplier : 0.01 Offset: 0 Size (bits): 16 Sign: U Units: % Lower Limit: NA Upper Limit: NA Default: NA	Utility L1L2 voltage%	PC 3.x
43165	Utility L1N Voltage%	Read Only	Multiplier : 0.01 Offset: 0 Size (bits): 16 Sign: U Units: % Lower Limit: NA Upper Limit: NA Default: NA	Utility L1N voltage%	PC 3.X
43176	Utility L2 Power Factor	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 8 Sign: S Unit: PF Lower Limit: Upper Limit:	Utility L2 power factor	PC 3.x
43177	Utility L2L3 Phase Difference	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: U Unit: Degrees Lower Limit: Upper Limit:	Utility L2L3 voltage phase angle	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43178	Utility L2L3 Voltage%	Read Only	Multiplier : 0.01 Offset: 0 Size (bits): 16 Sign: U Unit: % Lower Limit: NA Upper Limit: NA	Utility L2L3 voltage%	PC 3.x
43179	Utility L2N Voltage%	Read Only	Multiplier : 0.01 Offset: 0 Size (bits): 16 Sign: U Unit: % Lower Limit: NA Upper Limit: NA Default: NA	Utility L2N voltage%	PC 3.x
43190	Utility L3 Power Factor	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 8 Sign: S Unit: PF Lower Limit: NA Upper Limit: NA	Utility L3 power factor	PC 3.x
43191	Utility L3L1 Phase Difference	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: U Unit: Degrees Lower Limit: NA Upper Limit: NA	Utility L3L1 voltage phase angle	PC 3.x
43192	Utility L3L1 Voltage%	Read Only	Multiplier : 0.01 Offset: 0 Size (bits): 16 Sign: U Units: % Lower Limit: NA Upper Limit: NA Default: NA	Utility L3L1 voltage%	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43193	Utility L3N Voltage%	Read Only	Multiplier : 0.01 Offset: 0 Size (bits): 16 Sign: U Units: % Lower Limit: NA Upper Limit: NA Default: NA	Utility L3N voltage%	PC 3.x
43194	Utility Total kVAh	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: U Unit: kVAh Lower Limit: Upper Limit:	Utility total kVAh accumulation	PC 3.x
43195	Utility Total kVAh	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: U Unit: kVAh Lower Limit: Upper Limit:	Utility total kVAh accumulation	PC 3.x
43196	Exhaust Stack Temperature Right Bank	Read Only	Multiplier : 0.1 Offset: 0 Size (bits): 16 Sign: S Units: degF Lower Limit: -459 Upper Limit: 3155 Default: NA	Monitor point for the Exhaust Stack Temperature Right Bank received from ECM	PC 3.x
43197	Exhaust Stack Temperature Left Bank	Read Only	Multiplier : 0.1 Offset: 0 Size (bits): 16 Sign: S Units: degF Lower Limit: -459 Upper Limit: 3155 Default: NA	Monitor point for the Exhaust Stack Temperature Left Bank received from ECM	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43200	Genset Model Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: -459 Upper Limit: 3155	Number identifying the model of this generator set. Modbus uses addresses 43200-43219 for the 20 characters of this string.	PC 2.x, PC 3.x
43201	Genset Model Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Number indentifying the model of this generator set. Modbus uses addresses 43200-43219 for the 20 characters of this string.	PC 2.x, PC 3.x
43202	Genset Model Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Number identifying the model of this generator set. Modbus uses addresses 43200-43219 for the 20 characters of this string.	PC 2.x, PC 3.x
43203	Genset Model Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Number identifying the model of this generator set. Modbus uses addresses 43200-43219 for the 20 characters of this string.	PC 2.x, PC 3.x
43204	Genset Model Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Number identifying the model of this generator set. Modbus uses addresses 43200-43219 for the 20 characters of this string.	PC 2.x, PC 3.x
43205	Genset Model Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Number identifying the model of this generator set. Modbus uses addresses 43200-43219 for the 20 characters of this string.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43206	Genset Model Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Number identifying the model of this generator set. Modbus uses addresses 43200-43219 for the 20 characters of this string.	PC 2.x, PC 3.x
43207	Genset Model Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Number identifying the model of this generator set. Modbus uses addresses 43200-43219 for the 20 characters of this string.	PC 2.x, PC 3.x
43208	Genset Model Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Number indentifying the model of this generator set. Modbus uses addresses 43200-43219 for the 20 characters of this string.	PC 2.x, PC 3.x
43209	Genset Model Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Number indentifying the model of this generator set. Modbus uses addresses 43200 - 43219 for the 20 characters of this string.	PC 2.x, PC 3.x
43210	Genset Model Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Number identifying the model of this generator set. Modbus uses addresses 43200-43219 for the 20 characters of this string.	PC 2.x, PC 3.x
43211	Genset Model Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Number indentifying the model of this generator set. Modbus uses addresses 43200-43219 for the 20 characters of this string.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43212	Genset Model Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Number identifying the model of this generator set. Modbus uses addresses 43200-43219 for the 20 characters of this string.	PC 2.x, PC 3.x
43213	Genset Model Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Number identifying the model of this generator set. Modbus uses addresses 43200-43219 for the 20 characters of this string.	PC 2.x, PC 3.x
43214	Genset Model Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Number identifying the model of this generator set. Modbus uses addresses 43200-43219 for the 20 characters of this string.	PC 2.x, PC 3.x
43215	Genset Model Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Number identifying the model of this generator set. Modbus uses addresses 43200-43219 for the 20 characters of this string.	PC 2.x, PC 3.x
43216	Genset Model Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Number identifying the model of this generator set. Modbus uses addresses 43200-43219 for the 20 characters of this string.	PC 2.x, PC 3.x
43217	Genset Model Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Number identifying the model of this generator set. Modbus uses addresses 43200-43219 for the 20 characters of this string.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43218	Genset Model Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Number indentifying the model of this generator set. Modbus uses addresses 43200-43219 for the 20 characters of this string.	PC 2.x, PC 3.x
43219	Genset Model Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Number identifying the model of this generator set. Modbus uses addresses 43200-43219 for the 20 characters of this string.	PC 2.x, PC 3.x
43220	Genset Serial Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Serial number of identifying this generator set. Modbus uses addresses 43220-43239 for the 20 characters of this string.	PC 2.x, PC 3.x
43221	Genset Serial Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Serial number of identifying this generator set. Modbus uses addresses 43220-43239 for the 20 characters of this string.	PC 2.x, PC 3.x
43222	Genset Serial Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Serial number of identifying this generator set. Modbus uses addresses 43220-43239 for the 20 characters of this string. Uses logical addresses 2048 - 6063 to store the first 16 characters. The last 4 are stored in 691-694.	PC 2.x, PC 3.x
43223	Genset Serial Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Serial number of identifying this generator set. Modbus uses addresses 43220-43239 for the 20 characters of this string.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43224	Genset Serial Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Serial number of identifying this generator set. Modbus uses addresses 43220-43239 for the 20 characters of this string.	PC 2.x, PC 3.x
43225	Genset Serial Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Serial number of identifying this generator set. Modbus uses addresses 43220-43239 for the 20 characters of this string.	PC 2.x, PC 3.x
43226	Genset Serial Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Serial number of identifying this generator set. Modbus uses addresses 43220-43239 for the 20 characters of this string.	PC 2.x, PC 3.x
43227	Genset Serial Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Serial number of identifying this generator set. Modbus uses addresses 43220-43239 for the 20 characters of this string.	PC 2.x, PC 3.x
43228	Genset Serial Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Serial number of identifying this generator set. Modbus uses addresses 43220-43239 for the 20 characters of this string.	PC 2.x, PC 3.x
43229	Genset Serial Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Serial number of identifying this generator set. Modbus uses addresses 43220-43239 for the 20 characters of this string.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43230	Genset Serial Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Serial number of identifying this generator set. Modbus uses addresses 43220-43239 for the 20 characters of this string.	PC 2.x, PC 3.x
43231	Genset Serial Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Serial number of identifying this generator set. Modbus uses addresses 43220-43239 for the 20 characters of this string.	PC 2.x, PC 3.x
43232	Genset Serial Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Serial number of identifying this generator set. Modbus uses addresses 43220-43239 for the 20 characters of this string.	PC 2.x, PC 3.x
43233	Genset Serial Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Serial number of identifying this generator set. Modbus uses addresses 43220-43239 for the 20 characters of this string.	PC 2.x, PC 3.x
43234	Genset Serial Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Serial number of identifying this generator set. Modbus uses addresses 43220-43239 for the 20 characters of this string.	PC 2.x, PC 3.x
43235	Genset Serial Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Serial number of identifying this generator set. Modbus uses addresses 43220-43239 for the 20 characters of this string.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43236	Genset Serial Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Serial number of identifying this generator set. Modbus uses addresses 43220-43239 for the 20 characters of this string.	PC 2.x, PC 3.x
43237	Genset Serial Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Serial number of identifying this generator set. Modbus uses addresses 43220-43239 for the 20 characters of this string.	PC 2.x, PC 3.x
43238	Genset Serial Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Serial number of identifying this generator set. Modbus uses addresses 43220-43239 for the 20 characters of this string.	PC 2.x, PC 3.x
43239	Genset Serial Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Serial number of identifying this generator set. Modbus uses addresses 43220-43239 for the 20 characters of this string.	PC 2.x, PC 3.x
43240	Alternator Model Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Number identifying this generator sets alternator model number. Modbus uses addresses 43240-43259 for the 20 characters text string.	PC 2.x, PC 3.x
43241	Alternator Model Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Number identifying this generator sets alternator model number. Modbus uses addresses 43240-43259 for the 20 characters text string.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43242	Alternator Model Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Number identifying this generator sets alternator model number. Modbus uses addresses 43240-43259 for the 20 characters text string.	PC 2.x, PC 3.x
43243	Alternator Model Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Number identifying this generator sets alternator model number. Modbus uses addresses 43240-43259 for the 20 characters text string.	PC 2.x, PC 3.x
43244	Alternator Model Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Number identifying this generator sets alternator model number. Modbus uses addresses 43240-43259 for the 20 characters text string.	PC 2.x, PC 3.x
43245	Alternator Model Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Number identifying this generator sets alternator model number. Modbus uses addresses 43240-43259 for the 20 characters text string.	PC 2.x, PC 3.x
43246	Alternator Model Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Number identifying this generator sets alternator model number. Modbus uses addresses 43240-43259 for the 20 characters text string.	PC 2.x, PC 3.x
43247	Alternator Model Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Number identifying this generator sets alternator model number. Modbus uses addresses 43240-43259 for the 20 characters text string.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43248	Alternator Model Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Number identifying this generator sets alternator model number. Modbus uses addresses 43240-43259 for the 20 characters text string.	PC 2.x, PC 3.x
43249	Alternator Model Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Number identifying this generator sets alternator model number. Modbus uses addresses 43240-43259 for the 20 characters text string.	PC 2.x, PC 3.x
43250	Alternator Model Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Number identifying this generator sets alternator model number. Modbus uses addresses 43240-43259 for the 20 characters text string.	PC 2.x, PC 3.x
43251	Alternator Model Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Number identifying this generator sets alternator model number. Modbus uses addresses 43240-43259 for the 20 characters text string.	PC 2.x, PC 3.x
43252	Alternator Model Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Number identifying this generator sets alternator model number. Modbus uses addresses 43240-43259 for the 20 characters text string.	PC 2.x, PC 3.x
43253	Alternator Model Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Number identifying this generator sets alternator model number. Modbus uses addresses 43240-43259 for the 20 characters text string.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43254	Alternator Model Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Number identifying this generator sets alternator model number. Modbus uses addresses 43240-43259 for the 20 characters text string.	PC 2.x, PC 3.x
43255	Alternator Model Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Number identifying this generator sets alternator model number. Modbus uses addresses 43240-43259 for the 20 characters text string.	PC 2.x, PC 3.x
43256	Alternator Model Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Number identifying this generator sets alternator model number. Modbus uses addresses 43240-43259 for the 20 characters text string.	PC 2.x, PC 3.x
43257	Alternator Model Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Number identifying this generator sets alternator model number. Modbus uses addresses 43240-43259 for the 20 characters text string.	PC 2.x, PC 3.x
43258	Alternator Model Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Number identifying this generator sets alternator model number. Modbus uses addresses 43240-43259 for the 20 characters text string.	PC 2.x, PC 3.x
43259	Alternator Model Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Number identifying this generator sets alternator model number. Modbus uses addresses 43240-43259 for the 20 characters text string.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43260	Alternator Serial Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Unique number identifying this generator sets alternator serial number. Modbus uses addresses 43260-43279 for the 20 characters text string.	PC 2.x, PC 3.x
43261	Alternator Serial Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Unique number identifying this generator sets alternator serial number. Modbus uses addresses 43260-43279 for the 20 characters text string.	PC 2.x, PC 3.x
43262	Alternator Serial Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Unique number identifying this generator sets alternator serial number. Modbus uses addresses 43260-43279 for the 20 characters text string.	PC 2.x, PC 3.x
43263	Alternator Serial Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Unique number identifying this generator sets alternator serial number. Modbus uses addresses 43260-43279 for the 20 characters text string.	PC 2.x, PC 3.x
43264	Alternator Serial Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Unique number identifying this generator sets alternator serial number. Modbus uses addresses 43260-43279 for the 20 characters text string.	PC 2.x, PC 3.x
43265	Alternator Serial Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Unique number identifying this generator sets alternator serial number. Modbus uses addresses 43260-43279 for the 20 characters text string.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43266	Alternator Serial Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Unique number identifying this generator sets alternator serial number. Modbus uses addresses 43260-43279 for the 20 characters text string.	PC 2.x, PC 3.x
43267	Alternator Serial Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Unique number identifying this generator sets alternator serial number. Modbus uses addresses 43260-43279 for the 20 characters text string.	PC 2.x, PC 3.x
43268	Alternator Serial Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Unique number identifying this generator sets alternator serial number. Modbus uses addresses 43260-43279 for the 20 characters text string.	PC 2.x, PC 3.x

Addr.	Parameter	Access	Specifications	Description	Control
43269	Alternator Serial Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Unique number identifying this generator sets alternator serial number. Modbus uses addresses 43260-43279 for the 20 characters text string.	PC 2.x, PC 3.x
43270	Alternator Serial Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Unique number identifying this generator sets alternator serial number. Modbus uses addresses 43260-43279 for the 20 characters text string.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43271	Alternator Serial Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Unique number identifying this generator sets alternator serial number. Modbus uses addresses 43260-43279 for the 20 characters text string.	PC 2.x, PC 3.x
43272	Alternator Serial Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Unique number identifying this generator sets alternator serial number. Modbus uses addresses 43260-43279 for the 20 characters text string.	PC 2.x, PC 3.x
43273	Alternator Serial Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Unique number identifying this generator sets alternator serial number. Modbus uses addresses 43260-43279 for the 20 characters text string.	PC 2.x, PC 3.x
43274	Alternator Serial Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Unique number identifying this generator sets alternator serial number. Modbus uses addresses 43260-43279 for the 20 characters text string.	PC 2.x, PC 3.x
43275	Alternator Serial Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Unique number identifying this generator sets alternator serial number. Modbus uses addresses 43260-43279 for the 20 characters text string.	PC 2.x, PC 3.x
43276	Alternator Serial Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Unique number identifying this generator sets alternator serial number. Modbus uses addresses 43260-43279 for the 20 characters text string.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43277	Alternator Serial Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Unique number identifying this generator sets alternator serial number. Modbus uses addresses 43260-43279 for the 20 characters text string.	PC 2.x, PC 3.x
43278	Alternator Serial Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Unique number identifying this generator sets alternator serial number. Modbus uses addresses 43260-43279 for the 20 characters text string.	PC 2.x, PC 3.x
43279	Alternator Serial Number	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Unique number identifying this generator sets alternator serial number. Modbus uses addresses 43260-43279 for the 20 characters text string.	PC 2.x, PC 3.x
43280	Coolant Level Switch	Read Only	0: Inactive 1: Active	Coolant Level input software state status. Gives software Inactive/Active state	PC 2.x, PC 3.x
43281	Coolant Level/Configurable Input #5 Switch	Read Only	0: Inactive 1: Active	This is the status of the Configurable Input #5.	PC 2.x, PC 3.x
43283	Fault Reset Switch	Read Only	0: Inactive 1: Active	Fault Reset input software state status. Gives software Inactive/Active state	PC 2.x, PC 3.x
43284	Fault Reset/Configurable Input #10 Switch	Read Only	0: Inactive 1: Active	This is the status of the Configurable Input #10.	PC 2.x, PC 3.x
43285	Genset CB Inhibit/Configurable Input #28 Switch	Read Only	0: Inactive 1: Active	This is the status of the Configurable Input #28.	PC 3.x
43286	Genset CB Pos B/Configurable Input #26 Switch	Read Only	0: Inactive 1: Active	This is the status of the Configurable Input #26.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43287	Genset CB Tripped/Configurable Input #27 Switch	Read Only	0: Inactive 1: Active	This is the status of the Configurable Input #27.	PC 3.x
43288	Genset CB Inhibit Switch	Read Only	0: Inactive 1: Active	Genset CB Inhibit input software state status. Gives software Inactive/Active state	PC 3.x
43289	Genset CB Pos A Switch	Read Only	0: Inactive 1: Active	Genset CB Pos A input software state status. Gives software Inactive/Active state	PC 3.x
43290	Genset CB Pos B Switch	Read Only	0: Inactive 1: Active	Genset CB Pos B input software state status. Gives software Inactive/Active state	PC 3.x
43291	Genset CB Tripped Switch	Read Only	0: Inactive 1: Active	Genset CB Tripped input software state status. Gives software Inactive/Active state	PC 3.x
43292	Ground Fault Switch	Read Only	0: Inactive 1: Active	Ground Fault Switch function output status. Gives software Inactive/Active state	PC 2.x, PC 3.x
43293	High Alt Temp Switch	Read Only	0: Inactive 1: Active	High Alt Temperature Switch function output status. Gives software Inactive/Active state	PC 2.x, PC 3.x
43295	Load Demand Stop/Configurable Input #31 Switch	Read Only	0: Inactive 1: Active	This is the status of the Configurable Input #31.	PC 3.x
43296	Local E-stop Switch	Read Only	0: Inactive 1: Active	Monitors the E–Stop switch.	PC 2.x, PC 3.x
43297	Low Coolant #2 Switch	Read Only	0: Inactive 1: Active	Low Coolant #2 Switch function output status. Gives software Inactive/Active state	PC 2.x, PC 3.x
43298	Low Engine Temperature Switch	Read Only	0: Inactive 1: Active	Low Engine Temperature Switch function output status. Gives software Inactive/Active state	PC 2.x, PC 3.x
43299	Low Fuel In Day Tank Switch	Read Only	0: Inactive 1: Active	Low Fuel In Day Tank Switch function output status. Gives software Inactive/Active state	PC 2.x, PC 3.x
43300	Genset Bus Delta/Wye Connection	Read/Write	0: Delta 1: Wye	Delta or Wye for Utility connection	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43301	Genset Bus Nominal Voltage	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: 110 Upper Limit: 45000	Generator set Bus nominal voltage	PC 3.x
43302	Genset Delta/Wye Connection	Read Only	0: Delta 1: Wye	Delta or Wye for Generator set connection	PC 2.x, PC 3.x
43303	Genset Nominal Voltage	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: 110 Upper Limit: 45000	Generator set nominal line-line voltage	PC 2.x, PC 3.x
43304	Single/3 Phase Connection	Read Only	0: Single Phase 1: Three Phase	Setup mode interlocked. Generator set's single phase/3 phase metering setup configuration.	PC 2.x, PC 3.x
43306	Utility Delta/Wye Connection	Read/Write	0: Delta 1: Wye	Delta or Wye for Utility connection	PC 3.x
43307	Utility Nominal Voltage	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: 110 Upper Limit: 45000	Utility nominal voltage	PC 3.x
43309	Overfrequenc y Enable	Read/Write	0: Disabled 1: Enabled	Enables over frequency diagnostic witness test.	PC 2.x, PC 3.x
43310	Overload Warning Set Time	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 8 Sign: U Unit: seconds Lower Limit: 1 Upper Limit: 120	The time delay until an overload condition is reported as a fault	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43311	Overload Warning Threshold	Read/Write	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: U Unit: % Lower Limit: 80 Upper Limit: 140	Sets the Overload Warning fault trip threshold as percentage of generator set application kW rating.	PC 2.x, PC 3.x
43312	Overload Shutdown Set Time	Read / Write	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: Seconds Lower Limit: 1 Upper Limit: 120 Default: 60	The time delay until an overload condition is reported as Shutdown fault	PC 3.x
43313	Overload Shutdown threshold	Read / Write	Multiplier : 0.01 Offset: 0 Size (bits): 16 Sign: U Units: % Lower Limit: 70 Upper Limit: 655.35 Default: 655.35	Sets the Overload Shutdown fault trip threshold as percentage of genset application kW rating. To disable the Overload shutdown fault set the value to 655.35 or Not Available.	PC 3.x
43314	Prelube Function Owner	Read / Write	0: GCS 1: ECS	Selects whether prelube function is being controlled by GCS or ECS	PC 3.x
43315	Non Lubricated Non-Emergency Start	Read / Write	0: Allow Start 1: Block Start	Selects whether to allow or block genset starting when not lubricated in case of Non-Emergency start. Applicable only when Prelube Function Owner = ECS	PC 3.x
43338	CAN Failure Retries	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 8 Sign: U Unit: Lower Limit: 0 Upper Limit: 10	Sets the maximum number of CAN communication retries	PC 2.x, PC 3.x
43339	Auto Sleep Enable	Read/Write	0: Awake in Auto 1: Sleep in Auto	Trim that determines if the control will stay awake in Auto mode or Fall asleep in Auto mode.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43340	Max Setup Mode Time	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Seconds Lower Limit: 30 Upper Limit: 3600	Max time allowed in Setup Mode.	PC 2.x, PC 3.x
43341	Power Down Mode Enable	Read/Write	0: Disable 1: Enable	Trim to enable Sleep Mode	PC 2.x, PC 3.x
43342	Power Down Mode Time Delay	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Seconds Lower Limit: 0 Upper Limit: 600	Timer setting for the Power Down delay feature	PC 2.x, PC 3.x
43343	Setup Mode Enable	Read/Write	0: Disable 1: Enable	Volatile to allow entry into Setup Mode	PC 2.x, PC 3.x
43344	Clock Date	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 8 Sign: U Unit: Lower Limit: 1 Upper Limit: 31	Use to set or read the current date.	PC 2.x, PC 3.x
43345	Clock Hour	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 8 Sign: U Unit: Lower Limit: 1 Upper Limit: 32	Use to set or read the current hour.	PC 2.x, PC 3.x
43346	Clock Minute	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 8 Sign: U Unit: Lower Limit: 0 Upper Limit: 59	Use to set or read the current minute.	PC 2.x, PC 3.x
43347	Clock Mode	Read/Write	0: Normal 1: Set Clock 2: Save Clock	Use to set the real time clock and save settings.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43348	Clock Month	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 8 Sign: U Unit: Lower Limit: 1 Upper Limit: 12	Use to set or read the current month.	PC 2.x, PC 3.x
43349	Clock Second	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 8 Sign: U Unit: Lower Limit: 0 Upper Limit: 59	Use to set or read the current second.	PC 2.x, PC 3.x
43350	Clock Year	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 8 Sign: U Unit: Lower Limit: 0 Upper Limit: 99	Use to set or read the current year.	PC 2.x, PC 3.x
43351	Daylight Savings End Hour	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 8 Sign: U Unit: Lower Limit: 2 Upper Limit: 19	Use to set the hour of the day when daylight savings time ends.	PC 2.x, PC 3.x
43352	Daylight Savings End Month	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 8 Sign: U Unit: Lower Limit: 1 Upper Limit: 12	Use to set the month when daylight savings time ends.	PC 2.x, PC 3.x
43353	Daylight Savings End Week Occurrence in Month	Read/Write	0: First Occurrence 1: Second Occurrence 2: Third Occurrence 3: Fourth Occurrence 4: Last Occurrence	Use to set the week of the month when daylight savings time ends.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43354	Daylight Savings Start Day	Read/Write	0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday	Use to set the day of the week when daylight savings time starts.	PC 2.x, PC 3.x
43355	Daylight Savings Start Hour	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 8 Sign: U Unit: Lower Limit: 2 Upper Limit: 19	Use to set the hour of the day when daylight savings time starts.	PC 2.x, PC 3.x
43356	Daylight Savings Start Month	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 8 Sign: U Unit: Lower Limit: 1 Upper Limit: 12	Use to set the month when daylight savings time starts.	PC 2.x, PC 3.x
43357	Daylight Savings Start Week Occurrence in Month	Read/Write	0: First Occurrence 1: Second Occurrence 2: Third Occurrence 3: Fourth Occurrence 4: Last Occurrence	Use to set the week of the month when daylight savings time starts.	PC 2.x, PC 3.x
43358	Daylight Savings Time Adjustment	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 8 Sign: U Unit: Minutes Lower Limit: 0 Upper Limit: 120	Use to set the amount of daylight savings time adjustment applied.	PC 2.x, PC 3.x
43359	Daylight Savings Time Enable	Read/Write	0: Disabled 1: Enabled	Use to enable the daylight savings time feature.	PC 2.x, PC 3.x
43360	Exercise Scheduler Enable	Read/Write	0: Disabled 1: Enabled	Enables the exercise scheduler.	PC 2.x, PC 3.x
43361	Reset Fuel Consumption	Read/Write	0: Inactive 1: Active	The reset trip fuel consumption command.	PC 2.x, PC 3.x
43362	Reset Runs	Read/Write	0: Inactive 1: Active	The reset runs command.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43363	Reset Start Attempts	Read/Write	0: Inactive 1: Active	The reset start attempts command.	PC 2.x, PC 3.x
43364	Scheduler Exception Select	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 8 Sign: U Unit: Lower Limit: 1 Upper Limit: 6	Used to select an exception to adjust.	PC 2.x, PC 3.x
43365	Scheduler Exception x Date	Read / Write	Multiplier : 1 Offset: 0 Size (bits): 8 Sign: U Units: NA Lower Limit: 1 Upper Limit: 31	Used to adjust the date for the selected exception.	PC 2.x, PC 3.x
43366	Scheduler Exception x Duration Days	Read / Write	Multiplier : 1 Offset: 0 Size (bits): 8 Sign: U Units: NA Lower Limit: 0 Upper Limit: 44	Used to adjust the length in days for the selected exception.	PC 2.x, PC 3.x
43367	Scheduler Exception x Duration Hours	Read / Write	Multiplier : 1 Offset: 0 Size (bits): 8 Sign: U Units: NA Lower Limit: 0 Upper Limit: 23	Used to adjust the length in hours for the selected exception.	PC 2.x, PC 3.x
43368	Scheduler Exception x Duration Minutes	Read / Write	Multiplier : 1 Offset: 0 Size (bits): 8 Sign: U Units: NA Lower Limit: 0 Upper Limit: 59 Default: 0	Used to adjust the length in minutes for the selected exception.	PC 2.x, PC 3.x
43369	Scheduler Exception x Enable	Read / Write	0 : Disable 1 : Enable	Used to enable or disable the selected exception.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43370	Scheduler Exception x Hour	Read / Write	Multiplier : 1 Offset: 0 Size (bits): 8 Sign: U Units: NA Lower Limit: 0 Upper Limit: 23 Default: 0	Used to adjust the starting hour for the selected exception.	PC 2.x PC 3.x
43371	Scheduler Exception x Minute	Read / Write	Multiplier : 1 Offset: 0 Size (bits): 8 Sign: U Units: NA Lower Limit: 0 Upper Limit: 59 Default: 0	Used to adjust the starting minute for the selected exception.	PC 2.x, PC 3.x
43372	Scheduler Exception x Month	Read / Write	Multiplier : 1 Offset: 0 Size (bits): 8 Sign: U Units: NA Lower Limit: 1 Upper Limit: 12 Default: 1	Used to adjust the starting month for the selected exception.	PC 2.x, PC 3.x
43373	Scheduler Exception x Repeat	Read / Write	0: Once Only 1: Every Year	Used to adjust the repeat interval for the selected exception.	PC 2.x, PC 3.x
43374	Scheduler Program Select	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 8 Sign: U Unit: Lower Limit: 1 Upper Limit: 12	Used to select a program to adjust.	PC 2.x, PC 3.x
43375	Scheduler Program x Duration Hours	Read / Write	Multiplier : 1 Offset: 0 Size (bits): 8 Sign: U Units: NA Lower Limit: 0 Upper Limit: 23 Default: 0	Used to adjust the length in hours for the selected program.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43376	Scheduler Program x Duration Minutes	Read / Write	Multiplier : 1 Offset: 0 Size (bits): 8 Sign: U Units: NA Lower Limit: 0 Upper Limit: 59 Default: 0	Used to adjust the length in minutes for the selected program.	PC 2.x, PC 3.x
43377	Scheduler Program x Enable	Read/Write	0: Disable 1: Enable	Used to enable or disable the selected program.	PC 2.x, PC 3.x
43378	Scheduler Program x Repeat Interval	Read / Write	0: Once 1: Every Week 2: Every 2 Weeks 3: Every 3 Weeks 4: Every 4 Weeks 5: Every 5 Weeks 6: First Week of Month 7: Second Week of Month 8: Third Week of Month 9: Fourth Week of Month 10: Last Week of Month	Used to adjust the repeat interval for the selected program.	PC 2.x, PC 3.x
43379	Scheduler Program x Run Mode	Read/Write	0: No Load 1: With Load 2: Extended Parallel	Used to adjust the run mode for the selected program.	PC 3.x
43380	Scheduler Program x Start Day	Read / Write	0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday	Used to adjust the start day of the week for the selected program.	PC 2.x, PC 3.x
43381	Scheduler Program x Start Hour	Read / Write	Multiplier : 1 Offset: 0 Size (bits): 8 Sign: U Units: NA Lower Limit: 0 Upper Limit: 23 Default: 0	Used to adjust the start hour for the selected program.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43382	Scheduler Program x Start Minute	Read / Write	Multiplier : 1 Offset: 0 Size (bits): 8 Sign: U Units: NA Lower Limit: 0 Upper Limit: 59 Default: 0	Used to adjust the start minute for the selected program.	PC 2.x, PC 3.x
43383	Daylight Savings End Day	Read/Write	0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday	Use to set the day of the week when daylight savings time ends.	PC 2.x, PC 3.x
43501	Genset Run Type	Read Only	0: Emergency Remote Start 1: Non Emergency Remote Start 2: Load Demand Start 3: Manual Run 4: Exercise	Source or type of current genset run (if running) or previous genset run (if stopped).	PC 2.x, PC 3.x
43502	Idle Rated Command	Read Only	0: Idle 1: Rated	The output command of the Idle/Rated Logic	PC 2.x, PC 3.x
43503	Idle Request	Read Only	0: False 1: True	Indicates a request to go to manual idle. Manual idle allowed if breaker is open or not controlled	PC 2.x, PC 3.x
43506	Load Dump Command	Read Only	0: Inactive 1: Active 2: Reserved 3: Not Available	Monitors the software command to the load dump driver output	PC 2.x, PC 3.x
43507	Load Dump Overload Condition	Read Only	0: Inactive 1: Active 2: Reserved 3: Not Available	Monitors the state of the load dump overload detection algorithm	PC 2.x, PC 3.x
43508	Load Dump Underfrequency Condition	Read Only	0: Inactive 1: Active 2: Reserved 3: Not Available	The state of the load dump underfrequency detection algorithm	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43509	Low Battery Voltage Running Threshold	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: Vdc Lower Limit: Upper Limit:	The low battery voltage threshold when the generator set is in rated mode	PC 2.x, PC 3.x
43510	Low Battery Voltage Stopped Threshold	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: Vdc Lower Limit: Upper Limit:	The low battery voltage threshold when the generator set is not in rated mode	PC 2.x, PC 3.x
43511	Low Battery Voltage Threshold	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: Vdc Lower Limit: Upper Limit:	The selection of the running or stopped threshold	PC 2.x, PC 3.x
43512	Manual Command	Read Only	0: Not Manual 1: Manual	The output of the Manual Command OR logic	PC 2.x, PC 3.x
43513	Manual Command Inputs	Read Only	Multiplier : 1 Offset: 0 Size (bits): 8 Sign: U Units: NA Lower Limit: NA Upper Limit: NA Default: NA	Bitmask to show the inputs to the Command output which are currently on	PC 2.x, PC 3.x
43515	Oil Priming Pump Command	Read Only	0: Inactive 1: Active 2: Reserved 3: Not Available	The Prelube Driver Command.	PC 2.x, PC 3.x
43516	Prelube Mode	Read Only	0: Crank After Prelube 1: Crank With Prelube 2: Prelube Only	Set to a required mode based on the type of starting requirement	PC 2.x, PC 3.x
43517	Prelube State	Read Only	0: Complete 1: Armed 2: Prelube Output ON 3: Prelube Output OFF 4: Enable Crank	The monitor point for the prelube state.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43518	PTC Genset Operating Mode	Read Only	0: Off 1: Manual 2: Normal 3: Normal Override 4: Test 5: Exercise 6: Utility Fail 7: Extended Parallel	Current mode for the genset operation part of the PTC function	PC 3.x
43519	PTC Mode Switch Command	Read Only	0: Inactive 1: Active 2: Reserved 3: Not Available	The output of the PTC Mode Switch Command OR logic	PC 3.x
43520	PTC Mode Switch Command Inputs	Read Only	Multiplier : 1 Offset: 0 Size (bits): 8 Sign: U Units: NA Lower Limit: NA Upper Limit: NA Default: NA	Bitmask to show the inputs to the Command output which are currently on.	PC 3.x
43521	PTC Status	Read Only	0: Off/ Not Enabled 1: Manual Mode 2: Normal Utility 3: Retransfer 4: Retransfer Override 5: Emergency Test 6: Normal Test 7: Exercise 8: Utility Failure 9: Extended Parallel	Indicates what the current state is of PTC control action	PC 3.x
43522	PTC Transfer Pair Operating Mode	Read Only	0: Off 1: Manual 2: Normal 3: Normal Override 4: Test 5: Exercise 6: Utility Fail 7: Extended Parallel	Operation mode for the breaker pair portion of the PTC function	PC 3.x
43523	Ready to Load Command	Read Only	0: Inactive 1: Active 2: Reserved 3: Not Available	The state that the Ready to Load Driver output is being commanded to	PC 2.x, PC 3.x
43524	Remote Start Command	Read Only	0: Stop 1: Start	The output of the Remote Start Command OR logic	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43526	Remote Start State	Read Only	0: Off 1: Remote Start 2: Load Demand Stop 3: Load Demand Start	Status of remote start and load demand stop inputs	PC 2.x, PC 3.x
43527	RMS Regulation Error	Read Only	Multiplier : 0.01 Offset: 0 Size (bits): 16 Sign: S Units: % Lower Limit: -100 Upper Limit: 100 Default: NA	The RMS voltage (or current) error at the AVR	PC 2.x, PC 3.x
43528	Run Command	Read Only	0: Off 1: Run	The signal that is commanding a change to the run mode	PC 2.x, PC 3.x
43529	Run Relay Command	Read Only	0: Inactive 1: Active	The status of relay command when genset is in frequency and rated mode.	PC 2.x, PC 3.x
43530	Speed and Voltage Bias Relay Command	Read Only	0: Inactive 1: Active	Monitor point for the command which closes the on-board relay enabling the voltage and speed bias outputs.	PC 3.x
43531	Speed Bias Command	Read Only	Multiplier : 0.01 Offset: 0 Size (bits): 16 Sign: S Units: % Lower Limit: 0 Upper Limit: NA Default: NA	Indicates amount of speed bias offset GCS is commanding to ECS governor or external governor	PC 3.x
43533	Start Countdown	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 0 Upper Limit: 300 Default: NA	Time remaining until start is initiated	PC 2.x, PC 3.x
43536	Start Type Command	Read Only	0: Emergency 1: Non Emergency	The output of the Start Type Command OR logic	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43537	Start Type Command Inputs	Read Only	Multiplier : 1 Offset: 0 Size (bits): 8 Sign: U Units: NA Lower Limit: NA Upper Limit: NA Default: NA	Bitmask to show the inputs to the Command output which are currently on	PC 2.x, PC 3.x
43538	Starter Command	Read Only	0: Inactive 1: Active 2: Reserved 3: Not Available	State of hardware output.	PC 2.x, PC 3.x
43539	Stop Countdown	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 0 Upper Limit: 5000	Time remaining until generator set stops	PC 2.x, PC 3.x
43540	Switch Panel Run Request	Read Only	0: None 1: Manual 2: Exercise	Status of run and exercise commands from display panel	PC 2.x, PC 3.x
43542	Target Voltage	Read Only	Multiplier : 0.01 Offset: 0 Size (bits): 16 Sign: U Units: % Lower Limit: 0 Upper Limit: 150 Default: NA	The target voltage without ramping and torque match voltage rolloff effects	PC 2.x, PC 3.x
43543	Time At No Load	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 0 Upper Limit: 600 Default: NA	Amount of time the generator set has run at no load	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43544	Time at Rated Cooldown	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 0 Upper Limit: 5000	Amount of time spend in Rated Cooldown	PC 2.x, PC 3.x
43546	Voltage Bias Command	Read Only	Multiplier : 0.01 Offset: 0 Size (bits): 16 Sign: S Units: % Lower Limit: 0 Upper Limit: NA Default: NA	Indicates amount of voltage bias offset GCS is commanding to an external regulator	PC 3.x
43547	Voltage Setpoint	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: U Units: % Lower Limit: 0 Upper Limit: 150	The voltage setpoint command	PC 2.x, PC 3.x
43550	Weak Battery Threshold	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: Vdc Lower Limit: 6 Upper Limit: 16	Monitor point for the weak battery voltage threshold	PC 2.x, PC 3.x
43551	Weak Battery Voltage Set Time	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 1 Upper Limit: 5	The time delay until a weak battery condition is reported as a fault	PC 2.x, PC 3.x
43552	Paralleling Voltage Ref Offset	Read Only	Multiplier : 0.01 Offset: 0 Size (bits): 16 Sign: S Units: % Lower Limit: NA Upper Limit: NA	Voltage offset to voltage regulator for paralleling function	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43553	Synchronizer Status	Read Only	0: Synchronizer Off 1: Synchronizer On	Indicates whether synchronizer is on or off	PC 3.x
43554	Active Transition Timer	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: Upper Limit:	Countdown value of the active transition timer	PC 3.x
43555	Active Transition Type	Read Only	0: None 1: Programmed Transition 2: Transfer 3: Retransfer 4: Max Parallel	Indicates the active transition type for PTC	PC 3.x
43556	Arbitration State	Read Only	0: Off 1: Arbitrate0 2: Winner 3: Arbitrate1 4: Sleep	Indicates current arbitration state	PC3.x
43557	Arbitration Timer	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: msec Lower Limit: NA Upper Limit: NA Default: NA	Arbitration loop countdown timer	PC 3.x
43567	Genset Current Based Breaker Position	Read Only	0: Unknown 1: Closed	Indicates genset breaker position based on current	PC 3.x
43558	ES State	Read Only	0: Standby 1: Dead Bus 2: Synchronize 3: Load Share 4: Load Govern	Internal paralleling status variable	PC 3.x
43559	First Start State	Read Only	0: First Start Not Allowed 1: First Start Requested 2: First Start Permitted	Indicates status of the first start system	PC 3.x
43560	Genset CB Close Command	Read Only	0: Inactive 1: Active	Generator set cb close command status	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43561	Genset CB Fail To Close Lockout	Read Only	0: Inactive 1: Active	Status of gen fail to close lockout function	PC 3.x
43562	Genset CB Position Status	Read Only	0: Open 1: Closed 2: Not Available	Indicates generator set breaker position	PC 3.x
43563	Genset Availability Status	Read Only	0: Not Available 1: Available 2: Unknown	Indicates status of the generator set source	PC 3.x
43564	Bus Status	Read Only	0: Unavailable 1: Dead 2: Live	Indicates status of the bus	PC 3.x
43565	Genset CB Inhibit Command	Read Only	0: Inactive 1: Active	Generator set cb inhibit command	PC 3.x
43566	Genset CB Tripped Command	Read Only	0: Inactive 1: Active	Generator set cb tripped command	PC 3.x
43568	Genset Frequency Lower Drop-Out Threshold	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: Hz Lower Limit: Upper Limit:	Indicates the lower drop-out threshold in Hz for generator set frequency sensor	PC 3.x
43569	Genset Frequency Lower Pick-Up Threshold	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: Hz Lower Limit: Upper Limit	Indicates the lower pick-up threshold in Hz for generator set frequency sensor	PC 3.x
43570	Genset Frequency Sensor Status	Read Only	0: Unknown 1: Picked Up 2: Dropped Out	Indicates generator set frequency sensor status	PC 3.x
43571	Genset Frequency Upper Drop-Out Threshold	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: Hz Lower Limit: Upper Limit	Indicates the upper drop-out threshold in Hz for generator set frequency sensor	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43572	Genset Frequency Upper Pick-Up Threshold	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: Hz Lower Limit: Upper Limit	Indicates the upper pick-up threshold in Hz for generator set frequency sensor	PC 3.x
43573	Genset Loss of Phase Sensor Status	Read Only	0: Unknown 1: Picked Up 2: Dropped Out	Indicates generator set loss of phase sensor status	PC 3.x
43574	Genset Overvoltage Drop-Out Threshold	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: Upper Limit	Indicates the drop-out threshold in volts for generator set over voltage sensor	PC 3.x
43575	Genset Overvoltage Pick-Up Threshold	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: Upper Limit	Indicates the pick-up threshold in volts for generator set over voltage sensor	PC 3.x
43576	Genset Overvoltage Sensor Status	Read Only	0: Unknown 1: Picked Up 2: Dropped Out	Indicates generator set over voltage sensor status	PC 3.x
43577	Genset Phase Rotation Sensor Status	Read Only	0: Unknown 1: Picked Up 2: Dropped Out	Indicates generator set phase rotation sensor status	PC 3.x
43578	Genset Undervoltage Drop-Out Threshold	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: Upper Limit	Indicates the drop-out threshold in volts for generator set under voltage sensor	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43579	Genset Undervoltage Pick-Up Threshold	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: Upper Limit	Indicates the pick-up threshold in volts for generator set under voltage sensor	PC 3.x
43580	Genset Undervoltage Sensor Status	Read Only	0: Unknown 1: Picked Up 2: Dropped Out	Indicates generator set under voltage sensor status	PC 3.x
43581	Master First Start Output Command	Read Only	0: Inactive 1: Active	Status of the first start output command	PC 3.x
43582	Maximum Parallel Timer	Read Only	Multiplier : 0.1 Offset: 0 Size (bits): 16 Sign: U Units: Seconds Lower Limit: NA Upper Limit: NA Default: NA	Countdown value of the maximum parallel timer	PC 3.x
43583	Maximum Parallel Timer Status	Read Only	0: Not Timing 1: Timing 2: Expired	Indicates status of the maximum parallel timer	PC 3.x
43584	Paralleling Speed Control Mode	Read Only	0: Isochronous 1: Droop 2: Synchronize 3: Load Share 4: Load Govern	Indicates which speed control algorithm is in effect	PC 2.x, PC 3.x
43585	Paralleling Voltage Control Mode	Read Only	0: Isochronous 1: Droop 2: Synchronize 3: Load Share 4: Load Govern	Indicates which voltage control algorithm is in effect	PC 2.x, PC 3.x
43586	Programmed Transition Timer	Read Only	Multiplier : 0.1 Offset: 0 Size (bits): 16 Sign: U Units: Seconds Lower Limit: NA Upper Limit: NA Default: NA	Countdown value of the programmed transition timer	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43587	Programmed Transition Timer Status	Read Only	0: Not Timing 1: Timing 2: Expired	Indicates status of the programmed transition timer	PC 3.x
43588	PTC Enable Status	Read Only	0: Disable 1: Enable	Indicates if PTC functions are running	PC 3.x
43589	PTC Operating Transition Type	Read Only	0: Open Transition 1: Hard Closed Transition 2: Soft Closed Transition	Indicates the transition type currently in effect	PC 3.x
43590	PTC State	Read Only	0: PTC Not Enabled 1: No Source Connected 2: Utility Connected 3: Genset Connected 4: Paralleled	Indicates the connected state of the Power Transfer Control	PC 3.x
43591	Retransfer Timer	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Units: Seconds Lower Limit: NA Upper Limit: NA Default: NA	Countdown value of the retransfer timer	PC 3.x
43592	Retransfer Timer Status	Read Only	0: Not Timing 1: Timing 2: Expired	Indicates status of the retransfer timer	PC 3.x
43593	Speed Droop Enable Command	Read Only	0: Inactive 1: Active	Command value of speed droop enable	PC 2.x, PC 3.x
43594	Speed Droop Status	Read Only	0: Droop Disabled 1: Droop Enabled	Indicates whether or not speed droop is in effect	PC 2.x, PC 3.x
43595	Transfer Timer	Read Only	Multiplier : 0.1 Offset: 0 Size (bits): 16 Sign: U Units: Seconds Lower Limit: NA Upper Limit: NA Default: NA	Countdown value of the transfer timer	PC3.x
43596	Transfer Timer Status	Read Only	0: Not Timing 1: Timing 2: Expired	Indicates status of the transfer timer	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43597	Utility CB Close Command	Read Only	0: Inactive 1: Active	Utility cb close command status	PC 3.x
43598	Utility CB Open Command	Read Only	0: Inactive 1: Active	Utility cb open command status	PC 3.x
43599	Utility CB Position Status	Read Only	0: Open 1: Closed 2: Not Available	Indicates utility breaker position	PC 3.x
43600	Load Govern kW Method	Read/Write	0: Genset kW 1: Genset kW w/Utility Constraint 2: Utility kW	Use to select how generator set kW output will be controlled when paralleled to utility.	PC 3.x
43608	Configurable Output #1 Event Code	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	The event code for this output.	PC 2.x, PC 3.x
43610	Configurable Output #2 Event Code	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	The event code for this output.	PC 2.x, PC 3.x
43613	Configurable Output #20 Event Code	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	The event code for this output.	PC 3.x
43616	Configurable Output #21 Event Code	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	The event code for this output.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43619	Configurable Output #22 Event Code	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	The event code for this output.	PC 3.x
43622	Configurable Output #3 Event Code	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	The event code for this output.	PC 2.x, PC 3.x
43625	Configurable Output #4 Event Code	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	The event code for this output.	PC 2.x, PC 3.x
43641	Delayed Shutdown Enable	Read/Write	0: Disabled 1: Enabled	Enables the Delayed Shutdown feature.	PC 2.x, PC 3.x
43642	Delayed Shutdown Time Delay	Read/Write	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 0 Upper Limit: 3	Sets the shutdown fault delayed time delay for the Delayed Shutdown feature.	PC 2.x, PC 3.x
43643	Remote Fault Reset Enabled	Read/Write	0: Disable 1: Enable	Trim to enable Remote Fault Reset. Can only reset Warning Faults	PC 2.x, PC 3.x
43644	Fail To Shutdown Delay	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 0 Upper Limit: 30	Trim to set the time for a shutdown fault to be active and the generator set not shutting down before the Fail to Shutdown fault occurs.	PC 2.x, PC 3.x
43645	LCL Detection Response	Read/Write	0: None 1: Warning 2: Shutdown	Sets low coolant level fault response to None, Warning, or Shutdown.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43646	LCT Warning Clear Time	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 8 Sign: U Unit: Minutes Lower Limit: 0 Upper Limit: 30	Sets time to clear the low coolant temperature fault.	PC 2.x, PC 3.x
43647	LCT Warning Set Time	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 8 Sign: U Unit: Minutes Lower Limit: 0 Upper Limit: 30	Sets time to set the low coolant temperature fault.	PC 2.x, PC 3.x
43648	LCT Warning Threshold	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: -20 Upper Limit: 100	Sets threshold for the low coolant temperature fault warning.	PC 2.x, PC 3.x
43649	V/Hz Knee Frequency	Read/Write	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: Hz Lower Limit: 0 Upper Limit: 10	The voltage will roll off (decrease) proportionally to the V/Hz setup, once the frequency drops below the set point in the V/Hz Knee Frequency. This allows the generator set to recover faster when the frequency drops.	PC 2.x, PC 3.x
43650	V/Hz Rolloff Slope	Read/Write	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: % / Hz Lower Limit: 0 Upper Limit: 10	The amount of voltage roll off when the frequency is below the knee frequency	PC 2.x, PC 3.x
43651	12 V High Battery Voltage Threshold	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: Vdc Lower Limit: 14 Upper Limit: 17	Sets 12V high battery voltage fault threshold.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43652	12 V Low Battery Voltage Running Threshold	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: Vdc Lower Limit: 12 Upper Limit: 16	Sets 12V low battery voltage fault threshold for generator set operation while in rated mode	PC 2.x, PC 3.x
43653	12 V Low Battery Voltage Stopped Threshold	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: Vdc Lower Limit: 11 Upper Limit: 13	Sets 12V low battery voltage fault threshold for generator set operation in all modes except rated	PC 2.x, PC 3.x
43654	12 V Weak Battery Voltage Threshold	Read/Write	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: Vdc Lower Limit: 6 Upper Limit: 10	Sets 12V weak battery voltage fault threshold	PC 2.x, PC 3.x
43655	24 V High Battery Voltage Threshold	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: Vdc Lower Limit: 28 Upper Limit: 34	Sets 24V high battery voltage fault threshold	PC 2.x, PC 3.x
43656	24 V Low Battery Voltage Running Threshold	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: Vdc Lower Limit: 24 Upper Limit: 28	Sets 24V low battery voltage fault threshold for generator set operation while in rated mode	PC 2.x, PC 3.x
43657	24 V Low Battery Voltage Stopped Threshold	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: Vdc Lower Limit: 24 Upper Limit: 26	Sets 24V low battery voltage fault threshold for generator set operation in all modes except rated	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43658	24 V Weak Battery Voltage Threshold	Read/Write	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: Vdc Lower Limit: 12 Upper Limit: 16	Sets 24V weak battery voltage fault threshold	PC 2.x, PC 3.x
43659	Adjustable Freq/Speed Gain	Read/Write	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: U Unit: RPM/Hz Lower Limit: 12 Upper Limit: 240	Sets the RPM/Hz conversion factor when the Freq to Speed Gain Select trim is set to this trim	PC 2.x, PC 3.x
43660	Alternate Frequency Switch	Read Only	0: 50 Hz 1: 60 Hz	Sets the generator set nominal frequency.	PC 2.x, PC 3.x
43661	AVR Gain Adjust Trim	Read/Write	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0.05 Upper Limit: 10	A trim that allows the user to modify the overall gains of the AVR.	PC 2.x, PC 3.x
43662	Charging Alternator Fault Time Delay	Read/Write	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 2 Upper Limit: 300	Sets the time delay for the charging alt failure fault	PC 2.x, PC 3.x
43663	Continuous Crank Engage Time	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 40 Upper Limit: 100	Sets the maximum amount of time to engage the starter when using the continuous cranking method	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43664	Controlled Shutdown Advance Notice Delay	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 0 Upper Limit: 300	Delay allowed for a shutdown with cooldown fault prior to shutting down the generator set	PC 3.x
43665	Crank Attempts	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 1 Upper Limit: 7	Sets the maximum number of times to engage the starter when attempting to start engine using the cycle cranking method	PC 2.x, PC 3.x
43666	Cycle / Cont Crank Select	Read Only	0: Cycle 1: Continuous	Selects whether to use continuous cranking or cycle cranking when attempting to start engine	PC 2.x, PC 3.x
43667	Cycle Crank Engage Time	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 2 Upper Limit: 20	Sets the maximum amount of time to engage the starter during a single crank attempt when using the cycle cranking method	PC 2.x, PC 3.x
43668	Cycle Crank Rest Time	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 7 Upper Limit: 40	Sets the amount of time to wait between crank attempts	PC 2.x, PC 3.x
43669	Delayed Off FSO Relay Time	Read/Write	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 0 Upper Limit: 120	Time delay between when the Delayed Off Command turns off and Run Command turns off	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43670	External AVR Knee Frequency	Read / Write	Multiplier : 0.1 Offset: 0 Size (bits): 16 Sign: U Units: Hz Lower Limit: 0 Upper Limit: 10 Default: NA	Sets the knee frequency for the fixed knee freq logic.	PC 2.x, PC 3.x
43671	External Bias Commands Enable	Read/Write	0: Disabled 1: Enabled	Enables the external bias (speed and voltage commands) to the hardware outputs.	PC 3.x
43672	Frequency Adjust	Read/Write	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: S Units: Hz Lower Limit: -6 Upper Limit: 6	A method of adding in a frequency offset to the base frequency subject to high and low limit calibrations	PC 2.x, PC 3.x
43673	Genset Exercise Time	Read/Write	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: hours Lower Limit: 0 Upper Limit: 25	Sets the total exercise time not including warmup at idle or idle cooldown time	PC 2.x, PC 3.x
43674	Governor Gain Adjust	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0.05 Upper Limit: 15	A trim that allows the user to modify the overall gain of the governor	PC 2.x, PC 3.x
43675	High Battery Voltage Set Time	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 2 Upper Limit: 60	The time delay until a high battery voltage condition is reported as a fault.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43676	High Battery Voltage Threshold	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: Vdc Lower Limit: Upper Limit:	The high battery voltage threshold	PC 2.x, PC 3.x
43677	Idle Cooldown Time	Read/Write	Multiplier: 0.25 Offset: 0 Size (bits): 16 Sign: U Unit: minutes Lower Limit: 0 Upper Limit: 60	Sets time to run at idle before shutting down generator set on normal stops	PC 2.x, PC 3.x
43678	Idle Speed	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: RPM Lower Limit: 700 Upper Limit: 1100	Sets the speed at which the engine will idle subject to high and low limit calibrations	PC 2.x, PC 3.x
43679	Idle to Rated Ramp Time	Read/Write	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 0 Upper Limit: 30	The time over which the speed reference is to ramp from idle speed to rated speed	PC 2.x, PC 3.x
43680	Idle Warmup Coolant Temp	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: -40 Upper Limit: 300	Coolant temperature threshold to end idle warmup time	PC 2.x, PC 3.x
43681	Idle Warmup Time	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 0 Upper Limit: 3600	Sets maximum idle warmup time. Warmup time may be less if coolant temperature exceeds threshold	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43682	Load Dump Activation Method	Read/Write	0: Overload 1: Underfrequency 2: Overload or Underfrequency 3: Disabled	Enables the load dump output as a function of the overload and underfrequency conditions	PC 2.x, PC 3.x
43683	Load Dump Overload Set Time	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 0 Upper Limit: 120	The time delay until the load dump overload condition is set active	PC 2.x, PC 3.x
43684	Load Dump Overload Threshold	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: % Lower Limit: 80 Upper Limit: 140	The load dump overload threshold as a percentage of the generator set application rating	PC 2.x, PC 3.x
43685	Load Dump Underfrequency Offset	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: Hz Lower Limit: 0 Upper Limit: 10	The frequency amount which the load dump underfrequency threshold is below the final frequency reference	PC 2.x, PC 3.x
43686	Load Dump Underfrequency Set Time	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 0 Upper Limit: 20	The time delay until the load dump underfrequency condition is set active	PC 2.x, PC 3.x
43687	Load Dump Underfrequency Threshold	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: Hz Lower Limit: 0 Upper Limit: 90	The frequency trip threshold for the load dump underfrequency condition	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43688	Low Battery Voltage Set Time	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 2 Upper Limit: 60	The time delay until a low battery voltage condition is reported as a fault	PC 2.x, PC 3.x
43689	Low Fuel in Day Tank Time	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 0 Upper Limit: 20	Low Fuel in Day Tank Fault time delay from switch input	PC 2.x, PC 3.x
43690	Low Fuel Set/Clear Time	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 2 Upper Limit: 60	A trim that sets the delay time for generating the inactive and active faults	PC 2.x, PC 3.x
43691	Manual Warmup Bypass	Read/Write	0: Normal 1: Bypass Warmup	Use to command idle speed or to bypass idle warmup during a manual run	PC 2.x, PC 3.x
43692	Max Idle Time	Read/Write	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: minutes Lower Limit: 0 Upper Limit: 20	Sets the fault time for the Too Long in Idle fault	PC 2.x, PC 3.x
43693	Nominal Battery Voltage	Read Only	0: 12V 1: 24V	Selects the generator set's nominal battery operating voltage	PC 2.x, PC 3.x
43694	Prelube Cycle Enable	Read/Write	0: Disabled 1: Enabled	Enables Or Disables the cyclic mode of prelube operation	PC 2.x, PC 3.x
43695	Prelube Cycle Time	Read/Write	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: hours Lower Limit: 1 Upper Limit: 1000	Sets the period of the Prelube Cycle Iteration	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43696	Prelube Function Enable	Read/Write	0: Disabled 1: Enabled	Selects whether the Prelube function is enabled or disabled. This is Setup mode interlocked	PC 2.x, PC 3.x
43697	Prelube Oil Pressure Threshold	Read/Write	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: psig Lower Limit: 0 Upper Limit: 10	The oil pressure value which when reached the prelube driver will turn off	PC 2.x, PC 3.x
43698	Prelube Timeout Period	Read/Write	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 0 Upper Limit: 30	Sets the maximum time for which the Prelube Driver will Remain ON	PC 2.x, PC 3.x
43699	Rated to Idle Ramp Time	Read/Write	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 0 Upper Limit: 30	The time over which the speed reference is to ramp from rated speed to idle speed	PC 2.x, PC 3.x
43700	Utility Availability Status	Read Only	0: Not Available 1: Available 2: Unknown	Indicates status of the utility source	PC 3.x
43701	Utility CB Inhibit Command	Read Only	0: Inactive 1: Active	Utility cb inhibit command	PC 3.x
43702	Utility CB Tripped Command	Read Only	0: Inactive 1: Active	Utility cb tripped command	PC 3.x
43703	Utility Current Based Breaker Position	Read Only	0: Unknown 1: Closed	Indicates utility breaker position based on current	PC 3.x
43704	Utility Frequency Lower Drop-Out Threshold	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: Hz Lower Limit: Upper Limit:	Indicates the lower drop-out threshold in Hz for utility frequency sensor	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43705	Utility Frequency Lower Pick-Up Threshold	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: Hz Lower Limit: Upper Limit:	Indicates the lower pick-up threshold in Hz for utility frequency sensor	PC 3.x
43706	Utility Frequency Sensor Status	Read Only	0: Unknown 1: Picked Up 2: Dropped Out	Indicates utility frequency sensor status	PC 3.x
43707	Utility Frequency Upper Drop-Out Threshold	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: Hz Lower Limit: Upper Limit:	Indicates the upper drop-out threshold in Hz for utility frequency sensor	PC 3.x
43708	Utility Frequency Upper Pick-Up Threshold	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: Hz Lower Limit: Upper Limit:	Indicates the upper pick-up threshold in Hz for utility frequency sensor	PC 3.x
43709	Utility Loss of Phase Sensor Status	Read Only	0: Unknown 1: Picked Up 2: Dropped Out	Indicates utility loss of phase sensor status	PC 3.x
43710	Utility Overvoltage Drop-Out Threshold	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: Upper Limit:	Indicates the drop-out threshold in volts for utility over voltage sensor	PC 3.x
43711	Utility Overvoltage Pick-Up Threshold	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: Upper Limit:	Indicates the pick-up threshold in volts for utility over voltage sensor	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43712	Utility Overvoltage Sensor Status	Read Only	0: Unknown 1: Picked Up 2: Dropped Out	Indicates utility over voltage sensor status	PC 3.x
43713	Utility Phase Rotation Sensor Status	Read Only	0: Unknown 1: Picked Up 2: Dropped Out	Indicates utility phase rotation sensor status	PC 3.x
43714	Utility Undervoltage Drop-Out Threshold	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: Upper Limit:	Indicates the drop-out threshold in volts for utility under voltage sensor	PC 3.x
43715	Utility Undervoltage Pick-Up Threshold	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Vac Lower Limit: Upper Limit:	Indicates the pick-up threshold in volts for utility under voltage sensor	PC 3.x
43716	Utility Undervoltage Sensor Status	Read Only	0: Unknown 1: Picked Up 2: Dropped Out	Indicates utility under voltage sensor status	PC 3.x
43717	Voltage Droop Enable Command	Read Only	0: Inactive 1: Active	Command value of voltage droop enable	PC 2.x, PC 3.x
43719	Alternator Temperature 1 (Aux101)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: -32767 Upper Limit: 32762	Monitor point for the Alternator Temperature 1 input from the Aux 101 I/O module.	PC 2.x, PC 3.x
43720	Alternator Temperature 2 (Aux101)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: -32767 Upper Limit: 32762	Monitor point for the Alternator Temperature 2 input from the Aux 101 I/O module.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43721	Alternator Temperature 3 (Aux101)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: -32767 Upper Limit: 32762	Monitor point for the Alternator Temperature 3 input from the Aux 101 I/O module.	PC 2.x, PC 3.x
43722	Ambient Temperature (Aux101)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: -32767 Upper Limit: 32762	Monitor point for the Ambient Temperature input from the Aux 101 I/O module.	PC 2.x, PC 3.x
43723	Aux101 0 Analog Input 1 Voltage	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: S Unit: Vdc Lower Limit: -500 Upper Limit: 500	Monitor point for the module 0 analog input 1 in volts	PC 2.x, PC 3.x
43724	Aux101 0 Analog Input 2 Voltage	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: S Unit: Vdc Lower Limit: -500 Upper Limit: 500	Monitor point for the module 0 analog input 2 in volts	PC 2.x, PC 3.x
43725	Aux101 0 Analog Input 3 Voltage	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: S Unit: Vdc Lower Limit: Upper Limit:	Monitor point for the module 0 analog input 3 in volts	PC 2.x, PC 3.x
43726	Aux101 0 Analog Input 4 Voltage	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: S Unit: Vdc Lower Limit: Upper Limit:	Monitor point for the module 0 analog input 4 in volts	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43727	Aux101 0 Analog Input 5 Voltage	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: S Unit: Vdc Lower Limit: Upper Limit:	Monitor point for the module 0 analog input 5 in volts	PC 2.x, PC 3.x
43728	Aux101 0 Analog Input 6 Voltage	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: S Unit: Vdc Lower Limit: Upper Limit:	Monitor point for the module 0 analog input 6 in volts	PC 2.x, PC 3.x
43729	Aux101 0 Analog Input 7 Voltage	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: S Unit: Vdc Lower Limit: Upper Limit:	Monitor point for the module 0 analog input 7 in volts	PC 2.x, PC 3.x
43730	Aux101 0 Analog Input 8 Voltage	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: S Unit: Vdc Lower Limit: Upper Limit:	Monitor point for the module 0 analog input 8 in volts	PC 2.x, PC 3.x
43731	Aux101 1 Analog Input 1 Voltage	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: S Unit: Vdc Lower Limit: -500 Upper Limit: 500	Monitor point for the module 1 analog input 1 in volts	PC 2.x, PC 3.x
43732	Aux101 1 Analog Input 2 Voltage	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: S Unit: Vdc Lower Limit: -500 Upper Limit: 500	Monitor point for the module 1 analog input 2 in volts	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43733	Aux101 1 Analog Input 3 Voltage	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: S Unit: Vdc Lower Limit: Upper Limit:	Monitor point for the module 1 analog input 3 in volts	PC 2.x, PC 3.x
43734	Aux101 1 Analog Input 4 Voltage	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: S Unit: Vdc Lower Limit: Upper Limit:	Monitor point for the module 1 analog input 4 in volts	PC 2.x, PC 3.x
43735	Aux101 1 Analog Input 5 Voltage	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: S Unit: Vdc Lower Limit: Upper Limit:	Monitor point for the module 1 analog input 5 in volts	PC 2.x, PC 3.x
43736	Aux101 1 Analog Input 6 Voltage	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: S Unit: Vdc Lower Limit: Upper Limit:	Monitor point for the module 1 analog input 6 in volts	PC 2.x, PC 3.x
43737	Aux101 1 Analog Input 7 Voltage	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: S Unit: Vdc Lower Limit: Upper Limit:	Monitor point for the module 1 analog input 7 in volts	PC 2.x, PC 3.x
43738	Aux101 1 Analog Input 8 Voltage	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: S Unit: Vdc Lower Limit: Upper Limit:	Monitor point for the module 1 analog input 8 in volts	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43739	Battery Charger AC Failure (HMI113)	Read Only	0: Inactive 1: Active	Monitor point for the battery charger failure input from the PCCNet annunciator.	PC 2.x, PC 3.x
43740	Drive End Bearing Temperature (Aux101)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: -32767 Upper Limit: 32762	Monitor point for the Drive End Bearing Temperature input from the I/O module.	PC 2.x, PC 3.x
43741	Exhaust Stack Temperature 1 (Aux101)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: -32767 Upper Limit: 32762	Monitor point for the Exhaust Stack Temperature1 input from the I/O module.	PC 2.x, PC 3.x
43742	Exhaust Stack Temperature 2 (Aux101)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: -32767 Upper Limit: 32762	Monitor point for the Exhaust Stack Temperature2 input from the I/O module.	PC 2.x, PC 3.x
43745	Fuel Level % (PCCNet)	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: % Lower Limit: Upper Limit:	Monitor point for the % fuel level input from the I/O module.	PC 2.x, PC 3.x
43746	Fuel Level (PCCNet)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: Lower Limit: Upper Limit:	Monitor point for the fuel level (in gallons) input from the I/O module.	PC 2.x, PC 3.x
43747	HMI113 Fault 1 Status	Read Only	0: Inactive 1: Active	Monitor point for input #1 from the annunciator.	PC 2.x, PC 3.x
43748	HMI113 Fault 2 Status	Read Only	0: Inactive 1: Active	Monitor point for input #2 from the annunciator.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43749	HMI113 Fault 3 Status	Read Only	0: Inactive 1: Active	Monitor point for the input #3 from the annunciator.	PC 2.x, PC 3.x
43750	Intake Manifold Temperature 1 (Aux101)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: -32768 Upper Limit: 32762	Monitor point for the Intake Manifold Temperature 1 input from the I/O module.	PC 2.x, PC 3.x
43751	Low Coolant Level (HMI113)	Read Only	0: Inactive 1: Active	Monitor point for the Low Coolant Level input from the PCCNet annunciator.	PC 2.x, PC 3.x
43752	Low Fuel Level (HMI113)	Read Only	0: Inactive 1: Active	Monitor point for the Low Fuel Level input from the PCCNet annunciator.	PC 2.x, PC 3.x
43755	Non-Drive End Bearing Temperature (Aux101)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: -32768 Upper Limit: 32762	Monitor point for the Non-Drive End Bearing Temperature input from the I/O module.	PC 2.x, PC 3.x
43756	Number of Connected Bargraph Modules	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 255	Used to monitor the amount of connected bargraph modules.	PC 2.x, PC 3.x
43757	Oil Temperature (Aux101)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: -65534 Upper Limit: 65535	Monitor point for the Oil Temperature input from the I/O Module.	PC 2.x, PC 3.x
43758	Modbus Bus Message Count	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: Upper Limit	Modbus bus message count	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43759	Modbus CRC Errors Count	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: Upper Limit	Modbus CRC errors count	PC 2.x, PC 3.x
43760	Modbus Exception Count	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: Upper Limit	Modbus exception count	PC 2.x, PC 3.x
43761	Modbus No Response Count	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: Upper Limit	Modbus no response count	PC 2.x, PC 3.x
43762	Modbus Slave Message Count	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: Upper Limit	Modbus slave message count	PC 2.x, PC 3.x
43763	Frequency Match Error	Read Only	Multiplier: 0.001 Offset: 0 Size (bits): 16 Sign: S Unit: Hz Lower Limit: Upper Limit	frequency match error value used by frequency match PI loop	PC 3.x
43764	Frequency Match Offset	Read Only	Multiplier : 0.001 Offset: 0 Size (bits): 16 Sign: S Unit: Hz Lower Limit: Upper Limit Default: NA	Offset to the frequency match error calculation	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43765	Load Dump Request	Read Only	0: Inactive 1: Active	Indicates a load dump is desired due to load exceeding derate level.	PC 2.x, PC 3.x
43766	Load Govern kVAR Ramp State	Read Only	0: Not Applicable 1: Ramp Load 2: Track Target 3: Ramp Unload 4: Ramp Unload Complete	Indicates status of load govern kVAR ramping control	PC 3.x
43767	Load Govern kVAR Target	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: S Unit: % Lower Limit: Upper Limit Default: NA	Indicates the final target setpoint for generator set kVAR output when paralleled to utility	PC 3.x
43768	Load Govern kW Ramp State	Read Only	0: Not Applicable 1: Ramp Load 2: Track Target 3: Ramp Unload 4: Ramp Unload Complete	Indicates status of load govern kW ramping control	PC 3.x
43769	Load Govern kW Target	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: S Unit: % Lower Limit: Upper Limit Default: NA	Indicates the final target setpoint for generator set kW output when paralleled to utility	PC 3.x
43770	Permissive Close Allowed	Read Only	0: Not Allowed 1: Allowed	Indicates when permissive sync check conditions have been met	PC 3.x
43772	Permissive Phase Match Error	Read Only	Multiplier : 0.01 Offset: 0 Size (bits): 16 Sign: S Units: deg Lower Limit: NA Upper Limit: NA Default: NA	Phase error signal for the permissive sync check algorithm	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43773	Phase Match Error	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: S Units: deg Lower Limit: Upper Limit:	Phase error signal for the synchronizer control algorithm	PC 3.x
43774	Ramp Load/Unload Command	Read Only	0: Load 1: Unload	Indicates overall status of ramp load unload inputs	PC 3.x
43775	Utility Unloaded Status	Read Only	0: Not Available 1: Not Unloaded 2: Unloaded	Indicates unloaded status of the utility source	PC 3.x
43776	Genset CB Close Status	Read Only	0: Inactive 1: Active	Indicates if the output's status is Inactive or Active	PC 3.x
43777	Start Type/Configurable Input #11 Switch	Read Only	0: Inactive 1: Active	This is the status of the Configurable Input #11.	PC 2.x, PC 3.x
43778	Scheduler Run Command	Read Only	0: Off 1: No Load 2: With Load 3: Extended Parallel	Indicates the current run command coming from the scheduler.	PC 2.x, PC 3.x
43785	Start Attempts Since Reset	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: U Unit: Lower Limit: 0 Upper Limit: 4294967290	Number of start attempts since the last reset.	PC 2.x, PC 3.x
43786	Start Attempts Since Reset	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: U Unit: Lower Limit: 0 Upper Limit: 4294967290	Number of start attempts since the last reset.	PC 2.x, PC 3.x
43787	Total Start Attempts	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: U Unit: Lower Limit: 0 Upper Limit: 4294967290	Total number of start attempts.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43788	Total Start Attempts	Read Only	Multiplier: 1 Offset: 0 Size (bits): 32 Sign: U Unit: Lower Limit: 0 Upper Limit: 4294967290	Total number of start attempts.	PC 2.x, PC 3.x
43789	Backup Start Disconnect/Configurable Input #33 Switch	Read Only	0: Inactive 1: Active	This is the status of the Configurable Input #33.	PC 3.x
43790	Backup Start Disconnect Switch	Read Only	0: Inactive 1: Active	Status of the Backup Start Disconnect Switch Input	PC 3.x
43791	Battery Charger Failed Switch	Read Only	0: Inactive 1: Active	Battery Charger Failed Switch function output status; gives software Inactive/Active state	PC 2.x, PC 3.x
43792	Battle Short Switch	Read Only	0: Inactive 1: Active	Battle Short Switch function output status (Active or Inactive)	PC 2.x, PC 3.x
43793	Configurable Input #1 Switch	Read Only	0: Inactive 1: Active	Configurable Input #1 input software state status. Gives software Inactive/Active state	PC 2.x, PC 3.x
43794	Configurable Input #2 Switch	Read Only	0: Inactive 1: Active	Configurable Input #2 input software state status. Gives software Inactive/Active state	PC 2.x, PC 3.x
43795	Configurable Input #13 Switch	Read Only	0: Inactive 1: Active	Configurable Input #13 input software state status. Gives software Inactive/Active state	PC 2.x, PC 3.x
43796	Genset CB Open Command	Read Only	0: Inactive 1: Active	Generator set cb open command status	PC 3.x
43797	Number of Connected Battery Chargers	Read Only	Multiplier : 1 Offset: 0 Size (bits): 8 Sign: U Units: NA Lower Limit: 0 Upper Limit: 255 Default: NA	Used to monitor the amount of connected Battery Chargers	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43800	Rated Cooldown Time	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 0 Upper Limit: 600	Minimum time to spend at rated speed less than 10% load before normal shutdown is allowed	PC 2.x, PC 3.x
43801	Rated to Idle Transition Delay	Read/Write	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 0 Upper Limit: 10	Sets the delay time for transitioning from Rated to Idle speed. 0 seconds = feature is disabled.	PC 2.x, PC 3.x
43802	Rupture Basin Time	Read/Write	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 0 Upper Limit: 20	Rupture Basin fault time delay	PC 2.x, PC 3.x
43803	Start Time Delay	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 0 Upper Limit: 300	Sets the time to wait from receiving a valid remote start signal until starting the generator set	PC 2.x, PC 3.x
43804	Starting to Rated Ramp Time	Read/Write	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 0 Upper Limit: 300	The time over which the speed reference is to ramp from starting speed to rated speed	PC 2.x, PC 3.x
43805	Time Delay to Stop	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 0 Upper Limit: 600	Sets time to run at rated speed before going to cooldown at idle. Does not apply to manual runs	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43806	Voltage Adjust	Read/Write	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: S Unit: % Lower Limit: -5 Upper Limit: 5	A trim that allows the user to add/subtract an offset to the nominal voltage when calculating the voltage setpoint	PC 2.x, PC 3.x
43807	Voltage Ramp Time	Read/Write	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 0 Upper Limit: 5	The time period over which the voltage setpoint command should rise from 0% to the target voltage	PC 2.x, PC 3.x
43808	Commit to Transfer State	Read Only	0: Not Committed 1: Committed	PTC - Indicates if system is committed to transferring to generator set	PC 3.x
43810	Battle Short Switch (Modbus)	Read/Write	0: Inactive 1: Committed	Trim to enable Battle Short via Modbus.	PC 2.x, PC 3.x
43811	Exercise Switch (Modbus)	Read/Write	0: Inactive 1: Active	Modbus exercise switch	PC 2.x, PC 3.x
43813	Extended Parallel Switch (Modbus)	Read/Write	0: Inactive 1: Active	Modbus extended parallel switch	PC 2.x, PC 3.x
43814	PTC Mode Switch (Modbus)	Read/Write	0: Inactive 1: Active	Modbus PTC Mode switch	PC 3.x
43815	Start Type (Modbus)	Read/Write	0: Emergency 1: Non Emergency	Modbus start type switch	PC 2.x, PC 3.x
43816	Sync Disable	Read / Write	0: Inactive 1: Active	Use to turn off synchronizer for testing purposes	PC 3.x
43817	Genset Circuit Breaker Inhibit	Read/Write	0: Inactive 1: Active	Identical operation to the configurable input of the same name. Opens genset breaker if closed; inhibits closure if genset breaker is open	PC 3.x
43818	Isolated Bus Speed Control Method	Read/Write	0: Constant 1: Droop	Sets the speed control method for isolated bus paralleling. Parameter is also known as Load Share Speed Droop Control Method	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43819	Isolated Bus Voltage Control Method	Read/Write	0: Constant 1: Droop	Sets the voltage control method for isolated bus paralleling	PC 2.x, PC 3.x
43820	Maximum Parallel Time (TDMP)	Read/Write	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 0 Upper Limit: 1800	Sets the maximum time that the generator set can remain paralleled to the utility during closed transition transfers	PC 3.x
43821	Programmed Transition Delay (TDPT)	Read/Write	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 0 Upper Limit: 60	Sets the time delay from when one source opens until the other closes during open transition transfers	PC 3.x
43822	Retransfer Delay (TDEN)	Read/Write	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 0 Upper Limit: 1800	Sets the amount of time that the utility source must be available before the control will retransfer to that source.	PC 3.x
43823	Synchronizer Speed Control Method	Read/Write	0: Phase Match 1: Slip Frequency 2: External	Sets the speed control method for synchronizing.	PC 3.x
43824	Synchronizer Voltage Control Method	Read/Write	0: Voltage Match 1: External	Sets the voltage control method for synchronizing.	PC 3.x
43825	Transfer Delay (TDNE)	Read/Write	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 0 Upper Limit: 120	Sets the amount of time that the generator set source must be available before the control will transfer to that source.	PC 3.x
43826	Transition Type	Read/Write	0: Open Transition 1: Hard Closed Transition 2: Soft Closed Transition	Sets the load transfer transition type for use when Generator set Application Type = Power Transfer Control.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43827	Retransfer Inhibit	Read/Write	0: Inactive 1: Active	Identical operation to the configurable input of the same name. Normally inhibits retransfer to the utility; under some conditions it is ignored; not the same as utility circuit breaker inhibit.	PC 3.x
43828	Utility Circuit Breaker Inhibit	Read/Write	0: Inactive 1: Active	Identical operation to the configurable input of the same name. Opens utility main if closed; inhibits closure if utility main is open.	PC 3.x
43829	Utility Parallel Speed Control Method	Read/Write	0: Load Govern 1: Droop	Sets the speed control method for utility paralleling.	PC 3.x
43830	Utility Parallel Voltage Control Method	Read/Write	0: Load Govern 1: Droop 2: Load Govern with Droop Feed Forward	Sets the voltage control method for utility paralleling.	PC 3.x
43831	Aux101 Device 0 PCCNet Failure Response Type	Read/Write	0: Critical Device Response 1: Non-Critical Device Response	Selects the generator set reaction to a loss of a Device 0 I/O module as critical (Shutdown) or non-critical (Warning).	PC 2.x, PC 3.x
43832	Aux101 Device 1 PCCNet Failure Response Type	Read/Write	0: Critical Device Response 1: Non-Critical Device Response	Selects the generator set reaction to a loss of a Device 1 I/O module as critical (Shutdown) or non-critical (Warning).	PC 2.x, PC 3.x
43834	HMI113 Annunciator PCCNet Failure Response Type	Read/Write	0: Critical Device Response 1: Non-Critical Device Response	Selects the generator set reaction to a loss of an annunciator as critical or non-critical. Selecting critical will cause a shutdown when the annunciator loses communication.	PC 2.x, PC 3.x
43835	HMI1xx PCCNet Failure Response Type	Read / Write	0: Critical Device Response 1: Non-Critical Device Response	Selects the genset reaction to a loss of an HMI1xx Operator Panel as critical or non-critical. A critical response will shutdown the genset when PCCNet communication is lost.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43836	HMI220 PCCNet Failure Response Type	Read/Write	0: Critical Device Response 1: Non-Critical Device Response	Selects the generator set reaction to a loss of an HMI220 operator panel as critical or non-critical. A critical response will shutdown the generator set when PCCNet communication is lost.	PC 2.x, PC 3.x
43837	HMI320 PCCNet Failure Response Type	Read/Write	0: Critical Device Response 1: Non-Critical Device Response	Selects the generator set reaction to a loss of an HMI320 operator panel as critical or non-critical. A critical response will shutdown the generator set when PCCNet communication is lost.	PC 2.x, PC 3.x
43838	HMI4xx PCCNet Failure Response Type	Read / Write	0: Critical Device Response 1: Non-Critical Device Response	Selects the genset reaction to a loss of an HMI4xx Operator Panel as critical or non-critical. A critical response will shutdown the genset when PCCNet communication is lost.	PC 2.x PC 3.x
43839	PCCNet Device Failure Time Delay	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 0 Upper Limit: 250	Selects the time allowed for arbitration to occur before a PCCNet failure fault is generated.	PC 2.x, PC 3.x
43840	Test With Load Enable	Read/Write	0: Disabled 1: Enabled	Use to choose whether a test is with load or without load.	PC 3.x
43841	Transfer Inhibit	Read/Write	0: Inactive 1: Active	Identical operation to the configurable input of the same name. Normally inhibits transfer to the genset; under some conditions it is ignored; not the same as genset circuit breaker inhibit.	PC 3.x
43842	Commit to Transfer Method	Read/Write	0: Utility Disconnect 1: Genset Start 2: No Commit	PTC - sets point at which system commits to transfer to generator set	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43843	Commit to Transfer Timeout	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 0 Upper Limit: 3200	PTC - sets time system will wait for generator set when committed to transfer	PC 3.x
43844	Commit to Transfer Timer	Read Only	Multiplier: 0.05 Offset: 0 Size (bits): 16 Sign: U Unit: sec Lower Limit: Upper Limit:	PTC - remaining time system to wait for generator set when committed to transfer	PC 3.x
43845	Modbus Failure Time Delay	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 0 Upper Limit: 10	Time delay before the control activates the Modbus failure fault after the Master is sensed as no longer present.	PC 2.x, PC 3.x
43846	Modbus Communications Lost Response Method	Read/Write	0: Do Nothing 1: Reset Commands	When set to Reset Commands will reset the Modbus control logicals to an inactive state when Modbus communications are lost	PC 2.x, PC 3.x
43847	Modbus Clear Counters	Read/Write	0: Do Nothing 1: Clear Counters	Resets all Modbus counters, including J14 if applicable.	PC 2.x, PC 3.x
43848	Controlled Shutdown Max Ramp Unload Time	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 0 Upper Limit: 300	maximum ramp unload time during a shutdown with cooldown	PC 3.x
43849	Genset kVAR Setpoint	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: kVAR Lower Limit: 0 Upper Limit: 20000	Sets the generator set load govern kVAR base load internal operating setpoint in units of kVAR. Requires that Load Govern kVAR Setpoint Source = Internal and Load Govern kVAR Method = generator set kVAR.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43850	Genset kVAR Setpoint Percent	Read/Write	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: S Unit: % Lower Limit: 0 Upper Limit: 60	Sets the generator set load govern kVAR base load internal operating setpoint in % of standby kVA rating. Requires that Load Govern kVAR Setpoint Source = Internal and Load Govern kVAR Method = generator set kVAR.	PC 3.x
43851	Genset kW Setpoint	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: kW Lower Limit: 0 Upper Limit: 20000	Sets the generator set load govern kW base load internal operating setpoint in units of kW. Requires that Load Govern kW Setpoint Source = Internal and Load Govern kW Method = Genset kW.	PC 3.x
43852	Genset kW Setpoint Percent	Read/Write	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: S Unit: % Lower Limit: 0 Upper Limit: 100	Sets the generator set load govern kW base load internal operating setpoint in % of standby rating. Requires that Load Govern kW Setpoint Source = Internal and Load Govern kW Method = Genset kW.	PC 3.x
43853	Genset Power Factor Setpoint	Read/Write	Multiplier: 0.01 Offset: 0 Size (bits): 8 Sign: S Unit: PF Lower Limit: 0.7 Upper Limit: 1	Sets the load govern setpoint for generator set power factor control. Requires that Load Govern kVAR Setpoint Source = Internal and Load Govern kVAR Method = Genset Power Factor.	PC 3.x
43854	Load Demand Stop (Modbus)	Read/Write	0: Inactive 1: Active	Modbus input for activating load demand stop on the generator set	PC 3.x
43855	Load Govern kVAR Method	Read/Write	0: Genset kVAR 1: Genset Power Factor 2: Utility kVAR 3: Utility Power Factor	Use to select how generator set kVAR output will be controlled when paralleled to utility.	PC 3.x
43856	Load Govern kVAR Ramp Load Time	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 0 Upper Limit: 900	Sets load govern kVAR ramp load rate = Genset Standby kVA * 0.6/ this time.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43857	Load Govern kVAR Ramp Unload Time	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 0 Upper Limit: 900	Sets load govern kVAR ramp unload rate = Genset Standby kVA * 0.6/ this time.	PC 3.x
43858	Utility Breaker Opening Point	Read/Write	0: After Transfer Delay 1: Upon Utility Failure	PTC - point in time at which system opens utility breaker	PC 3.x
43859	Load Govern kW Ramp Load Time	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 0 Upper Limit: 900	Sets load govern kW ramp load rate = Genset Standby kW rating/ this time.	PC 3.x
43860	Load Govern kW Ramp Unload Time	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: seconds Lower Limit: 0 Upper Limit: 900	Sets load govern kW ramp unload rate = Genset Standby kW rating/ this time.	PC 3.x
43861	Ramp Load/Unload (Modbus)	Read/Write	0: Load 1: Unload	Use to control ramp load and unload via Modbus	PC 3.x
43862	Slip Frequency	Read/Write	Multiplier: 0.001 Offset: 0 Size (bits): 16 Sign: S Unit: Hz Lower Limit: -3 Upper Limit: 3	Sets the synchronizer slip frequency. Requires that Sync Speed Control Method = Slip Frequency.	PC 3.x
43863	Utility kVAR Setpoint	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: kVAR Lower Limit: -20000 Upper Limit: 20000	Sets the utility kVAR peak shave internal operating setpoint in units of kVAR. Requires that Load Govern kVAR Setpoint Source = Internal and Load Govern kVAR Method = Utility kVAR	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43864	Utility kVAR Setpoint Percent	Read/Write	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: S Unit: % Lower Limit: -320 Upper Limit: 320	Sets the utility kVAR peak shave internal operating setpoint in % of generator set standby kVA rating. Requires that Load Govern kVAR Setpoint Source = Internal and Load Govern kVAR Method = Utility kVAR.	PC 3.x
43865	Utility kW Constraint	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: kW Lower Limit: -20000 Upper Limit: 20000	Sets the utility kW minimum load level for constrained base load mode of operation. Requires that Load Govern kW Setpoint Source = Internal and Load Govern kW Method = Genset kW w/Utility Constraint.	PC 3.x
43866	Utility kW Constraint Percent	Read/Write	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: S Unit: % Lower Limit: -320 Upper Limit: 320	Sets utility kW minimum load level for constrained base load mode in % of generator set standby rating. Requires that Load Govern kW Setpoint Source = Internal and Load Govern kW Method = Genset kW w/Utility Constraint.	PC 3.x
43867	Utility kW Setpoint	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: kW Lower Limit: -20000 Upper Limit: 20000	Sets the utility kW peak shave internal operating setpoint in units of kW. Requires that Load Govern kW Setpoint Source = Internal and Load Govern kW Method = Utility kW.	PC 3.x
43868	Utility kW Setpoint Percent	Read/Write	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: S Unit: % Lower Limit: -320 Upper Limit: 320	Sets the utility kW peak shave internal operating setpoint in % of generator set standby rating. Requires that Load Govern kW Setpoint Source = Internal and Load Govern kW Method = Utility kW.	PC 3.x
43869	Utility Power Factor Setpoint	Read/Write	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: S Unit: PF Lower Limit: 0.7 Upper Limit: 1	Sets the internal setpoint for utility power factor control mode when paralleled to utility. Requires that Load Govern kVAR Setpoint Source = Internal and Load Govern kVAR Method = Utility Power Factor.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43870	Aux101 0 Output 2 Fault/Event	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Parameter to allow for the entry of the fault/event code which will turn the output relay on and off.	PC 2.x, PC 3.x
43871	Aux101 0 Output 4 Fault/Event	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Parameter to allow for the entry of the fault/event code which will turn the output relay on and off.	PC 2.x, PC 3.x
43872	Aux101 0 Output 5 Fault/Event	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Parameter to allow for the entry of the fault/event code which will turn the output relay on and off.	PC 2.x, PC 3.x
43873	Aux101 0 Output 6 Fault/Event	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Parameter to allow for the entry of the fault/event code which will turn the output relay on and off.	PC 2.x, PC 3.x
43874	Aux101 0 Output 7 Fault/Event	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Parameter to allow for the entry of the fault/event code which will turn the output relay on and off.	PC 2.x, PC 3.x
43875	Aux101 1 Output 1 Fault/Event	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Parameter to allow for the entry of the fault/event code which will turn the output relay on and off.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43876	Aux101 1 Output 2 Fault/Event	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Parameter to allow for the entry of the fault/event code which will turn the output relay on and off.	PC 2.x, PC 3.x
43877	Aux101 1 Output 3 Fault/Event	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Parameter to allow for the entry of the fault/event code which will turn the output relay on and off.	PC 2.x, PC 3.x
43878	Aux101 1 Output 4 Fault/Event	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Parameter to allow for the entry of the fault/event code which will turn the output relay on and off.	PC 2.x, PC 3.x
43879	Aux101 1 Output 5 Fault/Event	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Parameter to allow for the entry of the fault/event code which will turn the output relay on and off.	PC 2.x, PC 3.x
43880	Aux101 1 Output 6 Fault/Event	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Parameter to allow for the entry of the fault/event code which will turn the output relay on and off.	PC 2.x, PC 3.x
43881	Aux101 1 Output 7 Fault/Event	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Parameter to allow for the entry of the fault/event code which will turn the output relay on and off.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43882	Aux101 1 Output 8 Fault/Event	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Parameter to allow for the entry of the fault/event code which will turn the output relay on and off.	PC 2.x, PC 3.x
43883	Aux102 0 Output 10 Fault/Event	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Parameter to allow for the entry of the fault/event code which will turn the output relay on and off.	PC 2.x, PC 3.x
43884	Aux102 0 Output 11 Fault/Event	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Parameter to allow for the entry of the fault/event code which will turn the output relay on and off.	PC 2.x, PC 3.x
43885	Aux102 0 Output 12 Fault/Event	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Parameter to allow for the entry of the fault/event code which will turn the output relay on and off.	PC 2.x, PC 3.x
43886	Aux102 0 Output 13 Fault/Event	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Parameter to allow for the entry of the fault/event code which will turn the output relay on and off.	PC 2.x, PC 3.x
43887	Aux102 0 Output 14 Fault/Event	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Parameter to allow for the entry of the fault/event code which will turn the output relay on and off.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43888	Aux102 0 Output 15 Fault/Event	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Parameter to allow for the entry of the fault/event code which will turn the output relay on and off.	PC 2.x, PC 3.x
43889	Aux102 0 Output 16 Fault/Event	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Parameter to allow for the entry of the fault/event code which will turn the output relay on and off.	PC 2.x, PC 3.x
43890	Aux102 0 Output 9 Fault/Event	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Parameter to allow for the entry of the fault/event code which will turn the output relay on and off.	PC 2.x, PC 3.x
43891	Aux102 1 Output 10 Fault/Event	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Parameter to allow for the entry of the fault/event code which will turn the output relay on and off.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43892	Aux102 1 Output 11 Fault/Event	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Parameter to allow for the entry of the fault/event code which will turn the output relay on and off.	PC 2.x, PC 3.x
43893	Aux102 1 Output 12 Fault/Event	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Parameter to allow for the entry of the fault/event code which will turn the output relay on and off.	PC 2.x, PC 3.x
43894	Aux102 1 Output 13 Fault/Event	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Parameter to allow for the entry of the fault/event code which will turn the output relay on and off.	PC 2.x, PC 3.x
43895	Aux102 1 Output 14 Fault/Event	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Parameter to allow for the entry of the fault/event code which will turn the output relay on and off.	PC 2.x, PC 3.x
43896	Aux102 1 Output 15 Fault/Event	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Parameter to allow for the entry of the fault/event code which will turn the output relay on and off.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43897	Aux102 1 Output 16 Fault/Event	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Parameter to allow for the entry of the fault/event code which will turn the output relay on and off.	PC 2.x, PC 3.x
43898	Aux102 1 Output 9 Fault/Event	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Parameter to allow for the entry of the fault/event code which will turn the output relay on and off.	PC 2.x, PC 3.x
43900	HMI113 Output 1 Fault/Event	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Parameter to allow for the entry of the fault/event code which will turn the output relay on and off.	PC 2.x, PC 3.x
43901	HMI113 Output 2 Fault/Event	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Parameter to allow for the entry of the fault/event code which will turn the output relay on and off.	PC 2.x, PC 3.x
43902	HMI113 Output 3 Fault/Event	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Parameter to allow for the entry of the fault/event code which will turn the output relay on and off.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43903	HMI113 Output 4 Fault/Event	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Parameter to allow for the entry of the fault/event code which will turn the output relay on and off.	PC 2.x, PC 3.x
43905	Network Speed Adjust Command	Read/Write	0: Normal 1: Active	Used to command a fixed 0.5 Hz increase in the speed setpoint	PC 2.x, PC 3.x
43906	Speed Droop Enable Switch (Modbus)	Read/Write	0: Inactive 1: Active	Speed droop enable switch input status from Modbus	PC 2.x, PC 3.x
43907	Voltage Droop Enable Switch (Modbus)	Read/Write	0: Inactive 1: Active	Voltage droop enable switch input status from Modbus	PC 2.x, PC 3.x
43908	Genset CB Tripped Switch (Modbus)	Read/Write	0: Inactive 1: Active	Genset cb tripped from Modbus	PC 3.x
43909	Utility CB Tripped Switch (Modbus)	Read/Write	0: Inactive 1: Active	Utility cb tripped switch input from Modbus	PC 3.x
43910	Save Trims	Read/Write	0: Do Nothing 1: Save Trims	Save configuration parameters or adjustments to non-volatile memory. Perform Save Trims after all configurations have been updated. Do not save trims unless a change has occurred.	PC 2.x, PC 3.x
43911	Aux101 0 Output 3 Fault/Event	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Parameter to allow for the entry of the fault/event code which will turn the output relay on and off.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43912	Aux101 0 Output 1 Fault/Event	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Parameter to allow for the entry of the fault/event code which will turn the output relay on and off.	PC 2.x, PC 3.x
43913	Aux101 0 Output 8 Fault/Event	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Parameter to allow for the entry of the fault/event code which will turn the output relay on and off.	PC 2.x, PC 3.x
43915	Extended Parallel Enable	Read/Write	0: Disabled 1: Enabled	Use to enable the extended paralleling mode of PTC	PC 3.x
43916	V/Hz Knee Frequency 50Hz	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: Hz Lower Limit: 0 Upper Limit: 10	The voltage will roll off (decrease) proportionally to the V/Hz setup, once the frequency drops below the set point in the V/Hz Knee Frequency. This allows the generator set to recover faster when the frequency drops. This is for 50Hz frequency.	PC 2.x, PC 3.x
43917	V/Hz Knee Frequency 60Hz	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: Hz Lower Limit: 0 Upper Limit: 10	The voltage will roll off (decrease) proportionally to the V/Hz setup, once the frequency drops below the set point in the V/Hz Knee Frequency. This allows the generator set to recover faster when the frequency drops. This is for 60Hz frequency.	PC 2.x, PC 3.x
43918	V/Hz Rolloff Slope 50Hz	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: % / Hz Lower Limit: 0 Upper Limit: 10	The amount of voltage roll off when the frequency is below the knee frequency	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43919	V/Hz Rolloff Slope 60Hz	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: % / Hz Lower Limit: 0 Upper Limit: 10	The amount of voltage roll off when the frequency is below the knee frequency	PC 2.x, PC 3.x
43920	Genset Source Name	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: % / Hz Lower Limit: 0 Upper Limit: 10	Name for the generator set source.	PC 2.x, PC 3.x
43921	Genset Source Name	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Name for the generator set source.	PC 2.x, PC 3.x
43922	Genset Source Name	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Name for the generator set source.	PC 2.x, PC 3.x
43923	Genset Source Name	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Name for the generator set source.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43924	Genset Source Name	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Name for the generator set source.	PC 2.x, PC 3.x
43925	Genset Source Name	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Name for the generator set source.	PC 2.x, PC 3.x
43926	Genset Source Name	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Name for the generator set source.	PC 2.x, PC 3.x
43927	Genset Source Name	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Name for the generator set source.	PC 2.x, PC 3.x
43928	Genset Source Name	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Name for the generator set source.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43929	Genset Source Name	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Name for the generator set source.	PC 2.x, PC 3.x
43930	Genset Source Name	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Name for the generator set source.	PC 2.x, PC 3.x
43931	Genset Source Name	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Name for the generator set source.	PC 2.x, PC 3.x
43932	Genset Source Name	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Name for the generator set source.	PC 2.x, PC 3.x
43933	Genset Source Name	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Name for the generator set source.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43934	Genset Source Name	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Name for the generator set source.	PC 2.x, PC 3.x
43935	Genset Source Name	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 136 Sign: C Unit: Lower Limit: Upper Limit:	Name for the generator set source.	PC 2.x, PC 3.x
43952	Speed/Frequency Delay	Read/Write	Multiplier: 0.1 Offset: 0 Size (bits): 136 Sign: U Unit: seconds Lower Limit: 0.5 Upper Limit: 10	Sets the delay time for generating the Speed/Frequency mismatch fault	PC 2.x, PC 3.x
43953	Speed/Frequency Threshold	Read/Write	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: Hz Lower Limit: 0.5 Upper Limit: 20	Sets the threshold for generating the Speed/Frequency mismatch fault	PC 2.x, PC 3.x
43954	Sync Enable (Modbus)	Read / Write	0: Inactive 1: Active	Modbus input for enabling the synchronizer	PC 3.x
43955	Genset Idle Enable	Read Only	0: Disabled 1: Enabled	Enables or Disable idling of generator set with external governor.	PC 2.x, PC 3.x
43956	Permissive Frequency Match Error	Read Only	Multiplier : 0.001 Offset: 0 Size (bits): 32 Sign: U Unit: Hz Lower Limit: NA Upper Limit: NA Default: NA	Frequency match error value used by permissive sync check	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43957	Permissive Frequency Match Error	Read Only	Multiplier : 0.001 Offset: 0 Size (bits): 32 Sign: U Unit: Hz Lower Limit: NA Upper Limit: NA Default: NA	Frequency match error value used by permissive sync check	PC 3.x
43958	Sync Enable Command	Read Only	0: Inactive 1: Active	Indicates overall status of sync enable inputs	PC 3.x
43959	Utility Unloaded Level	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: S Unit: kW Lower Limit: -32768 Upper Limit: 32762	Sets threshold at which utility source is considered as unloaded.	PC 3.x
43960	HMI113 Fault 1 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
43961	HMI113 Fault 1 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
43962	HMI113 Fault 1 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43963	HMI113 Fault 1 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
43964	HMI113 Fault 1 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
43965	HMI113 Fault 1 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
43966	HMI113 Fault 1 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
43967	HMI113 Fault 1 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
43968	HMI113 Fault 1 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43969	HMI113 Fault 1 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
43970	HMI113 Fault 1 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
43971	HMI113 Fault 1 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
43972	HMI113 Fault 1 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
43973	HMI113 Fault 1 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
43974	HMI113 Fault 1 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43975	HMI113 Fault 1 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
43976	HMI113 Fault 1 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
43977	HMI113 Fault 1 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
43978	HMI113 Fault 1 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
43979	HMI113 Fault 1 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
43980	HMI113 Fault 2 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43981	HMI113 Fault 2 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
43982	HMI113 Fault 2 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
43983	HMI113 Fault 2 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
43984	HMI113 Fault 2 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
43985	HMI113 Fault 2 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
43986	HMI113 Fault 2 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43987	HMI113 Fault 2 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
43988	HMI113 Fault 2 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
43989	HMI113 Fault 2 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
43990	HMI113 Fault 2 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
43991	HMI113 Fault 2 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
43992	HMI113 Fault 2 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43993	HMI113 Fault 2 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
43994	HMI113 Fault 2 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
43995	HMI113 Fault 2 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
43996	HMI113 Fault 2 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
43997	HMI113 Fault 2 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
43998	HMI113 Fault 2 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
43999	HMI113 Fault 2 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
45999	Unrecognized SPN/FMI Status	Read Only	0: All Pairs Recognized 1: Pair Not Recognized	Indicates whether or not all pairs in current DM1 are recognized	PC 2.x, PC 3.x
46000	Genset Phase Rotation	Read Only	0: L1-L2-L3 1: L1-L3-L2 2: Not Available	Generator set phase rotation	PC 2.x, PC 3.x
46001	Utility Phase Rotation	Read Only	0: L1-L2-L3 1: L1-L3-L2 2: Not Available	Utility phase rotation	PC 3.x
46002	Genset Bus Phase Rotation	Read Only	0: L1-L2-L3 1: L1-L3-L2 2: Not Available	Generator set bus phase rotation	PC 3.x
46003	Base Speed	Read Only	Multiplier: 0.0625 Offset: 0 Size (bits): 32 Sign: U Unit: RPM Lower Limit: Upper Limit:	Provides a point to monitor the base speed	PC 2.x, PC 3.x
46004	Base Speed	Read Only	Multiplier: 0.0625 Offset: 0 Size (bits): 32 Sign: U Unit: RPM Lower Limit: Upper Limit:	Provides a point to monitor the base speed	PC 2.x, PC 3.x
46005	Final Speed Reference	Read Only	Multiplier: 0.0625 Offset: 0 Size (bits): 32 Sign: U Unit: RPM Lower Limit: Upper Limit:	Provides a point to monitor the final speed reference	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46006	Final Speed Reference	Read Only	Multiplier: 0.0625 Offset: 0 Size (bits): 32 Sign: U Unit: RPM Lower Limit: Upper Limit:	Provides a point to monitor the final speed reference	PC 2.x, PC 3.x
46008	Exhaust Port 1 Temperature	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: -459 Upper Limit: 3155	Monitor point for the Exhaust Port 1 Temperature	PC 2.x, PC 3.x
46009	Exhaust Port 2 Temperature	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: -459 Upper Limit: 3155	Monitor point for the Exhaust Port 2 Temperature	PC 2.x, PC 3.x
46010	Exhaust Port 3 Temperature	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: -460 Upper Limit: 3155	Monitor point for the Exhaust Port 3 Temperature	PC 2.x, PC 3.x
46011	Exhaust Port 4 Temperature	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: -460 Upper Limit: 3155	Monitor point for the Exhaust Port 4 Temperature	PC 2.x, PC 3.x
46012	Exhaust Port 5 Temperature	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: -460 Upper Limit: 3155	Monitor point for the Exhaust Port 5 Temperature	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46013	Exhaust Port 6 Temperature	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: -460 Upper Limit: 3155	Monitor point for the Exhaust Port 6 Temperature	PC 2.x, PC 3.x
46014	Exhaust Port 7 Temperature	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: -460 Upper Limit: 3155	Monitor point for the Exhaust Port 7 Temperature	PC 2.x, PC 3.x
46015	Exhaust Port 8 Temperature	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: -460 Upper Limit: 3155	Monitor point for the Exhaust Port 8 Temperature	PC 2.x, PC 3.x
46016	Exhaust Port 9 Temperature	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: -460 Upper Limit: 3155	Monitor point for the Exhaust Port 9 Temperature	PC 2.x, PC 3.x
46017	Exhaust Port 10 Temperature	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: -460 Upper Limit: 3155	Monitor point for the Exhaust Port 10 Temperature	PC 2.x, PC 3.x
46018	Exhaust Port 11 Temperature	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: -460 Upper Limit: 3155	Monitor point for the Exhaust Port 11 Temperature	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46019	Exhaust Port 12 Temperature	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: -460 Upper Limit: 3155	Monitor point for the Exhaust Port 12 Temperature	PC 2.x, PC 3.x
46020	Exhaust Port 13 Temperature	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: -460 Upper Limit: 3155	Monitor point for the Exhaust Port 13 Temperature	PC 2.x, PC 3.x
46021	Exhaust Port 14 Temperature	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: -460 Upper Limit: 3155	Monitor point for the Exhaust Port 14 Temperature	PC 2.x, PC 3.x
46022	Exhaust Port 15 Temperature	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: -460 Upper Limit: 3155	Monitor point for the Exhaust Port 15 Temperature	PC 2.x, PC 3.x
46023	Exhaust Port 16 Temperature	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: -460 Upper Limit: 3155	Monitor point for the Exhaust Port 16 Temperature	PC 2.x, PC 3.x
46024	Exhaust Port 17 Temperature	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: -460 Upper Limit: 3155	Monitor point for the Exhaust Port 17 Temperature	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46025	Exhaust Port 18 Temperature	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: -460 Upper Limit: 3155	Monitor point for the Exhaust Port 18 Temperature	PC 2.x, PC 3.x
46026	Exhaust Port 19 Temperature	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: -460 Upper Limit: 3155	Monitor point for the Exhaust Port 19 Temperature	PC 2.x, PC 3.x
46027	Exhaust Port 20 Temperature	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: -460 Upper Limit: 3155	Monitor point for the Exhaust Port 20 Temperature	PC 2.x, PC 3.x
46028	Knock Level Cylinder 1	Read Only	Multiplier: 1 Offset: 0 Size (bits): 8 Sign: U Unit: % Lower Limit: Upper Limit:	Knock Level for cylinder 1	PC 3.x
46029	Knock Level Cylinder 2	Read Only	Multiplier: 1 Offset: 0 Size (bits): 8 Sign: U Unit: % Lower Limit: Upper Limit:	Knock Level for cylinder 2	PC 3.x
46030	Knock Level Cylinder 3	Read Only	Multiplier: 1 Offset: 0 Size (bits): 8 Sign: U Unit: % Lower Limit: Upper Limit:	Knock Level for cylinder 3	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46031	Knock Level Cylinder 4	Read Only	Multiplier: 1 Offset: 0 Size (bits): 8 Sign: U Unit: % Lower Limit: Upper Limit:	Knock Level for cylinder 4	PC 3.x
46032	Knock Level Cylinder 5	Read Only	Multiplier: 1 Offset: 0 Size (bits): 8 Sign: U Unit: % Lower Limit: Upper Limit:	Knock Level for cylinder 5	PC 3.x
46033	Knock Level Cylinder 6	Read Only	Multiplier: 1 Offset: 0 Size (bits): 8 Sign: U Unit: % Lower Limit: Upper Limit:	Knock Level for cylinder 6	PC 3.x
46034	Knock Level Cylinder 7	Read Only	Multiplier: 1 Offset: 0 Size (bits): 8 Sign: U Unit: % Lower Limit: Upper Limit:	Knock Level for cylinder 7	PC 3.x
46035	Knock Level Cylinder 8	Read Only	Multiplier: 1 Offset: 0 Size (bits): 8 Sign: U Unit: % Lower Limit: Upper Limit:	Knock Level for cylinder 8	PC 3.x
46036	Knock Level Cylinder 9	Read Only	Multiplier: 1 Offset: 0 Size (bits): 8 Sign: U Unit: % Lower Limit: Upper Limit:	Knock Level for cylinder 9	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46037	Knock Level Cylinder 10	Read Only	Multiplier: 1 Offset: 0 Size (bits): 8 Sign: U Unit: % Lower Limit: Upper Limit:	Knock Level for cylinder 10	PC 3.x
46038	Knock Level Cylinder 11	Read Only	Multiplier: 1 Offset: 0 Size (bits): 8 Sign: U Unit: % Lower Limit: Upper Limit:	Knock Level for cylinder 11	PC 3.x
46039	Knock Level Cylinder 12	Read Only	Multiplier: 1 Offset: 0 Size (bits): 8 Sign: U Unit: % Lower Limit: Upper Limit:	Knock Level for cylinder 12	PC 3.x
46040	Knock Level Cylinder 13	Read Only	Multiplier: 1 Offset: 0 Size (bits): 8 Sign: U Unit: % Lower Limit: Upper Limit:	Knock Level for cylinder 13	PC 3.x
46041	Knock Level Cylinder 14	Read Only	Multiplier: 1 Offset: 0 Size (bits): 8 Sign: U Unit: % Lower Limit: Upper Limit:	Knock Level for cylinder 14	PC 3.x
46042	Knock Level Cylinder 15	Read Only	Multiplier: 1 Offset: 0 Size (bits): 8 Sign: U Unit: % Lower Limit: Upper Limit:	Knock Level for cylinder 15	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46043	Knock Level Cylinder 16	Read Only	Multiplier: 1 Offset: 0 Size (bits): 8 Sign: U Unit: % Lower Limit: Upper Limit:	Knock Level for cylinder 16	PC 3.x
46044	Knock Level Cylinder 17	Read Only	Multiplier: 1 Offset: 0 Size (bits): 8 Sign: U Unit: % Lower Limit: Upper Limit:	Knock Level for cylinder 17	PC 3.x
46045	Knock Level Cylinder 18	Read Only	Multiplier: 1 Offset: 0 Size (bits): 8 Sign: U Unit: % Lower Limit: Upper Limit:	Knock Level for cylinder 18	PC 3.x
46046	Knock Level Cylinder 19	Read Only	Multiplier : 1 Offset: 0 Size (bits): 8 Sign: U Unit: % Lower Limit: NA Upper Limit: NA Default: NA	Knock Level for cylinder 19	PC3.x
46047	Knock Level Cylinder 20	Read Only	Multiplier : 1 Offset: 0 Size (bits): 8 Sign: U Unit: % Lower Limit: NA Upper Limit: NA Default: NA	Knock Level for cylinder 20	PC3.x
46048	Knock Count Cyl 1	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Knock count value for cylinder 1	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46049	Knock Count Cyl 2	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Knock count value for cylinder 2	PC 3.x
46050	Knock Count Cyl 3	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Knock count value for cylinder 3	PC 3.x
46051	Knock Count Cyl 4	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Knock count value for cylinder 4	PC 3.x
46052	Knock Count Cyl 5	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Knock count value for cylinder 5	PC 3.x
46053	Knock Count Cyl 6	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Knock count value for cylinder 6	PC 3.x
46054	Knock Count Cyl 7	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Knock count value for cylinder 7	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46055	Knock Count Cylr 8	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Knock count value for cylinder 8	PC 3.x
46056	Knock Count Cylinder 9	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Knock count value for cylinder 9	PC 3.x
46057	Knock Count Cylinder 10	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Knock count value for cylinder 10	PC 3.x
46058	Knock Count Cyl 11	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Knock count value for cylinder 11	PC 3.x
46059	Knock Count Cyl 12	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Knock count value for cylinder 12	PC 3.x
46060	Knock Count Cyl 13	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Knock count value for cylinder 13	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46061	Knock Count Cyl 14	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Knock count value for cylinder 14	PC 3.x
46062	Knock Count Cyl 15	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Knock count value for cylinder 15	PC 3.x
46063	Knock Count Cyl 16	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Knock count value for cylinder 16	PC 3.x
46064	Knock Count Cyl 17	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Knock count value for cylinder 17	PC 3.x
46065	Knock Count Cyl 18	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	Knock count value for cylinder 18	PC 3.x
46066	Knock Count Cyl 19	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65530 Default: NA	Knock count value for cylinder 19	PC3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46067	Knock Count Cyl 20	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: 0 Upper Limit: 65530 Default: NA	Knock count value for cylinder 20	PC3.x
46068	Spark Timing Cyl 1	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: Degrees Lower Limit: 0 Upper Limit: 65530 Default: NA	Spark timing degrees for cylinder 1	PC 3.x
46069	Spark Timing Cyl 2	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: Degrees Lower Limit: Upper Limit:	Spark timing degrees for cylinder 2	PC 3.x
46070	Spark Timing Cyl 3	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: Degrees Lower Limit: Upper Limit:	Spark timing degrees for cylinder 3	PC 3.x
46071	Spark Timing Cyl 4	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: Degrees Lower Limit: Upper Limit:	Spark timing degrees for cylinder 4	PC 3.x
46072	Spark Timing Cyl 5	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: Degrees Lower Limit: Upper Limit:	Spark timing degrees for cylinder 5	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46073	Spark Timing Cyl 6	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: Degrees Lower Limit: Upper Limit:	Spark timing degrees for cylinder 6	PC 3.x
46074	Spark Timing Cyl 7	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: Degrees Lower Limit: Upper Limit:	Spark timing degrees for cylinder 7	PC 3.x
46075	Spark Timing Cyl 8	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: Degrees Lower Limit: Upper Limit:	Spark timing degrees for cylinder 8	PC 3.x
46076	Spark Timing Cyl 9	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: Degrees Lower Limit: Upper Limit:	Spark timing degrees for cylinder 9	PC 3.x
46077	Spark Timing Cyl 10	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: Degrees Lower Limit: Upper Limit:	Spark timing degrees for cylinder 10	PC 3.x
46078	Spark Timing Cyl 11	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: Degrees Lower Limit: Upper Limit:	Spark timing degrees for cylinder 11	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46079	Spark Timing Cyl 12	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: Degrees Lower Limit: Upper Limit:	Spark timing degrees for cylinder 12	PC 3.x
46080	Spark Timing Cyl 13	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: Degrees Lower Limit: Upper Limit:	Spark timing degrees for cylinder 13	PC 3.x
46081	Spark Timing Cyl 14	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: Degrees Lower Limit: Upper Limit:	Spark timing degrees for cylinder 14	PC 3.x
46082	Spark Timing Cyl 15	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: Degrees Lower Limit: Upper Limit:	Spark timing degrees for cylinder 15	PC 3.x
46083	Spark Timing Cyl 16	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: Degrees Lower Limit: Upper Limit:	Spark timing degrees for cylinder 16	PC 3.x
46084	Spark Timing Cyl 17	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: Degrees Lower Limit: Upper Limit:	Spark timing degrees for cylinder 17	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46085	Spark Timing Cyl 18	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: Degrees Lower Limit: Upper Limit:	Spark timing degrees for cylinder 18	PC 3.x
46086	Spark Timing Cyl 19	Read Only	Multiplier : 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: Degrees Lower Limit: Upper Limit:	Spark timing degrees for cylinder 19	PC 3.x
46087	Spark Timing Cyl 20	Read Only	Multiplier : 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: Degrees Lower Limit: NA Upper Limit: NA Default: NA	Spark timing degrees for cylinder 20	PC 3.x
46088	Internal SSM558 1 Temperature	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: Upper Limit:	Temperature of the engine electronic control unit SSM558 1	PC 3.x
46089	Internal SSM558 2 Temperature	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: Upper Limit	Temperature of the engine electronic control unit SSM558 2	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46090	Internal MCM700 Temperature	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: Upper Limit	Temperature of the engine electronic control unit MCM700	PC 3.x
46091	Derate Authorization	Read Only	0: NO 1: YES 2: Reserved 3: N/A	Derate authorization request from customer.	PC 3.x
46092	Start System Status	Read Only	0: Not Tripped 1: Tripped 2: Reserved 3: N/A 4: Network Failure	Start system status monitor point.	PC 3.x
46093	Ventilator Fan Status	Read Only	0: OFF 1: ON 2: TRIPPED 3: N/A	Vent Fan status monitor point.	PC 3.x
46094	Louvres Status	Read Only	0: Open 1: Closed 2: Reserved 3: N/A 4: Network Failure	Louvres Closed monitor point.	PC 3.x
46095	Radiator Fan Status	Read Only	0: OFF 1: ON 2: TRIPPED 3: N/A	Radiator Fan status monitor point.	PC 3.x
46096	GIB Isolator Open (Aux101)	Read Only	0: Close 1: Open 2: Reserved 3: N/A	GIB Isolator Open monitor point.	PC 3.x
46097	Alternator Heater Status	Read Only	0: OFF 1: ON 2: TRIPPED 3: N/A	Alternator Heater status monitor point.	PC 3.x
46099	Gearbox Oil Pressure (Aux101)	Read Only	0: No 1: Yes 2: Reserved 3: N/A 4: Network Failure	Gearbox Oil Pressure monitor point.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46100	Gearbox Oil Temperature (Aux101)	Read Only	0: No 1: Yes 2: Reserved 3: N/A 4: Network Failure	Gearbox Oil Temperature monitor point.	PC 3.x
46101	Start Inhibit No1 (Aux101)	Read Only	0: Inactive 1: Active 2: Reserved 3: N/A	Start Inhibit No1 monitor point.	PC 3.x
46102	Start Inhibit No2 (Aux101)	Read Only	0: Inactive 1: Active 2: Reserved 3: N/A	Start Inhibit No2 monitor point.	PC 3.x
46103	Start Inhibit No3 (Aux101)	Read Only	0: Inactive 1: Active 2: Reserved 3: N/A	Start Inhibit No3 monitor point.	PC 3.x
46104	DC PSU Unavailable (Aux101)	Read Only	0: No 1: Yes	Engine PSU Not Available monitor point.	PC 3.x
46105	Ventilator Fan Trip (Aux101)	Read Only	0: No 1: Yes	Ventilator Fan Trip monitor point.	PC 3.x
46106	Aux101-3 Software Version	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: Upper Limit	Software version of the firmware for the Aux101-3	PC 3.x
46107	Aux101-4 Software Version	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: Upper Limit	Software version of the firmware for the Aux101-4	PC 3.x
46108	Aux101-5 Software Version	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: Upper Limit	Software version of the firmware for the Aux101-5	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46109	Engine Operating State	Read Only	0: Engine Stopped 1: Pre-Start 2: Starting 3: Warm-Up 4: Running 5: Cool-Down 6: Engine Stopping 7: Post-Run 8: Out Of Range 9: Out Of Range 10: Out Of Range 11: Out Of Range 12: Out Of Range 13: Out Of Range 14: Out Of Range 15: N/A	Indicate current state or mode of operation by the engine	PC 2.x PC 3.x
46110	Fuel Pump Control Status	Read Only	0: Inactive 1: Active 2: Reserved 3: Not Available	Fuel pump state	PC 3.x
46112	Fuel Shutoff Vent Valve status	Read Only	0: Closed 1: Open 2: Reserved 3: Not Available	Fuel shutoff valve status	PC 3.x
46113	Downstream Valve Command Status	Read Only	0: Open 1: Closed 2: Reserved 3: N/A	The result of the FSO driver output command logic for fuel shutoff valve 1	PC 3.x
46114	Upstream Valve Command Status	Read Only	0: Open 1: Closed 2: Reserved 3: N/A	The result of the FSO driver output command logic for fuel shutoff valve 2.	PC 3.x
46115	VPS Status	Read Only	0: OFF 1: ON 2: Reserved 3: N/A	Control setting for fuel shutoff valve proving system test	PC 3.x
46116	Gas Supply Pressure	Read Only	Multiplier : 0.1 Offset: 0 Size (bits): 16 Sign: U Units: psi Lower Limit: NA Upper Limit: NA Default: NA	Gage Pressure of gas supply to fuel metering device	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46117	Engine Oil PreHeater Ctrl Status	Read Only	0: OFF 1: ON 2: Reserved 3: N/A	Engine Oil pre heater command status	PC 3.x
46118	Engine Power Conservation Ctrl Status	Read Only	0: OFF 1: ON 2: Reserved 3: Not Available	Control setting for cutting power to various devices when the engine is not in use	PC 3.x
46119	Engine Coolant PreHeater Ctrl Status	Read Only	0: OFF 1: ON 2: Reserved 3: N/A	Engine coolant PreHeater states	PC 3.x
46120	Engine Coolant Pump Ctrl Status	Read Only	0: OFF 1: ON 2: Reserved 3: N/A	Engine coolant circulating pump status	PC 3.x
46121	Engine Controlled Shutdown Request	Read Only	0: Inactive 1: Active 2: Reserved 3: Not Available	Active when the engine control request a controlled shutdown (shutdown with cooldown)	PC 3.x
46122	Emergency Shutdown Request	Read Only	0: Inactive 1: Active 2: Reserved 3: Not Available	Active when the engine control request an emergency shutdown (immediate shutdown)	PC 3.x
46123	Engine Derate Request	Read Only	Multiplier : 0.4 Offset: 0 Size (bits): 8 Sign: U Units: % Lower Limit: NA Upper Limit: NA Default: NA	Derate request in percent made by the engine control	PC 3.x
46124	Coolant Pressure	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 8 Sign: U Unit: psi Lower Limit: NA Upper Limit: NA	Monitor point for the Coolant Pressure.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46125	Coolant 2 Pressure	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: psi Lower Limit: 0 Upper Limit: 145	Monitor point for the Coolant 2 Pressure.	PC 3.x
46127	Coolant 2 Temperature	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: degF Lower Limit: Upper Limit:	Monitor point for the Coolant 2 Temperature	PC 3.x
46128	Compressor Bypass Position	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: % Lower Limit: Upper Limit:	Engine turbocharger compressor bypass actuator position	PC 3.x
46129	Engine Oil Filter Outlet Pressure	Read Only	Multiplier : 0.1 Offset: 0 Size (bits): 16 Sign: U Units: psi Lower Limit: NA Upper Limit: NA Default: NA	”Engine oil pressure at the outlet of the filter Search ””17185”” (2 hits in 2 files)”	PC 3.x
46130	Oil Priming Pump Control Status	Read Only	0: OFF 1: ON 2: Reserved 3: N/A	Status for the priming pump (ON or OFF)	PC 3.x
46131	Oil Priming State	Read Only	0: Low 1: Optimum 2: Reserved 3: N/A	Status of the engine before start (Pre-Lubed or Not)	PC 3.x
46132	Oil Pre-Heated State	Read Only	0: Cold 1: Heated 2: Reserved 3: N/A	Status of the engine oil before start (Pre-Heated or Not)	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46133	Coolant Pre-Heated State	Read Only	0: Cold 1: Heated 2: Reserved 3: N/A	Status of the engine coolant before start (Pre-Heated or Not)	PC 3.x
46134	Ventilation Status	Read Only	0: Vented 1: Not Vented 2: Ventilation Delay 3: Currently Venting 4: Reserved 5: Reserved 6: Not Able To Determine 7: Not Available	Engine Ventilation Status (Vented or Not)	PC 3.x
46135	Intake Manifold Pressure 1	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Units: psi Lower Limit: NA Upper Limit: NA	Intake Manifold Pressure 1	PC 3.x
46136	Compressor Outlet Pressure	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: kPa Lower Limit: NA Upper Limit: NA	Absolute Pressure at the outlet of the compressor.	PC 3.x
46137	Turbocharger 1 Boost Pressure	Read Only	Multiplier : 0.1 Offset: 0 Size (bits): 16 Sign: U Units: psi Lower Limit: NA Upper Limit: NA Default: NA	Monitor point for the Turbocharger 1 Boost Pressure	PC 3.x
46138	Genset Avg AC Frequency	Read Only	Multiplier : 0.1 Offset: 0 Size (bits): 16 Sign: U Units: NA Lower Limit: NA Upper Limit: NA Default: NA	Average Genset AC frequency	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46139	Fuel Valve 1 Inlet Absolute Pressure	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: psi Lower Limit: NA Upper Limit: NA	Absolute Pressure of Gas on the inlet side of the first system control valve	PC 3.x
46140	Fuel Valve 1 Outlet Absolute Pressure	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: psi Lower Limit: NA Upper Limit: NA	Absolute Pressure of Gas on the outlet side of the first system control valve	PC 3.x
46141	Fuel Valve 1 Position	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: % Lower Limit: NA Upper Limit: NA		PC 3.x
46142	Fuel Valve 2 Inlet Absolute Pressure	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: psi Lower Limit: NA Upper Limit: NA	Absolute Pressure of Gas on the inlet side of the second system control valve	PC 3.x
46143	Fuel Valve 2 Outlet Absolute Pressure	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: psi Lower Limit: NA Upper Limit: NA	Absolute Pressure of Gas on the outlet side of the second system control valve	PC 3.x
46144	Fuel Valve 2 Position	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: % Lower Limit: NA Upper Limit: NA		PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46145	Gas Mass Flow	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: Pounds per hour Lower Limit: Upper Limit:	Gas Mass Flow value of the engine.	PC 3.x
46146	Gas Mass Flow	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 32 Sign: U Unit: Pounds per hour Lower Limit: Upper Limit:	Gas Mass Flow value of the engine.	PC 3.x
46147	Throttle 1 Position	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: % Lower Limit: Upper Limit:	Position of the throttle 1.	PC 3.x
46148	Throttle 2 Position	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: % Lower Limit: Upper Limit:	Position of the throttle 2.	PC 3.x
46149	Raw Value DE RTD Bearing	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: Count Lower Limit: NA Upper Limit: NA Default: NA	Raw Value for the DE RTD Bearing from the Aux101	PC 3.x
46150	Raw Value Alternator RTD L1	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: Count Lower Limit: NA Upper Limit: NA Default: NA	Raw Value Alternator RTD L1 from Aux101 (10 bits raw data)	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46151	Raw Value Alternator RTD L2	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: Count Lower Limit: NA Upper Limit: NA Default: NA	Raw Value Alternator RTD L2 from Aux101 (10 bits raw data)	PC 3.x
46152	Raw Value Alternator RTD L3	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: Count Lower Limit: NA Upper Limit: NA Default: NA	Raw Value Alternator RTD L3 from Aux101 (10 bits raw data)	PC 3.x
46153	Raw Value NDE RTD Bearing	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: Count Lower Limit: NA Upper Limit: NA Default: NA	Raw Value NDE RTD Bearing from Aux101 (10 bits raw data)	PC 3.x
46155	MCM700 Battery Voltage	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: Vdc Lower Limit: 0 Upper Limit: 65535 Default: NA	Engine Control Module Battery Voltage.	PC 3.x
46157	CM700 Sensor Voltage A	Read Only	Multiplier : 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: Vdc Lower Limit: NA Upper Limit: NA Default: NA	Engine Control Module CM700 Sensor Voltage A	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46158	CM700 Sensor Voltage B	Read Only	Multiplier : 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: Vdc Lower Limit: NA Upper Limit: NA Default: NA	Engine Control Module CM700 Sensor Voltage B	PC 3.x
46159	CM700 Sensor Voltage C	Read Only	Multiplier : 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: Vdc Lower Limit: NA Upper Limit: NA Default: NA	Engine Control Module CM700 Sensor Voltage C	PC 3.x
46160	SSM558 1 Battery Voltage	Read Only	Multiplier : 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: Vdc Lower Limit: NA Upper Limit: NA Default: NA	SSM558 1 Engine Control Module Battery Voltage.	PC 3.x
46161	SSM558 1 Isolated Battery Voltage	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: Vdc Lower Limit: 0 Upper Limit: 65535 Default: NA	SSM558 1 Engine Control Module Isolated Battery Voltage.	PC 3.x
46162	SSM558 2 Battery Voltage	Read Only	Multiplier : 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: Vdc Lower Limit: 0 Upper Limit: 65535 Default: NA	SSM558 2 Engine Control Module Battery Voltage.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46163	SSM558 2 Isolated Battery Voltage	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: Vdc Lower Limit: 0 Upper Limit: 65535 Default: NA	SSM558 2 Engine Control Module Isolated Battery Voltage.	PC 3.x
46164	Intake Manifold Pressure 2	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: psi Lower Limit: Upper Limit:	Intake Manifold Pressure 2	PC 3.x
46165	Intake Manifold Temperature 2	Read only	Multiplier : 0.1 Offset: 0 Size (bits): 16 Sign: S Units: degF Lower Limit: -40 Upper Limit: 410 Default: NA	Monitor point for the Intake Manifold Temperature 2	PC 3.x
46166	Exhaust Back Pressure	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: psi Lower Limit: -40 Upper Limit: 410	Monitor point for exhaust back pressure value	PC 3.x
46168	Air Filter Differential Pressure	Read only	Multiplier : 0.1 Offset: 0 Size (bits): 16 Sign: S Unit: psi Lower Limit: NA Upper Limit: NA Default: NA	Monitor point for air filter differential pressure value	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46170	Gas Mass Flow 2	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 16 Sign: U Unit: Pounds per hour Lower Limit: Upper Limit:	Gas Mass Flow 2 value of the engine.	PC 3.x
46171	Gas Mass Flow 2	Read Only	Multiplier: 0.1 Offset: 0 Size (bits): 32 Sign: U Unit: Pounds per hour Lower Limit: Upper Limit:	Gas Mass Flow 2 value of the engine.	PC 3.x
46180	E-Stops disengaged	Read Only	0: Inactive 1: Active		PC 3.x
46176	Gearbox Present	Read / Write	0: No 1: Yes	Enables gearbox protection	PC 3.x
46182	Radiator Fan control	Read Only	0: Inactive 1: Active	Radiator fan control command	PC 3.x
46183	Ventilator Fan mode	Read/Write	0: Limited 1: Continuous	Vent fan control mode, limited or continuous	PC 3.x
46184	Louvre Control	Read Only	0: Inactive 1: Active	Louvre control	PC 3.x
46191	Ventilator Fan control	Read Only	0: Inactive 1: Active	Ventilator fan control command	PC 3.x
46192	Engine Spark Plug Voltage 1	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: V Lower Limit: NA Upper Limit: NA	Spark Plug Voltage for Cylinder 1	PC 3.x
46193	Engine Spark Plug Voltage 2	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: V Lower Limit: NA Upper Limit: NA Default: NA	Spark Plug Voltage for Cylinder 2	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46194	Engine Spark Plug Voltage 3	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: V Lower Limit: NA Upper Limit: NA Default: NA	Spark Plug Voltage for Cylinder 3	PC 3.x
46195	Engine Spark Plug Voltage 4	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: V Lower Limit: NA Upper Limit: NA Default: NA	Spark Plug Voltage for Cylinder 4	PC 3.x
46196	Engine Spark Plug Voltage 5	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: V Lower Limit: NA Upper Limit: NA Default: NA	Spark Plug Voltage for Cylinder 5	PC 3.x
46197	Engine Spark Plug Voltage 6	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: V Lower Limit: NA Upper Limit: NA Default: NA	Spark Plug Voltage for Cylinder 6	PC 3.x
46198	Engine Spark Plug Voltage 7	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: V Lower Limit: NA Upper Limit: NA Default: NA	Spark Plug Voltage for Cylinder 7	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46199	Engine Spark Plug Voltage 8	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: V Lower Limit: NA Upper Limit: NA Default: NA	Spark Plug Voltage for Cylinder 8	PC 3.x
46200	Engine Spark Plug Voltage 9	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: V Lower Limit: NA Upper Limit: NA Default: NA	Spark Plug Voltage for Cylinder 9	PC 3.x
46201	Engine Spark Plug Voltage 10	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: V Lower Limit: NA Upper Limit: NA Default: NA	Spark Plug Voltage for Cylinder 10	PC 3.x
46202	Engine Spark Plug Voltage 11	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: V Lower Limit: NA Upper Limit: NA Default: NA	Spark Plug Voltage for Cylinder 11	PC 3.x
46203	Engine Spark Plug Voltage 12	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: V Lower Limit: NA Upper Limit: NA Default: NA	Spark Plug Voltage for Cylinder 12	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46204	Engine Spark Plug Voltage 13	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: V Lower Limit: NA Upper Limit: NA Default: NA	Spark Plug Voltage for Cylinder 13	PC 3.x
46205	Engine Spark Plug Voltage 14	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: V Lower Limit: NA Upper Limit: NA Default: NA	Spark Plug Voltage for Cylinder 14	PC 3.x
46206	Engine Spark Plug Voltage 15	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: V Lower Limit: NA Upper Limit: NA Default: NA	Spark Plug Voltage for Cylinder 15	PC 3.x
46207	Engine Spark Plug Voltage 16	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: V Lower Limit: NA Upper Limit: NA Default: NA	Spark Plug Voltage for Cylinder 16	PC 3.x
46208	Engine Spark Plug Voltage 17	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: V Lower Limit: NA Upper Limit: NA Default: NA	Spark Plug Voltage for Cylinder 17	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46209	Engine Spark Plug Voltage 18	Read Only	Multiplier : 1 Offset: 0 Size (bits): 16 Sign: U Units: V Lower Limit: NA Upper Limit: NA Default: NA	Spark Plug Voltage for Cylinder 18	PC 3.x
46273	Alternator Heater ON (Aux101)	Read Only	0: No 1: Yes 2: Reserved 3: N/A 4: Network Failure	Alternator Heater monitor point.	PC 3.x
46288	DE/NDE Cylinder Viewpoint Reference	Read/Write	0: Drive End 1: Non-Drive End 2: Reserved 3: N/A	Gives reference point for engine cylinder numbering	PC 3.x
46291	Radiator Fan Trip (Aux 101)	Read Only	0: Not Tripped 1: Tripped 2: Reserved 3: N/A	Radiator Fan Trip monitor point.	PC 3.x
46300	LBNG Genset Enable	Read/Write	0: Disable 1: Enable	Switch to enable or disable the gas specific features and parameters	PC 3.x
46301	Aux101-3 Enable	Read/Write	0: Disable 1: Enable	Enable the processing for Aux101-3 messages	PC 3.x
46302	Aux101-4 Enable	Read/Write	0: Disable 1: Enable	Enable the processing for Aux101-4 messages	PC 3.x
46303	Aux101-5 Enable	Read/Write	0: Disable 1: Enable	Enable the processing for Aux101-5 messages	PC 3.x
46304	Aux101-6 Enable	Read/Write	0: Disable 1: Enable	Enable the processing for Aux101-6 messages	PC 3.x
46308	Aux101-3 Input Port Config	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 255	Input Port configuration bye for the Aux101-3	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46309	Aux101-4 Input Port Config	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 255	Input Port configuration bye for the Aux101-4	PC 3.x
46310	Aux101-5 Input Port Config	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 255	Input Port configuration bye for the Aux101-5	PC 3.x
46311	Aux101-3 DI Active High/Low Selection	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 255	Digital Input Port configuration active High or active low for the Aux101-3	PC 3.x
46312	Aux101-4 DI Active High/Low Selection	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 255	Digital Input Port configuration active High or active low for the Aux101-4	PC 3.x
46313	Aux101-5 DI Active High/Low Selection	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 255	Digital Input Port configuration active High or active low for the Aux101-5	PC 3.x
46314	Aux101-3 DI Config Mask	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 255	Discrete Input configuration bit mask for the Aux101-3	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46315	Aux101-4 DI Config Mask	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 255	Discrete Input configuration bit mask for the Aux101-4	PC 3.x
46316	Aux101-5 DI Config Mask	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 255	Discrete Input configuration bit mask for the Aux101-5	PC 3.x
46323	Vehicle Electrical Power 2 PGN65165 Enable	Read/Write	0: Disabled 1: Enabled	A trim that enables the Vehicle Electrical Power 2 message	PC 3.x
46326	Gaseous Fuel Pressure PGN65163 Enable	Read/Write	0: Disabled 1: Enabled	A trim that enables the Gaseous Fuel Pressure message	PC 3.x
46327	Fuel Information 3 - Gaseous PGN64930 Enable	Read/Write	0: Disabled 1: Enabled	A trim that enables the Fuel Information 3 - Gaseous message	PC 3.x
46328	Fuel Information 2 - Gaseous PGN65153 Enable	Read/Write	0: Disabled 1: Enabled	A trim that enables the Fuel Information 2 - Gaseous message	PC 3.x
46332	Inlet/Exhaust Conditions PGN65270 Enable	Read/Write	0: Disabled 1: Enabled	A trim that enables the Inlet/Exhaust Conditions message	PC 3.x
46333	Knock Count 1 PGN65336 Enable	Read/Write	0: Disabled 1: Enabled	A trim that enables Knock Count 1 message	PC 3.x
46334	Knock Count 2 PGN65337 Enable	Read/Write	0: Disabled 1: Enabled	A trim that enables Knock Count 2 message	PC 3.x
46335	Knock Count 3 PGN65338 Enable	Read/Write	0: Disabled 1: Enabled	A trim that enables Knock Count 3 message	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46336	Knock Count 4 PGN65339 Enable	Read/Write	0: Disabled 1: Enabled	A trim that enables Knock Count 4 message	PC 3.x
46337	Knock Count 5 PGN65340 Enable	Read/Write	0: Disabled 1: Enabled	A trim that enables Knock Count 5 message	PC 3.x
46338	Ignition Timing 1 PGN65154 Enable	Read/Write	0: Disabled 1: Enabled	A trim that enables the Ignition Timing 1 message	PC 3.x
46339	Ignition Timing 2 PGN65155 Enable	Read/Write	0: Disabled 1: Enabled	A trim that enables the Ignition Timing 2 message	PC 3.x
46340	Ignition Timing 3 PGN65156 Enable	Read/Write	0: Disabled 1: Enabled	A trim that enables the Ignition Timing 3 message	PC 3.x
46341	Ignition Timing 4 PGN65157 Enable	Read/Write	0: Disabled 1: Enabled	A trim that enables the Ignition Timing 4 message	PC 3.x
46342	Ignition Timing 5 PGN65158 Enable	Read/Write	0: Disabled 1: Enabled	A trim that enables the Ignition Timing 5 message	PC 3.x
46344	Start-Enable (Modbus Input)	Read/Write	0: Disable 1: Enabled	Remote Modbus Start-Enable input.	PC 3.x
46348	Target Speed	Read Only	Multiplier : 0.0625 Offset: 0 Size (bits): 16 Sign: 32 Units: rpm Lower Limit: NA Upper Limit: NA Default: NA	The speed reference function desired speed before ramping	PC 2.x, PC 3.x
46349	Target Speed	Read Only	Multiplier : 0.0625 Offset: 0 Size (bits): 16 Sign: 32 Units: rpm Lower Limit: NA Upper Limit: NA Default: NA	The speed reference function desired speed before ramping	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46364	Modbus Register Read Only Enable	Read Only	0: Disable 1: Enable	Modbus Register Read Only Enable For TB15 Modbus Communication Port.	PC 2.x, PC 3.x
46365	Modbus Register Read Only Enable (J14)	Read Only	0: Disable 1: Enable	Modbus Register Read Only Enable For J14 Modbus Communication Port.	PC 3.x
46366	Modbus Stop Bits (J14)	Read/Write	0:01 1:02	Sets the Modbus number of stop bits for this node Limited to 1 bit if parity = Odd or Even	PC 3.x
46367	Modbus Bus Message Count (J14)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: Upper Limit:	The number of Modbus messages with no response, for J14 port only	PC 3.x
46368	Modbus CRC Error Count (J14)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: Upper Limit:	The number of Modbus CRC errors, for J14 only.	PC 3.x
46369	Modbus Exception Count (J14)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: Upper Limit:	Modbus exception count, for J14 only.	PC 3.x
46370	Modbus No Response Count (J14)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: Upper Limit:	Modbus no response count, for J14 only.	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46371	Modbus Slave Message Count (J14)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: Upper Limit:	The number of Modbus slave messages, for J14 only.	PC 3.x
46372	Modbus Node Address (J14)	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 8 Sign: U Unit: Lower Limit: 1 Upper Limit: 247	Sets the Modbus address for this node, for J14 only.	PC 3.x
46373	Modbus Baud Rate (J14)	Read/Write	1.6666667 3.375 6.75	Sets the baud rate for Modbus communications, for J14 only.	PC 3.x
46374	Modbus Parity (J14)	Read/Write	0: Even 1: Odd 2: None	Sets the Modbus parity for this node, for J14 only.	PC 3.x
46376	Modbus Baud Rate	Read/Write	0: 2400 Baud 1: 4800 Baud 2: 9600 Baud 3: 19200 Baud 4: 38400 Baud	Sets the Modbus baud rate.	PC 2.x, PC 3.x
46377	Modbus Parity	Read/Write	0: Even 1: Odd 2: None	Sets the Modbus parity for this node	PC 2.x, PC 3.x
46378	Modbus Node Address	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 8 Sign: U Unit: Lower Limit: 1 Upper Limit: 247	Sets the Modbus address for this node	PC 2.x, PC 3.x
46379	Modbus Stop Bits	Read/Write	0:01 1:02	Sets the Modbus number of stop bits for this node Limited to 1 bit if parity = Odd or Even	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46380	HMI113 Fault 3 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
46381	HMI113 Fault 3 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
46382	HMI113 Fault 3 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
46383	HMI113 Fault 3 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
46384	HMI113 Fault 3 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
46385	HMI113 Fault 3 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46386	HMI113 Fault 3 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
46387	HMI113 Fault 3 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
46388	HMI113 Fault 3 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
46389	HMI113 Fault 3 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
46390	HMI113 Fault 3 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
46391	HMI113 Fault 3 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46392	HMI113 Fault 3 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
46393	HMI113 Fault 3 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
46394	HMI113 Fault 3 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
46395	HMI113 Fault 3 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
46396	HMI113 Fault 3 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
46397	HMI113 Fault 3 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46398	HMI113 Fault 3 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
46399	HMI113 Fault 3 Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text string to enter the configurable fault text for this fault.	PC 2.x, PC 3.x
46600	Aux101 0 Input 1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46601	Aux101 0 Input 1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46602	Aux101 0 Input 1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46603	Aux101 0 Input 1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46604	Aux101 0 Input 1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46605	Aux101 0 Input 1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46606	Aux101 0 Input 1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46607	Aux101 0 Input 1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46608	Aux101 0 Input 1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46609	Aux101 0 Input 1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46610	Aux101 0 Input 1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46611	Aux101 0 Input 1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46612	Aux101 0 Input 1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46613	Aux101 0 Input 1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46614	Aux101 0 Input 1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46615	Aux101 0 Input 1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46616	Aux101 0 Input 1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46617	Aux101 0 Input 1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46618	Aux101 0 Input 1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46619	Aux101 0 Input 1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46620	Aux101 0 Input 2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46621	Aux101 0 Input 2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46622	Aux101 0 Input 2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46623	Aux101 0 Input 2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46624	Aux101 0 Input 2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46625	Aux101 0 Input 2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

Addr.	Parameter	Access	Specifications	Description	Control
46626	Aux101 0 Input 2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46627	Aux101 0 Input 2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46628	Aux101 0 Input 2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46629	Aux101 0 Input 2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46630	Aux101 0 Input 2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46631	Aux101 0 Input 2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46632	Aux101 0 Input 2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46633	Aux101 0 Input 2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46634	Aux101 0 Input 2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46635	Aux101 0 Input 2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46636	Aux101 0 Input 2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46637	Aux101 0 Input 2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46638	Aux101 0 Input 2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46639	Aux101 0 Input 2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46640	Aux101 1 Input 1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46641	Aux101 1 Input 1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46642	Aux101 1 Input 1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46643	Aux101 1 Input 1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46644	Aux101 1 Input 1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46645	Aux101 1 Input 1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46646	Aux101 1 Input 1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46647	Aux101 1 Input 1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46648	Aux101 1 Input 1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46649	Aux101 1 Input 1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46650	Aux101 1 Input 1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46651	Aux101 1 Input 1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46652	Aux101 1 Input 1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46653	Aux101 1 Input 1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46654	Aux101 1 Input 1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46655	Aux101 1 Input 1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46656	Aux101 1 Input 1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46657	Aux101 1 Input 1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46658	Aux101 1 Input 1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46659	Aux101 1 Input 1 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46660	Aux101 1 Input 2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46661	Aux101 1 Input 2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46662	Aux101 1 Input 2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46663	Aux101 1 Input 2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46664	Aux101 1 Input 2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46665	Aux101 1 Input 2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46666	Aux101 1 Input 2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46667	Aux101 1 Input 2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46668	Aux101 1 Input 2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46669	Aux101 1 Input 2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46670	Aux101 1 Input 2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46671	Aux101 1 Input 2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46672	Aux101 1 Input 2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46673	Aux101 1 Input 2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46674	Aux101 1 Input 2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46675	Aux101 1 Input 2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46676	Aux101 1 Input 2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46677	Aux101 1 Input 2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46678	Aux101 1 Input 2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46679	Aux101 1 Input 2 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46800	Aux101 0 Input 3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46801	Aux101 0 Input 3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46802	Aux101 0 Input 3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46803	Aux101 0 Input 3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46804	Aux101 0 Input 3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46805	Aux101 0 Input 3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46806	Aux101 0 Input 3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46807	Aux101 0 Input 3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46808	Aux101 0 Input 3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46809	Aux101 0 Input 3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46810	Aux101 0 Input 3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46811	Aux101 0 Input 3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46812	Aux101 0 Input 3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46813	Aux101 0 Input 3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46814	Aux101 0 Input 3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46815	Aux101 0 Input 3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46816	Aux101 0 Input 3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46817	Aux101 0 Input 3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46818	Aux101 0 Input 3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46819	Aux101 0 Input 3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46820	Aux101 0 Input 4 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46821	Aux101 0 Input 4 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46822	Aux101 0 Input 4 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46823	Aux101 0 Input 4 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46824	Aux101 0 Input 4 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46825	Aux101 0 Input 4 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46826	Aux101 0 Input 4 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46827	Aux101 0 Input 4 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46828	Aux101 0 Input 4 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46829	Aux101 0 Input 4 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46830	Aux101 0 Input 4 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46831	Aux101 0 Input 4 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46832	Aux101 0 Input 4 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46833	Aux101 0 Input 4 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46834	Aux101 0 Input 4 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46835	Aux101 0 Input 4 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46836	Aux101 0 Input 4 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46837	Aux101 0 Input 4 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46838	Aux101 0 Input 4 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46839	Aux101 0 Input 4 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46840	Aux101 0 Input 5 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46841	Aux101 0 Input 5 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46842	Aux101 0 Input 5 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46843	Aux101 0 Input 5 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46844	Aux101 0 Input 5 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46845	Aux101 0 Input 5 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46846	Aux101 0 Input 5 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46847	Aux101 0 Input 5 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46848	Aux101 0 Input 5 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46849	Aux101 0 Input 5 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46850	Aux101 0 Input 5 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46851	Aux101 0 Input 5 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46852	Aux101 0 Input 5 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46853	Aux101 0 Input 5 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46854	Aux101 0 Input 5 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46855	Aux101 0 Input 5 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46856	Aux101 0 Input 5 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46857	Aux101 0 Input 5 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46858	Aux101 0 Input 5 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46859	Aux101 0 Input 5 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46860	Aux101 0 Input 6 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46861	Aux101 0 Input 6 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46862	Aux101 0 Input 6 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46863	Aux101 0 Input 6 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46864	Aux101 0 Input 6 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46865	Aux101 0 Input 6 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46866	Aux101 0 Input 6 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46867	Aux101 0 Input 6 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46868	Aux101 0 Input 6 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46869	Aux101 0 Input 6 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46870	Aux101 0 Input 6 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46871	Aux101 0 Input 6 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46872	Aux101 0 Input 6 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46873	Aux101 0 Input 6 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46874	Aux101 0 Input 6 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46875	Aux101 0 Input 6 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46876	Aux101 0 Input 6 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46877	Aux101 0 Input 6 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46878	Aux101 0 Input 6 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46879	Aux101 0 Input 6 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46880	Aux101 1 Input 3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46881	Aux101 1 Input 3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46882	Aux101 1 Input 3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46883	Aux101 1 Input 3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46884	Aux101 1 Input 3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46885	Aux101 1 Input 3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46886	Aux101 1 Input 3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46887	Aux101 1 Input 3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46888	Aux101 1 Input 3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46889	Aux101 1 Input 3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46890	Aux101 1 Input 3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46891	Aux101 1 Input 3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46892	Aux101 1 Input 3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46893	Aux101 1 Input 3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46894	Aux101 1 Input 3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46895	Aux101 1 Input 3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46896	Aux101 1 Input 3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46897	Aux101 1 Input 3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46898	Aux101 1 Input 3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46899	Aux101 1 Input 3 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46900	Aux101 1 Input 4 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit: Unit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46901	Aux101 1 Input 4 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46902	Aux101 1 Input 4 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46903	Aux101 1 Input 4 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46904	Aux101 1 Input 4 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46905	Aux101 1 Input 4 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46906	Aux101 1 Input 4 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46907	Aux101 1 Input 4 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46908	Aux101 1 Input 4 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46909	Aux101 1 Input 4 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46910	Aux101 1 Input 4 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46911	Aux101 1 Input 4 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46912	Aux101 1 Input 4 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46913	Aux101 1 Input 4 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46914	Aux101 1 Input 4 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46915	Aux101 1 Input 4 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46916	Aux101 1 Input 4 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46917	Aux101 1 Input 4 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

Addr.	Parameter	Access	Specifications	Description	Control
46918	Aux101 1 Input 4 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46919	Aux101 1 Input 4 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46920	Aux101 1 Input 5 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46921	Aux101 1 Input 5 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46922	Aux101 1 Input 5 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46923	Aux101 1 Input 5 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46924	Aux101 1 Input 5 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46925	Aux101 1 Input 5 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46926	Aux101 1 Input 5 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46927	Aux101 1 Input 5 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46928	Aux101 1 Input 5 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46929	Aux101 1 Input 5 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46930	Aux101 1 Input 5 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46931	Aux101 1 Input 5 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46932	Aux101 1 Input 5 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46933	Aux101 1 Input 5 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46934	Aux101 1 Input 5 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46935	Aux101 1 Input 5 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46936	Aux101 1 Input 5 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46937	Aux101 1 Input 5 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46938	Aux101 1 Input 5 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46939	Aux101 1 Input 5 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46940	Aux101 1 Input 6 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46941	Aux101 1 Input 6 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46942	Aux101 1 Input 6 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46943	Aux101 1 Input 6 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46944	Aux101 1 Input 6 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46945	Aux101 1 Input 6 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46946	Aux101 1 Input 6 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46947	Aux101 1 Input 6 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46948	Aux101 1 Input 6 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46949	Aux101 1 Input 6 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46950	Aux101 1 Input 6 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46951	Aux101 1 Input 6 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46952	Aux101 1 Input 6 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46953	Aux101 1 Input 6 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46954	Aux101 1 Input 6 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46955	Aux101 1 Input 6 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46956	Aux101 1 Input 6 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46957	Aux101 1 Input 6 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46958	Aux101 1 Input 6 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46959	Aux101 1 Input 6 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46960	Aux101 0 Input 7 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46961	Aux101 0 Input 7 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46962	Aux101 0 Input 7 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46963	Aux101 0 Input 7 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46964	Aux101 0 Input 7 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46965	Aux101 0 Input 7 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46966	Aux101 0 Input 7 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46967	Aux101 0 Input 7 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46968	Aux101 0 Input 7 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46969	Aux101 0 Input 7 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46970	Aux101 0 Input 7 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46971	Aux101 0 Input 7 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46972	Aux101 0 Input 7 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46973	Aux101 0 Input 7 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46974	Aux101 0 Input 7 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46975	Aux101 0 Input 7 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46976	Aux101 0 Input 7 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46977	Aux101 0 Input 7 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46978	Aux101 0 Input 7 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46979	Aux101 0 Input 7 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46980	Aux101 0 Input 8 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46981	Aux101 0 Input 8 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46982	Aux101 0 Input 8 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46983	Aux101 0 Input 8 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46984	Aux101 0 Input 8 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46985	Aux101 0 Input 8 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46986	Aux101 0 Input 8 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46987	Aux101 0 Input 8 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46988	Aux101 0 Input 8 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46989	Aux101 0 Input 8 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46990	Aux101 0 Input 8 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46991	Aux101 0 Input 8 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46992	Aux101 0 Input 8 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46993	Aux101 0 Input 8 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46994	Aux101 0 Input 8 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46995	Aux101 0 Input 8 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46996	Aux101 0 Input 8 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
46997	Aux101 0 Input 8 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46998	Aux101 0 Input 8 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
46999	Aux101 0 Input 8 Fault Text	Read/Write	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: C Unit: Lower Limit: Upper Limit:	Twenty (20) character text field to allow for the entry of the displayed configurable fault text.	PC 2.x, PC 3.x
47002	GK1 (60Hz)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	The governor 60Hz K1 gain adjust.	PC 2.x, PC 3.x
47003	GK2 (60Hz)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 168 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	The governor 60Hz integral gain adjust.	PC 2.x, PC 3.x
47004	GK3 (60Hz)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	The governor 60Hz K3 gain adjust.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
47005	Governor Damping Effect (60Hz)	Read Only	Multiplier: 1.52587890625E-05 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0.6 Upper Limit: 0.95	The governor 60Hz damping adjust.	PC 2.x, PC 3.x
47006	GK1 (50Hz)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	The governor 50Hz K1 gain adjust.	PC 2.x, PC 3.x
47007	GK2 (50Hz)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	The governor 50Hz integral gain adjust.	PC 2.x, PC 3.x
47008	GK3 (50Hz)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	The governor 50Hz K3 gain adjust.	PC 2.x, PC 3.x
47009	Governor Damping Effect (50Hz)	Read Only	Multiplier: 1.52587890625E–05 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0.6 Upper Limit: 0.95	The governor 50Hz damping adjust.	PC 2.x, PC 3.x
47010	GK1(Idle)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	This trim is used to adjust gk1 in idle mode.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
47011	GK2(Idle)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	This trim is used to adjust gk2 in idle mode.	PC 2.x, PC 3.x
47014	Gain Windowing Enable	Read Only	0: Disable 1: Enable	Either enables or disables Gain Windowing feature.	PC 2.x, PC 3.x
47015	GK1 Low(50Hz)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	The governor 50Hz K1 low gain adjust.	PC 2.x, PC 3.x
47016	GK1 Low(60Hz)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	The governor 60Hz K1 low gain adjust.	PC 2.x, PC 3.x
47017	GK1 High(50Hz)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	The governor 50Hz K1 high gain adjust.	PC 2.x, PC 3.x
47018	GK1 High(60Hz)	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 0 Upper Limit: 65530	The governor 60Hz K1 high gain adjust.	PC 2.x, PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
47019	Governor Speed Delta High	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 50 Upper Limit: 1000	The speed error higher limit.	PC 2.x, PC 3.x
47020	Governor Speed Delta Low	Read Only	Multiplier: 1 Offset: 0 Size (bits): 16 Sign: U Unit: Lower Limit: 50 Upper Limit: 1000	The speed error lower limit.	PC 2.x, PC 3.x
47021	Intake Manifold Temperature Sensor Type	Read Only	0: PGBU 1: EBU	Either PGBU(Onan) or EBU(Cummins) sensor.	PC 2.x, PC 3.x
47022	Intake Manifold Temperature Sensor Enable	Read Only	0: Disable 1: Enable	Intake Manifold Temperature Sensor available or not.	PC 2.x, PC 3.x
47023	Oil Temperature Sensor Type	Read Only	0: PGBU 1: EBU	Either PGBU(Onan) or EBU(Cummins) sensor.	PC 2.x, PC 3.x
47024	Oil Temperature Sensor Enable	Read Only	0: Disable 1: Enable	High Oil Temperature Sensor available or not.	PC 2.x, PC 3.x
47025	AVR PWM Command	Read Only	Multiplier: 0.01 Offset: 0 Size (bits): 16 Sign: U Unit: % Lower Limit: Upper Limit:	The AVR PWM software command. Linear relationship between counts and % duty cycle with 10000 counts=100% duty cycle.	PC 2.x, PC 3.x
47026	Coolant Temperature 2 Enable	Read Only	0: Disable 1: Enable	Coolant Temperature 2 Enable	PC 3.x

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Addr.	Parameter	Access	Specifications	Description	Control
47027	Start Inhibit Delay Progress	Read Only	Multiplier : 0.05 Offset: 0 Size (bits): 16 Sign: U Units: Seconds Lower Limit: NA Upper Limit: NA Default: NA	Delay progress until a fault is declared for start inhibit	PC 3.x
47028	Genset Voltage Sensing MCB status	Read Only	0: Close 1: Open 2: Reserved 3: N/A 4: Network Failure	Indicates the Genset Voltage sensing MCB status.	PC 3.x
47029	Customer Gas Valve Status	Read Only	0: Open 1: Closed 2: Reserved 3: N/A 4: Network Failure	Indicates the status of the Customer Gas Valve position.	PC 3.x
47030	Crankcase Pressure Extended	Read Only	Multiplier : 0.01 Offset: 0 Size (bits): 16 Sign: S Units: psi Lower Limit: -35.67 Upper Limit: 38 Default: NA	Monitor point for the Crankcase Pressure with extended precision.	PC 2.x PC 3.x

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6 PowerCommand 2.x/3.x Modbus Fault Status Bitmaps

NOTICE

Earlier versions of software may not support all of the Modbus registers in the following table. If a particular register is not available in your installation, it is possible that the Modbus connection is working but the controller software does not support that particular register.

NOTICE

If an address or bit is not listed in this table it is not implemented.

NOTICE

The Master device can read 1-40 contiguous registers, write 1-40 contiguous registers, or read diagnostic counters.

Addr.	Bit#	Name	Fault Code	Event Name	Response	Control
40400	0	Fault Status Bitmap 1	115	Engine Magnetic Crankshaft Speed/Position	Shutdown	PC 2.x, PC 3.x
40400	1	Fault Status Bitmap 1	122	Intake Manifold 1 Pressure: Vtg Above Normal	Warning	PC 2.x, PC 3.x
40400	2	Fault Status Bitmap 1	123	Intake Manifold 1 Pressure: Vtg Below Normal	Warning	PC 2.x, PC 3.x
40400	3	Fault Status Bitmap 1	124	Intake Manifold 1 Pressure: Moderately Severe	Warning	PC 2.x, PC 3.x
40400	4	Fault Status Bitmap 1	135	Engine Oil Rifle Pressure 1: Vtg Above Normal	Warning	PC 2.x, PC 3.x
40400	5	Fault Status Bitmap 1	141	Engine Oil Rifle Pressure 1: Vtg Below Normal	Warning	PC 2.x, PC 3.x
40400	6	Fault Status Bitmap 1	143	Engine Oil Rifle Pressure - Moderately Severe	Warning	PC 2.x, PC 3.x
40400	7	Fault Status Bitmap 1	144	Engine Coolant Temp 1: Vtg Above Normal	Warning	PC 2.x, PC 3.x
40400	8	Fault Status Bitmap 1	145	Engine Coolant Temp 1: Vtg Below Normal	Warning	PC 2.x, PC 3.x
40400	9	Fault Status Bitmap 1	146	Engine Coolant Temp: Moderately Above Normal	Derate	PC 2.x, PC 3.x
40400	10	Fault Status Bitmap 1	151	Engine Coolant Temp: Severely Above Normal	Shutdown	PC 2.x, PC 3.x

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Addr.	Bit#	Name	Fault Code	Event Name	Response	Control
40400	11	Fault Status Bitmap 1	153	Intake Manifold 1 Temp: Vtg Above Normal	Warning	PC 2.x, PC 3.x
40400	12	Fault Status Bitmap 1	154	Intake Manifold 1 Temp: Vtg Below Normal	Warning	PC 2.x, PC 3.x
40400	13	Fault Status Bitmap 1	155	Intake Manifold 1 Temp: Severely Above Normal	Shutdown	PC 2.x, PC 3.x
40400	14	Fault Status Bitmap 1	187	Sensor Supply 2: Vtg Below Normal	Warning	PC 2.x, PC 3.x
40400	15	Fault Status Bitmap 1	195	Coolant Level Sensor 1: Vtg Above Normal	Warning	PC 2.x, PC 3.x
40401	0	Fault Status Bitmap 2	196	Coolant Level Sensor 1: Vtg Below Normal	Warning	PC 2.x, PC 3.x
40401	1	Fault Status Bitmap 2	197	Coolant Level: Below Normal - Moderately Severe	Warning	PC 2.x, PC 3.x
40401	2	Fault Status Bitmap 2	212	Engine Oil Temp Sensor 1: Vtg Above Normal	Warning	PC 2.x, PC 3.x
40401	3	Fault Status Bitmap 2	213	Engine Oil Temp Sensor 1: Vtg below Normal	Warning	PC 2.x, PC 3.x
40401	4	Fault Status Bitmap 2	214	Engine Oil Temp: Above Normal - Most severe	Shutdown	PC 2.x, PC 3.x
40401	5	Fault Status Bitmap 2	221	Barometric Pressure: Vtg Above Normal	Warning	PC 2.x, PC 3.x
40401	6	Fault Status Bitmap 2	222	Barometric Pressure Sensor: Vtg Below Normal	Warning	PC 2.x, PC 3.x
40401	7	Fault Status Bitmap 2	223	Engine Oil Burn Valve Solenoid: Vtg Below Normal	Warning	PC 2.x, PC 3.x
40401	8	Fault Status Bitmap 2	224	Engine Oil Burn Valve Solenoid: Vtg Above Normal	Warning	PC 2.x, PC 3.x
40401	9	Fault Status Bitmap 2	227	Sensor Supply 2: Vtg Above Normal	Warning	PC 2.x, PC 3.x
40401	10	Fault Status Bitmap 2	228	Coolant Pressure: Below Normal-Most Severe	Shutdown	PC 2.x, PC 3.x
40401	11	Fault Status Bitmap 2	231	Coolant Pressure Sensor: Vtg Above Normal	Warning	PC 2.x, PC 3.x
40401	12	Fault Status Bitmap 2	232	Coolant Pressure Sensor: Vtg Below Normal	Warning	PC 2.x, PC 3.x
40401	13	Fault Status Bitmap 2	234	Engine Crankshaft Speed/Posn: Above Normal	Shutdown	PC 2.x, PC 3.x

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Addr.	Bit#	Name	Fault Code	Event Name	Response	Control
40401	14	Fault Status Bitmap 2	235	Coolant Level: Below Normal-Most Severe	Shutdown	PC 2.x, PC 3.x
40401	15	Fault Status Bitmap 2	238	Sensor Supply 3: Vtg Below Normal	Warning	PC 2.x, PC 3.x
40402	0	Fault Status Bitmap 3	239	Voltage Supply C High Error	Warning	PC 2.x, PC 3.x
40402	1	Fault Status Bitmap 3	245	Radiator Fan Control Driver Low Error	Warning	PC 2.x, PC 3.x
40402	2	Fault Status Bitmap 3	261	Engine Fuel Temp: Above Normal-Moderately Severe	Warning	PC 2.x, PC 3.x
40402	3	Fault Status Bitmap 3	263	Engine Fuel Temp Sensor 1: Vtg Above Normal	Warning	PC 2.x, PC 3.x
40402	4	Fault Status Bitmap 3	265	Engine Fuel Temp Sensor 1: Vtg Below Normal	Warning	PC 2.x, PC 3.x
40402	5	Fault Status Bitmap 3	266	Engine Fuel Temp: Above Normal-Most severe	Shutdown	PC 2.x, PC 3.x
40402	6	Fault Status Bitmap 3	271	Fuel Pump Pressurizing Assembly 1: Vtg Below Normal	Warning	PC 2.x, PC 3.x
40402	7	Fault Status Bitmap 3	272	Fuel Pump Pressurizing Assembly 1: Vtg Above Normal	Warning	PC 2.x, PC 3.x
40402	8	Fault Status Bitmap 3	281	APC_Diesel_CYL_PRS_IMBAL_Error	Warning	PC 2.x, PC 3.x
40402	9	Fault Status Bitmap 3	285	SAE J1939 Muxing PGN Timeout: Abnormal Update Rate	Warning	PC 2.x, PC 3.x
40402	10	Fault Status Bitmap 3	286	SAE J1939 Muxing Config: Out of Calibration	Warning	PC 2.x, PC 3.x
40402	13	Fault Status Bitmap 3	295	Ambient_Air_Press_KeyOn_Error	Warning	PC 2.x, PC 3.x
40402	14	Fault Status Bitmap 3	319	RTC PWR Intr: Data Erratic Intermittent or Wrong	Warning	PC 2.x, PC 3.x
40402	15	Fault Status Bitmap 3	322	Injector Solenoid Driver Cylinder 1: UnderCurrent	Warning	PC 2.x, PC 3.x
40403	0	Fault Status Bitmap 4	323	Injector Solenoid Driver Cylinder 5: UnderCurrent	Warning	PC 2.x, PC 3.x
40403	1	Fault Status Bitmap 4	324	Injector Solenoid Driver Cylinder 3: UnderCurrent	Warning	PC 2.x, PC 3.x
40403	2	Fault Status Bitmap 4	325	Injector Solenoid Driver Cylinder 6: UnderCurrent	Warning	PC 2.x, PC 3.x

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Addr.	Bit#	Name	Fault Code	Event Name	Response	Control
40403	3	Fault Status Bitmap 4	331	Injector Solenoid Driver Cylinder 2: UnderCurrent	Warning	PC 2.x, PC 3.x
40403	4	Fault Status Bitmap 4	332	Injector Solenoid Driver Cylinder 4: UnderCurrent	Warning	PC 2.x, PC 3.x
40403	6	Fault Status Bitmap 4	342	Electronic Calibration Code: Out of Calibration	Shutdown	PC 2.x, PC 3.x
40403	7	Fault Status Bitmap 4	343	Eng Ctrl: internal h/w failure-Bad Device/Component	Warning	PC 2.x, PC 3.x
40403	8	Fault Status Bitmap 4	351	Injector Power Supply: Bad Device/Component	Warning	PC 2.x, PC 3.x
40403	9	Fault Status Bitmap 4	352	Sensor Supply 1: Vtg Below Normal	Warning	PC 2.x, PC 3.x
40403	10	Fault Status Bitmap 4	359	Fail To Start Fault	Shutdown	PC 2.x, PC 3.x
40403	11	Fault Status Bitmap 4	386	Sensor Supply 1: Vtg Above Normal	Warning	PC 2.x, PC 3.x
40403	12	Fault Status Bitmap 4	415	Eng Oil Rifle Pressure: Below Normal-Most Severe	Shutdown	PC 2.x, PC 3.x
40403	13	Fault Status Bitmap 4	418	Water in Fuel Indicator: Above Normal-Least Severe	Warning	PC 2.x, PC 3.x
40403	14	Fault Status Bitmap 4	421	Eng Oil Temp: Above Normal-Moderately Severe	Warning	PC 2.x, PC 3.x
40403	15	Fault Status Bitmap 4	422	Coolant_Level_Reading_Incorrect	Warning	PC 2.x, PC 3.x
40404	0	Fault Status Bitmap 5	425	OIL_Temperature_In_Range_Error	Warning	PC 2.x, PC 3.x
40404	1	Fault Status Bitmap 5	426	J1939 Datalink: Data Erratic/Intermittent/Wrong	NONE	PC 2.x, PC 3.x
40404	2	Fault Status Bitmap 5	427	CAN Datalink Degraded	Warning	PC 2.x, PC 3.x
40404	3	Fault Status Bitmap 5	435	OIL_Pressure_Switch_Error	Warning	PC 2.x, PC 3.x
40404	4	Fault Status Bitmap 5	441	Low Battery Voltage	Warning	PC 2.x, PC 3.x
40404	5	Fault Status Bitmap 5	442	High Battery Voltage	Warning	PC 2.x, PC 3.x
40404	6	Fault Status Bitmap 5	449	Injector Metering Rail 1 Pressure: Above Normal	Shutdown	PC 2.x, PC 3.x

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Addr.	Bit#	Name	Fault Code	Event Name	Response	Control
40404	7	Fault Status Bitmap 5	451	Injector Metering Rail 1 Pressure: Vtg Above Normal	Warning	PC 2.x, PC 3.x
40404	8	Fault Status Bitmap 5	452	Injector Metering Rail 1 Pressure: Vtg Below Normal	Warning	PC 2.x, PC 3.x
40404	9	Fault Status Bitmap 5	488	Intake Manifold 1 Temp: Above Normal-Moderate	Derate	PC 2.x, PC 3.x
40404	10	Fault Status Bitmap 5	546	Fuel Delivery Pressure: Vtg Above Normal	Warning	PC 2.x, PC 3.x
40404	11	Fault Status Bitmap 5	547	Fuel Delivery Pressure: Vtg Below Normal	Warning	PC 2.x, PC 3.x
40404	12	Fault Status Bitmap 5	553	APC_Diesel_High_PRS_Error	Warning	PC 2.x, PC 3.x
40404	13	Fault Status Bitmap 5	554	APC_DieselL_PRS_SIR_Error	Warning	PC 2.x, PC 3.x
40404	15	Fault Status Bitmap 5	559	Injector Metering Rail 1 Pressure: Below Normal	Warning	PC 2.x, PC 3.x
40405	1	Fault Status Bitmap 6	611	Engine Shut Down Hot Condition Exists	Warning	PC 2.x, PC 3.x
40405	2	Fault Status Bitmap 6	698	ECM Internal Temperature Low Error	Warning	PC 2.x, PC 3.x
40405	3	Fault Status Bitmap 6	689	Eng Crankshaft Speed/Pos Warning	Warning	PC 2.x, PC 3.x
40405	4	Fault Status Bitmap 6	731	Eng Speed: Cam/Crankshaft Misalignment	Warning	PC 2.x, PC 3.x
40405	5	Fault Status Bitmap 6	2661	At Least One ACK: Most Severe Fault	Shutdown	PC 2.x, PC 3.x
40405	6	Fault Status Bitmap 6	781	CAN Datalink Failed	Shutdown	PC 2.x, PC 3.x
40405	7	Fault Status Bitmap 6	1117	Power Lost With Ignition On	Warning	PC 2.x, PC 3.x
40405	8	Fault Status Bitmap 6	1122	Rated to Idle Transition	NONE	PC 2.x, PC 3.x
40405	9	Fault Status Bitmap 6	1124	Delayed Shutdown Fault	Warning	PC 2.x, PC 3.x
40405	10	Fault Status Bitmap 6	1131	Battle Short Mode Active	Warning	PC 2.x, PC 3.x
40405	11	Fault Status Bitmap 6	1132	Controlled Shutdown In Process	Warning	PC 3.x

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Addr.	Bit#	Name	Fault Code	Event Name	Response	Control
40405	13	Fault Status Bitmap 6	1243	Engine Derate	Derate	PC 2.x, PC 3.x
40405	14	Fault Status Bitmap 6	1244	Engine Normal Shutdown	Shutdown w/Cooldown	PC 2.x, PC 3.x
40405	15	Fault Status Bitmap 6	1245	Engine Shutdown	Shutdown	PC 2.x, PC 3.x
40406	0	Fault Status Bitmap 7	1246	Unrecognized Engine Fault	Warning	PC 2.x, PC 3.x
40406	1	Fault Status Bitmap 7	1247	Engine Shutdown – Unannounced	Shutdown	PC 2.x, PC 3.x
40406	2	Fault Status Bitmap 7	1248	Engine Warning	Warning	PC 2.x, PC 3.x
40406	3	Fault Status Bitmap 7	1256	Ctrl Module ID Input State Warning Error	Warning	PC 2.x, PC 3.x
40406	4	Fault Status Bitmap 7	1257	Ctrl Module ID I/P State shutdown Error	Shutdown	PC 2.x, PC 3.x
40406	5	Fault Status Bitmap 7	1322	kW Load Setpoint OOR High	Warning	PC 3.x
40406	6	Fault Status Bitmap 7	1323	kW Load Setpoint OOR Low	Warning	PC 3.x
40406	7	Fault Status Bitmap 7	1324	kVAR Load Setpoint OOR High	Warning	PC 3.x
40406	8	Fault Status Bitmap 7	1325	kVAR Load Setpoint OOR Low	Warning	PC 3.x
40406	9	Fault Status Bitmap 7	1336	Cooldown Completed Fault	Shutdown	PC 2.x, PC 3.x
40406	10	Fault Status Bitmap 7	1357	Eng Oil Level Remote Reservoir: Below Normal	Warning	PC 2.x, PC 3.x
40406	11	Fault Status Bitmap 7	219	Eng Oil Level Remote Reservoir: Least Severe Level	Warning	PC 2.x, PC 3.x
40406	12	Fault Status Bitmap 7	233	HT Coolant Pressure Moderate Low	Warning	PC 2.x, PC 3.x
40406	13	Fault Status Bitmap 7	254	FSO NON Low Control Error	Shutdown	PC 2.x, PC 3.x
40406	14	Fault Status Bitmap 7	686	Turbo 1 Speed Incorrect	Warning	PC 2.x, PC 3.x
40406	15	Fault Status Bitmap 7	697	ECM Internal Temperature High Error	Warning	PC 2.x, PC 3.x

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Addr.	Bit#	Name	Fault Code	Event Name	Response	Control
40407	0	Fault Status Bitmap 8	1376	Eng Camshaft Speed/Pos Warning	Warning	PC 2.x, PC 3.x
40407	1	Fault Status Bitmap 8	3611	Custom Overcurrent Fault	Warning	PC 3.x
40407	2	Fault Status Bitmap 8	3513	Negative Sequence Overcurrent	Warning	PC 3.x
40407	3	Fault Status Bitmap 8	1416	Fail to Shutdown	Warning	PC 2.x, PC 3.x
40407	4	Fault Status Bitmap 8	1417	Power Down Failure	Warning	PC 2.x, PC 3.x
40407	5	Fault Status Bitmap 8	1433	Local E-Stop	Shutdown	PC 2.x, PC 3.x
40407	6	Fault Status Bitmap 8	1434	Remote E-Stop	Shutdown	PC 2.x, PC 3.x
40407	7	Fault Status Bitmap 8	1435	Low Coolant Temperature	Warning	PC 2.x, PC 3.x
40407	8	Fault Status Bitmap 8	1438	Fail To Crank Fault	Shutdown	PC 2.x, PC 3.x
40407	9	Fault Status Bitmap 8	1439	Low Fuel in Day Tank	Warning	PC 2.x, PC 3.x
40407	10	Fault Status Bitmap 8	1441	Low Fuel Level	Warning	PC 2.x, PC 3.x
40407	11	Fault Status Bitmap 8	1442	Weak Battery	Warning	PC 2.x, PC 3.x
40407	12	Fault Status Bitmap 8	1443	Dead Battery	Shutdown	PC 2.x, PC 3.x
40407	13	Fault Status Bitmap 8	1444	Overload	Warning	PC 2.x, PC 3.x
40407	14	Fault Status Bitmap 8	1445	Short Circuit	Shutdown	PC 2.x, PC 3.x
40407	15	Fault Status Bitmap 8	1446	High AC Voltage	Shutdown	PC 2.x, PC 3.x
40408	0	Fault Status Bitmap 9	1447	Low AC Voltage	Shutdown	PC 2.x, PC 3.x
40408	1	Fault Status Bitmap 9	1448	Underfrequency	Shutdown	PC 2.x, PC 3.x
40408	2	Fault Status Bitmap 9	1449	Overfrequency	Warning	PC 2.x, PC 3.x

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Addr.	Bit#	Name	Fault Code	Event Name	Response	Control
40408	3	Fault Status Bitmap 9	1459	Reverse kW	Shutdown	PC 2.x, PC 3.x
40408	4	Fault Status Bitmap 9	1461	Loss of Field	Shutdown	PC 2.x, PC 3.x
40408	5	Fault Status Bitmap 9	1463	Not In Auto	NONE	PC 2.x, PC 3.x
40408	6	Fault Status Bitmap 9	1464	Load Dump	Warning	PC 2.x, PC 3.x
40408	7	Fault Status Bitmap 9	1465	Ready To Load	NONE	PC 2.x, PC 3.x
40408	8	Fault Status Bitmap 9	1469	Speed/Frequency Mismatch Fault	Shutdown	PC 2.x, PC 3.x
40408	9	Fault Status Bitmap 9	1471	High Current Warning	Warning	PC 2.x, PC 3.x
40408	10	Fault Status Bitmap 9	1472	Overcurrent Shutdown	Shutdown	PC 2.x, PC 3.x
40408	11	Fault Status Bitmap 9	1483	Common Alarm	None	PC 2.x, PC 3.x
40408	12	Fault Status Bitmap 9	1548	Injector Solenoid Driver Cylinder 7: UnderCurrent	Warning	PC 2.x, PC 3.x
40408	13	Fault Status Bitmap 9	1549	Injector Solenoid Driver Cylinder 8: UnderCurrent	Warning	PC 2.x, PC 3.x
40408	14	Fault Status Bitmap 9	1551	Injector Solenoid Driver Cylinder 10: UnderCurrent	Warning	PC 2.x, PC 3.x
40408	15	Fault Status Bitmap 9	1552	Injector Solenoid Driver Cylinder 11: UnderCurrent	Warning	PC 2.x, PC 3.x
40409	0	Fault Status Bitmap 10	1553	Injector Solenoid Driver Cylinder 12: UnderCurrent	Warning	PC 2.x, PC 3.x
40409	1	Fault Status Bitmap 10	1554	Injector Solenoid Driver Cylinder 13: UnderCurrent	Warning	PC 2.x, PC 3.x
40409	2	Fault Status Bitmap 10	1555	Injector Solenoid Driver Cylinder 14: UnderCurrent	Warning	PC 2.x, PC 3.x
40409	3	Fault Status Bitmap 10	1556	Injector Solenoid Driver Cylinder 15: UnderCurrent	Warning	PC 2.x, PC 3.x
40409	4	Fault Status Bitmap 10	1557	Injector Solenoid Driver Cylinder 16: UnderCurrent	Warning	PC 2.x, PC 3.x
40409	7	Fault Status Bitmap 10	1622	Injector Solenoid Driver Cylinder 9: UnderCurrent	Warning	PC 2.x, PC 3.x

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Addr.	Bit#	Name	Fault Code	Event Name	Response	Control
40409	8	Fault Status Bitmap 10	1689	Real Time Clock Power Interrupt Fault	Warning	PC 2.x, PC 3.x
40409	9	Fault Status Bitmap 10	1695	Sensor_Supply_5_Voltage_High_Error	Warning	PC 2.x, PC 3.x
40409	10	Fault Status Bitmap 10	1696	SENSOR_SUPPLY_5_VOLTAGE_LOW_ERROR	Warning	PC 2.x, PC 3.x
40409	11	Fault Status Bitmap 10	1843	Crankcase Pressure: Vtg Above Normal	Warning	PC 2.x, PC 3.x
40409	12	Fault Status Bitmap 10	1844	Crankcase Pressure: Vtg Below Normal	Warning	PC 2.x, PC 3.x
40409	13	Fault Status Bitmap 10	1845	Water in Fuel Indicator: Vtg Above Normal	Warning	PC 2.x, PC 3.x
40409	14	Fault Status Bitmap 10	1846	Water in Fuel Indicator: Vtg Below Normal	Warning	PC 2.x, PC 3.x
40409	15	Fault Status Bitmap 10	1847	Eng Coolant Temp - Shutdown w/Cool	Shutdown w/Cooldown	PC 2.x, PC 3.x
40410	0	Fault Status Bitmap 11	1852	Water in Fuel Indicator: Above Normal-Moderate	Warning	PC 2.x, PC 3.x
40410	1	Fault Status Bitmap 11	1853	HMI113 Fault 1	NONE	PC 2.x, PC 3.x
40410	2	Fault Status Bitmap 11	1854	HMI113 Fault 2	NONE	PC 2.x, PC 3.x
40410	3	Fault Status Bitmap 11	1855	HMI113 Fault 3	NONE	PC 2.x, PC 3.x
40410	5	Fault Status Bitmap 11	1891	Eng Oil Change Interval	Warning	PC 2.x, PC 3.x
40410	6	Fault Status Bitmap 11	1893	J39_EGR_Valve_Comm_Timeout_Error	Warning	PC 2.x, PC 3.x
40410	7	Fault Status Bitmap 11	1894	J39_VGT_Comm_Timeout_Error	Warning	PC 2.x, PC 3.x
40410	8	Fault Status Bitmap 11	1896	EGR_DL_Valve_Stuck_Error	Warning	PC 2.x, PC 3.x
40410	9	Fault Status Bitmap 11	1899	EGR_Delta_P_IR_Low_Error	Warning	PC 2.x, PC 3.x
40410	11	Fault Status Bitmap 11	1912	Utility Loss Of Phase	Warning	PC 3.x
40410	12	Fault Status Bitmap 11	1913	Genset Loss Of Phase	Warning	PC 3.x

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Addr.	Bit#	Name	Fault Code	Event Name	Response	Control
40410	13	Fault Status Bitmap 11	1914	Utility Phase Rotation	Warning	PC 3.x
40410	14	Fault Status Bitmap 11	1915	Genset Phase Rotation	Warning	PC 3.x
40410	15	Fault Status Bitmap 11	1916	Sync Check OK	NONE	PC 3.x
40411	0	Fault Status Bitmap 12	1917	High Fuel Level	Warning	PC 2.x, PC 3.x
40411	1	Fault Status Bitmap 12	1918	Very Low Fuel Level	Shutdown	PC 2.x, PC 3.x
40411	2	Fault Status Bitmap 12	1933	EGR_DL_Voltage_High_Error	Warning	PC 2.x, PC 3.x
40411	3	Fault Status Bitmap 12	1934	EGR_DL_Voltage_Low_Error	Warning	PC 2.x, PC 3.x
40411	4	Fault Status Bitmap 12	1935	EGR_DL_Command_Source_Error	Warning	PC 2.x, PC 3.x
40411	5	Fault Status Bitmap 12	1942	Beyond_THD_AZ_Error	Warning	PC 2.x, PC 3.x
40411	6	Fault Status Bitmap 12	1943	CBR_Density_Detrat_Error_ID	NONE	PC 2.x, PC 3.x
40411	7	Fault Status Bitmap 12	1944	HMI113 Output Configuration Fault	Warning	PC 2.x, PC 3.x
40411	8	Fault Status Bitmap 12	1961	EGR_DL_EDU_TMPTR_High_Error	Warning	PC 2.x, PC 3.x
40411	9	Fault Status Bitmap 12	1974	Crankcase_Pressure_Least_Sev_High	Warning	PC 2.x, PC 3.x
40411	10	Fault Status Bitmap 12	1992	Eng Crankshaft Speed/Posn: Above Normal	Shutdown	PC 2.x, PC 3.x
40411	11	Fault Status Bitmap 12	1999	Maximum Parallel Time	Warning	PC 3.x
40411	12	Fault Status Bitmap 12	2185	Sensor Supply 4: Vtg Above Normal	Warning	PC 2.x, PC 3.x
40411	13	Fault Status Bitmap 12	2186	Sensor Supply 4: Vtg Below Normal	Warning	PC 2.x, PC 3.x
40411	14	Fault Status Bitmap 12	2215	Fuel Pump Delivery Pressure: Below Normal	Warning	PC 2.x, PC 3.x
40411	15	Fault Status Bitmap 12	2249	APC_Diesel_Low2_Prs_Error	Warning	PC 2.x, PC 3.x

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Addr.	Bit#	Name	Fault Code	Event Name	Response	Control
40412	0	Fault Status Bitmap 13	2261	Fuel Pump Delivery Pressure: Above Normal	Warning	PC 2.x, PC 3.x
40412	1	Fault Status Bitmap 13	2262	Fuel Pump Delivery-Below Normal	Warning	PC 2.x, PC 3.x
40412	2	Fault Status Bitmap 13	2265	Electric Lift Pump for Eng Fuel: Vtg Above Normal	Warning	PC 2.x, PC 3.x
40412	3	Fault Status Bitmap 13	2266	Electric Lift Pump for Eng Fuel: Vtg Below Normal	Warning	PC 2.x, PC 3.x
40412	4	Fault Status Bitmap 13	2292	APC_Diesel_Flow_High_Error	Warning	PC 2.x, PC 3.x
40412	5	Fault Status Bitmap 13	2293	APC_Diesel_Flow_Low_Error	Warning	PC 2.x, PC 3.x
40412	6	Fault Status Bitmap 13	2311	Electronic Fuel Injection Control Valve	Warning	PC 2.x, PC 3.x
40412	7	Fault Status Bitmap 13	2328	Utility Available	NONE	PC 3.x
40412	8	Fault Status Bitmap 13	2331	Utility Undervoltage	Warning	PC 3.x
40412	9	Fault Status Bitmap 13	2332	Utility Connected	NONE	PC 3.x
40412	10	Fault Status Bitmap 13	2333	Genset Connected	NONE	PC 3.x
40412	11	Fault Status Bitmap 13	2335	Excitation/Loss of AC Voltage Sensing	Shutdown	PC 2.x, PC 3.x
40412	13	Fault Status Bitmap 13	2342	Too Long in Idle	Warning	PC 2.x, PC 3.x
40412	14	Fault Status Bitmap 13	2358	Utility Overvoltage	Warning	PC 3.x
40412	15	Fault Status Bitmap 13	2377	Fan Control: Vtg Above Normal	Warning	PC 2.x, PC 3.x
40413	0	Fault Status Bitmap 14	2396	Utility Breaker Fail To Close	Warning	PC 3.x
40413	1	Fault Status Bitmap 14	2397	Utility Breaker Fail To Open	Warning	PC 3.x
40413	2	Fault Status Bitmap 14	3226	Base Load	NONE	PC 3.x
40413	3	Fault Status Bitmap 14	3227	Peak Shave	NONE	PC 3.x
40413	4	Fault Status Bitmap 14	2555	GHC_Low_Voltage_Error_1	Warning	PC 2.x, PC 3.x

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Addr.	Bit#	Name	Fault Code	Event Name	Response	Control
40413	5	Fault Status Bitmap 14	2556	GHC_High_Voltage_Error_1	Warning	PC 2.x, PC 3.x
40413	6	Fault Status Bitmap 14	2678	Charging Alternator Failure Fault	Warning	PC 2.x, PC 3.x
40413	7	Fault Status Bitmap 14	2965	Genset Available	NONE	PC 3.x
40413	8	Fault Status Bitmap 14	2971	Test/Exercise is Active Fault	NONE	PC 2.x, PC 3.x
40413	9	Fault Status Bitmap 14	2972	Field Overload	Shutdown	PC 2.x, PC 3.x
40413	10	Fault Status Bitmap 14	2973	Charge_Press_IR_Error	Warning	PC 2.x, PC 3.x
40413	11	Fault Status Bitmap 14	2943	Manual Switch Configuration Fault	Warning	PC 2.x, PC 3.x
40413	12	Fault Status Bitmap 14	2944	Auto Switch Configuration Fault	Warning	PC 2.x, PC 3.x
40413	13	Fault Status Bitmap 14	2914	Genset AC Meter Failed	Shutdown	PC 2.x, PC 3.x
40413	14	Fault Status Bitmap 14	2915	Genset Bus AC Meter Failed	Warning	PC 3.x
40413	15	Fault Status Bitmap 14	2916	Utility AC Meter Failed	Warning	PC 3.x
40414	0	Fault Status Bitmap 15	2814	Genset CT Ratio Too Small	Shutdown	PC 2.x, PC 3.x
40414	1	Fault Status Bitmap 15	2815	Genset CT Ratio Too Large	Warning	PC 2.x, PC 3.x
40414	2	Fault Status Bitmap 15	2816	Genset PT Ratio Too Small	Shutdown	PC 2.x, PC 3.x
40414	3	Fault Status Bitmap 15	2817	Genset PT Ratio Too Large	Warning	PC 2.x, PC 3.x
40414	4	Fault Status Bitmap 15	2818	Genset Bus PT Ratio Too Small	Shutdown	PC 3.x
40414	5	Fault Status Bitmap 15	2819	Genset Bus PT Ratio Too Large	Warning	PC 3.x
40414	6	Fault Status Bitmap 15	2821	Utility PT Ratio Too Small	Shutdown	PC 3.x
40414	7	Fault Status Bitmap 15	2822	Utility PT Ratio Too Large	Warning	PC 3.x

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Addr.	Bit#	Name	Fault Code	Event Name	Response	Control
40414	8	Fault Status Bitmap 15	2619	Aux101 0 Input 1 Fault	Warning	PC 2.x, PC 3.x
40414	9	Fault Status Bitmap 15	2621	Aux101 0 Input 2 Fault	Warning	PC 2.x, PC 3.x
40414	10	Fault Status Bitmap 15	2622	Aux101 0 Input 3 Fault	Warning	PC 2.x, PC 3.x
40414	11	Fault Status Bitmap 15	2623	Aux101 0 Input 4 Fault	Warning	PC 2.x, PC 3.x
40414	12	Fault Status Bitmap 15	2624	Aux101 0 Input 5 Fault	Warning	PC 2.x, PC 3.x
40414	13	Fault Status Bitmap 15	2625	Aux101 0 Input 6 Fault	Warning	PC 2.x, PC 3.x
40414	14	Fault Status Bitmap 15	2626	Aux101 0 Input 7 Fault	Warning	PC 2.x, PC 3.x
40414	15	Fault Status Bitmap 15	2627	Aux101 0 Input 8 Fault	Warning	PC 2.x, PC 3.x
40415	0	Fault Status Bitmap 16	2882	Aux101 1 Input 1 Fault	Warning	PC 2.x, PC 3.x
40415	1	Fault Status Bitmap 16	2883	Aux101 1 Input 2 Fault	Warning	PC 2.x, PC 3.x
40415	2	Fault Status Bitmap 16	2884	Aux101 1 Input 3 Fault	Warning	PC 2.x, PC 3.x

Addr.	Bit#	Name	Fault Code	Event Name	Response	Control
41419	9	Fault Status Bitmap 38	7548	Engine Friction Below Baseline - Least Severe	None	PCC3300, PCC3300V2
41419	10	Fault Status Bitmap 38	7549	Engine Friction Below Baseline - Moderately Severe	Warning	PC3300, PCC3300V2
41419	11	Fault Status Bitmap 38	7551	Engine Friction Above Baseline - Least Severe	None	PCC3300, PCC3300V2
41419	12	Fault Status Bitmap 38	7552	Engine Friction Above Baseline - Moderately Severe	Warning	PCC3300, PCC3300V2
41419	13	Fault Status Bitmap 38	7553	Engine Friction Devn Above - Baseline - Mod Severity	Warning	PCC3300, PCC3300V2

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Addr.	Bit#	Name	Fault Code	Event Name	Response	Control
41419	14	Fault Status Bitmap 38	7554	Engine Friction Devn Above Baseline - Most Severe	Shutdown	PCC3300, PCC3300V2
41419	15	Fault Status Bitmap 38	7555	Alternator Feedback Power	Shutdown	PCC3300, PCC3300V2

Addr.	Bit#	Name	Fault Code	Event Name	Response	Control
40440	7	Fault Status Gas Bitmap 10	1588	Heavy_Knock_Error_17_(A9)	Shutdown w/Cooldown	PC 3.x
40440	8	Fault Status Gas Bitmap 10	1593	Continuous_Light_Knock_Error_18_(B9)	Shutdown w/Cooldown	PC 3.x
40440	9	Fault Status Gas Bitmap 10	1618	Exhaust Gas Temp, Cyl 1 (A1) OORH	Warning	PC 3.x
40440	10	Fault Status Gas Bitmap 10	1619	Exhaust Gas Temp, Cyl 4 (B2) OORH	Warning	PC 3.x
40440	11	Fault Status Gas Bitmap 10	1636	Intake Manif Press 2 OORH	Warning	PC 3.x
40440	12	Fault Status Gas Bitmap 10	1637	Intake Manif Press 2 OORL	Warning	PC 3.x
40440	13	Fault Status Gas Bitmap 10	1737	CAN_Throttle_Internal_Failure_Error	Shutdown w/Cooldown	PC 3.x
40440	14	Fault Status Gas Bitmap 10	1738	CAN_Throttle_Internal_Fault_Error	Warning	PC 3.x
40440	15	Fault Status Gas Bitmap 10	1739	Engine Throttle Control Condition Exists	Warning	PC 3.x
40441	0	Fault Status Gas Bitmap 11	1741	CAN_Throttle_High_Temp_Warning_Error	Warning	PC 3.x
40441	1	Fault Status Gas Bitmap 11	1742	CAN_Throttle_Temp_Limiting_Error	Warning	PC 3.x
40441	2	Fault Status Gas Bitmap 11	1743	Throttle Ctrl 2 OOR High	Shutdown w/Cooldown	PC 3.x
40441	3	Fault Status Gas Bitmap 11	1744	Throttle Ctrl 2 OOR Low	Shutdown w/Cooldown	PC 3.x
40441	4	Fault Status Gas Bitmap 11	1745	Throttle Ctrl 2 Incorrect	Shutdown w/Cooldown	PC 3.x
40441	5	Fault Status Gas Bitmap 11	1746	Throttle Ctrl 2 Out of Adjustment	Shutdown w/Cooldown	PC 3.x
40441	6	Fault Status Gas Bitmap 11	1747	Throttle Ctrl 2 Bad Device	Shutdown w/Cooldown	PC 3.x

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Addr.	Bit#	Name	Fault Code	Event Name	Response	Control
40441	7	Fault Status Gas Bitmap 11	1748	Throttle Ctrl 2 Root Unknown	Warning	PC 3.x
40441	8	Fault Status Gas Bitmap 11	1749	Throttle Ctrl 2 Condition Exists	Warning	PC 3.x
40441	9	Fault Status Gas Bitmap 11	1751	Throttle Ctrl 2 Warning High	Warning	PC 3.x
40441	10	Fault Status Gas Bitmap 11	1752	Throttle Ctrl 2 Moderate High	Warning	PC 3.x
40441	11	Fault Status Gas Bitmap 11	1753	Fuel Shutoff 2 OOR High	Warning	PC 3.x
40441	12	Fault Status Gas Bitmap 11	1754	Fuel Tmp 2 OOR High	Warning	PC 3.x
40441	13	Fault Status Gas Bitmap 11	1755	Fuel Tmp 2 OOR Low	Warning	PC 3.x
40441	14	Fault Status Gas Bitmap 11	1756	Gas Flow 2 OOR High	Warning	PC 3.x
40441	15	Fault Status Gas Bitmap 11	1757	Gas Flow 2 OOR Low	Warning	PC 3.x
40442	0	Fault Status Gas Bitmap 12	1758	Gas Flow 2 Incorrect Data	Warning	PC 3.x
40442	1	Fault Status Gas Bitmap 12	1759	FCV 2 Pos Feedback Incorrect	Shutdown w/Cooldown	PC 3.x
40442	2	Fault Status Gas Bitmap 12	1761	FCV_Actuator_Error_1761	Shutdown w/Cooldown	PC 3.x
40442	3	Fault Status Gas Bitmap 12	1984	Int Man 2 Tmp Moderate High	Warning	PC 3.x
40442	4	Fault Status Gas Bitmap 12	1765	FCV 2 In Pr OOR High	Warning	PC 3.x
40442	5	Fault Status Gas Bitmap 12	1766	FCV 2 In Pr OOR Low	Warning	PC 3.x
40442	6	Fault Status Gas Bitmap 12	1767	FCV 2 Out Pr OOR High	Warning	PC 3.x
40442	7	Fault Status Gas Bitmap 12	1768	FCV 2 Out Pr OOR Low	Warning	PC 3.x
40442	8	Fault Status Gas Bitmap 12	1769	E_Shutd Indication OORH	Warning	PC 3.x
40442	9	Fault Status Gas Bitmap 12	1771	E_Shutd Indication OORL	Warning	PC 3.x
40442	10	Fault Status Gas Bitmap 12	1772	Eng Derate Request OORH	Warning	PC 3.x

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Addr.	Bit#	Name	Fault Code	Event Name	Response	Control
40442	11	Fault Status Gas Bitmap 12	1773	Eng Derate Request OORL	Warning	PC 3.x
40442	12	Fault Status Gas Bitmap 12	1774	Oil Priming Pump OORH	Warning	PC 3.x
40442	13	Fault Status Gas Bitmap 12	1775	Oil Priming Pump OORL	Warning	PC 3.x
40442	14	Fault Status Gas Bitmap 12	3362	Power Conservation Control OORH	Warning	PC 3.x
40442	15	Fault Status Gas Bitmap 12	3363	Power Conservation Control OORL	Warning	PC 3.x
40443	0	Fault Status Gas Bitmap 13	1778	Engine_Heater_Control_Driver_High_Error	Warning	PC 3.x
40443	1	Fault Status Gas Bitmap 13	1779	Engine_Heater_Control_Driver_Low_Error	Warning	PC 3.x
40443	2	Fault Status Gas Bitmap 13	1781	Shutd Request OOR High	Warning	PC 3.x
40443	3	Fault Status Gas Bitmap 13	1782	Shutd Request OOR Low	Warning	PC 3.x
40443	4	Fault Status Gas Bitmap 13	1783	Coolant_Pump_Control_Driver_High_Error	Warning	PC 3.x
40443	5	Fault Status Gas Bitmap 13	1784	Coolant_Pump_Control_Driver_Low_Error	Warning	PC 3.x
40443	6	Fault Status Gas Bitmap 13	1785	Oil_Priming_Pump_Manual_Override_Input_On	Warning	PC 3.x
40443	7	Fault Status Gas Bitmap 13	1786	Oil_Priming_Pump_Stuck_On_Error	Warning	PC 3.x
40443	8	Fault Status Gas Bitmap 13	1787	Post_Lube_Oil_Priming_Error	Warning	PC 3.x
40443	9	Fault Status Gas Bitmap 13	1788	Maintenance_Lube_Oil_Priming_Error	Warning	PC 3.x
40443	10	Fault Status Gas Bitmap 13	1789	Pre_Start_Lube_Oil_Priming_Error	Shutdown w/Cooldown	PC 3.x
40443	11	Fault Status Gas Bitmap 13	1791	Failure_To_Meet_Load_Speed_Error	Shutdown w/Cooldown	PC 3.x
40443	12	Fault Status Gas Bitmap 13	1792	Idle when CB Closed	Warning	PC 3.x
40443	13	Fault Status Gas Bitmap 13	1793	Speed/Posit sensor out of Adj	Warning	PC 3.x
40443	14	Fault Status Gas Bitmap 13	1794	Fire Detected	Shutdown w/Cooldown	PC 3.x

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Addr.	Bit#	Name	Fault Code	Event Name	Response	Control
40443	15	Fault Status Gas Bitmap 13	1795	Compressor_Bypass_Position_High_Error	Warning	PC 3.x
40444	0	Fault Status Gas Bitmap 14	1796	Compressor_Bypass_Position_Low_Error	Warning	PC 3.x
40444	1	Fault Status Gas Bitmap 14	1797	Compressor Bypass ctrl OORH	Warning	PC 3.x
40444	2	Fault Status Gas Bitmap 14	1798	Compressor Bypass ctrl OORL	Warning	PC 3.x
40444	3	Fault Status Gas Bitmap 14	1799	CB_Position_Err_Status	Warning	PC 3.x
40444	4	Fault Status Gas Bitmap 14	1811	HIGH_SIDE_DRV2_High_Control_Error (VPS)	Warning	PC 3.x
40444	5	Fault Status Gas Bitmap 14	1812	HIGH_SIDE_DRV2_Low_Control_Error (VPS)	Warning	PC 3.x
40444	6	Fault Status Gas Bitmap 14	1813	Valve_Proving_System_Test_Failed_Warning_Error	Warning	PC 3.x
40444	7	Fault Status Gas Bitmap 14	1814	Valve_Proving_System_Test_Failed_Shutdown_Error	Shutdown w/Cooldown	PC 3.x
40444	8	Fault Status Gas Bitmap 14	1815	RLY14_High_Control_Error	Warning	PC 3.x
40444	9	Fault Status Gas Bitmap 14	1816	Oil Pre-Heater Ctrl OOR Low	Warning	PC 3.x
40444	10	Fault Status Gas Bitmap 14	1817	Oil_Pre-Heater_Tripped_Error	Warning	PC 3.x
40444	11	Fault Status Gas Bitmap 14	1818	Oil_Pre-Heater_Not_Warming_Error	Warning	PC 3.x
40444	12	Fault Status Gas Bitmap 14	1819	Common AC Aux CB tripped	Warning	PC 3.x
40444	13	Fault Status Gas Bitmap 14	1821	Min_FSO_Speed_Error	Shutdown w/Cooldown	PC 3.x
40444	14	Fault Status Gas Bitmap 14	1822	LT Coolant Level Low Shutdown Error	Shutdown w/Cooldown	PC 3.x
40444	15	Fault Status Gas Bitmap 14	1823	LT Coolant Level Low Warning Error	Warning	PC 3.x
40445	0	Fault Status Gas Bitmap 15	1824	Idle_Rated_Trans_Oil_Temp_Low_Error	Warning	PC 3.x
40445	1	Fault Status Gas Bitmap 15	1825	Dirty_Oil_Level_Error	Warning	PC 3.x
40445	2	Fault Status Gas Bitmap 15	1826	ECM Software incompatible	Shutdown w/Cooldown	PC 3.x

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Addr.	Bit#	Name	Fault Code	Event Name	Response	Control
40445	3	Fault Status Gas Bitmap 15	1827	Fuel_Inlet_Pressure_High_Error	Warning	PC 3.x
40445	4	Fault Status Gas Bitmap 15	1828	Fuel_Inlet_Pressure_Low_Error	Warning	PC 3.x
40445	5	Fault Status Gas Bitmap 15	1829	Vent_Gas_Valve_Error	Shutdown w/Cooldown	PC 3.x
40445	6	Fault Status Gas Bitmap 15	1831	Upstream_FSO_Valve_Error	Shutdown w/Cooldown	PC 3.x
40445	7	Fault Status Gas Bitmap 15	1832	Downstream_FSO_Valve_Error	Shutdown w/Cooldown	PC 3.x
40445	8	Fault Status Gas Bitmap 15	1833	Engine_Heater_Trip_Error	Warning	PC 3.x
40445	9	Fault Status Gas Bitmap 15	1834	Coolant_Pump_Trip_Error	Warning	PC 3.x
40445	10	Fault Status Gas Bitmap 15	1835	Oil_Priming_Pump_Tripped_Error	Warning	PC 3.x
40445	11	Fault Status Gas Bitmap 15	1836	LCP_(LT)_Low_Serious_Error	Shutdown w/Cooldown	PC 3.x
40445	12	Fault Status Gas Bitmap 15	1837	Permanent_FS_Cam_Sync_Lost_Error	Shutdown w/Cooldown	PC 3.x
40445	13	Fault Status Gas Bitmap 15	1838	Partial_Engine_Overload_Shutdown_Error	Shutdown w/Cooldown	PC 3.x
40445	14	Fault Status Gas Bitmap 15	1839	Fuel_Supply_Pressure_High_Error	Warning	PC 3.x
40445	15	Fault Status Gas Bitmap 15	1841	Fuel_Supply_Pressure_Low_Error	Warning	PC 3.x
40446	0	Fault Status Gas Bitmap 16	1842	Radiator_Fan_Trip_Error	Warning	PC 3.x
40446	1	Fault Status Gas Bitmap 16	1858	Exhaust Aft Inlet O2 OOR High	Warning	PC 3.x
40446	2	Fault Status Gas Bitmap 16	1859	Exhaust Aft Inlet O2 OOR Low	Warning	PC 3.x
40446	3	Fault Status Gas Bitmap 16	1861	Exhaust Aft Inlet O2 Incorrect	Warning	PC 3.x
40446	4	Fault Status Gas Bitmap 16	1862	Exhaust Aft Out O2 OOR High	Warning	PC 3.x
40446	5	Fault Status Gas Bitmap 16	1863	Exhaust Aft Outlet O2 OOR Low	Warning	PC 3.x
40446	6	Fault Status Gas Bitmap 16	1864	Exhaust Aft Outlet O2 Incorrect	Warning	PC 3.x

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Addr.	Bit#	Name	Fault Code	Event Name	Response	Control
40446	7	Fault Status Gas Bitmap 16	1985	Int Man 3 Tmp Moderate High	Warning	PC 3.x
40446	8	Fault Status Gas Bitmap 16	1986	Int Man 4 Tmp Moderate High	Warning	PC 3.x
40446	9	Fault Status Gas Bitmap 16	2111	Coolant_Inlet_Temperature_(LT)_High_Error	Warning	PC 3.x
40446	10	Fault Status Gas Bitmap 16	2112	Coolant_Inlet_Temperature_(LT)_Low_Error	Warning	PC 3.x
40446	11	Fault Status Gas Bitmap 16	2113	CIT_(LT)_High_Warning_Error	Warning	PC 3.x
40446	12	Fault Status Gas Bitmap 16	2114	CIT_(LT)_High_Serious_Error	Shutdown w/Cooldown	PC 3.x
40446	13	Fault Status Gas Bitmap 16	2115	LT_Coolant_Pressure_High_Error	Warning	PC 3.x
40446	14	Fault Status Gas Bitmap 16	2116	LT_Coolant_Pressure_Low_Error	Warning	PC 3.x
40446	15	Fault Status Gas Bitmap 16	2117	LCP_(LT)_Low_Warning_Error	Warning	PC 3.x
40447	0	Fault Status Gas Bitmap 17	2121	Exhaust_Temp_1_(A1)_High_Warning_Error	Warning	PC 3.x
40447	1	Fault Status Gas Bitmap 17	2122	Exhaust_Temp_3_(A2)_High_Warning_Error	Warning	PC 3.x
40447	2	Fault Status Gas Bitmap 17	2123	Exhaust_Temp_5_(A3)_High_Warning_Error	Warning	PC 3.x
40447	3	Fault Status Gas Bitmap 17	2124	Exhaust_Temp_7_(A4)_High_Warning_Error	Warning	PC 3.x
40447	4	Fault Status Gas Bitmap 17	2125	Exhaust_Temp_9_(A5)_High_Warning_Error	Warning	PC 3.x
40447	5	Fault Status Gas Bitmap 17	2126	Exhaust_Temp_11_(A6)_High_Warning_Error	Warning	PC 3.x
40447	6	Fault Status Gas Bitmap 17	2127	Exhaust_Temp_13_(A7)_High_Warning_Error	Warning	PC 3.x
40447	7	Fault Status Gas Bitmap 17	2128	Exhaust_Temp_15_(A8)_High_Warning_Error	Warning	PC 3.x
40447	8	Fault Status Gas Bitmap 17	2129	Exhaust_Temp_17_(A9)_High_Warning_Error	Warning	PC 3.x
40447	9	Fault Status Gas Bitmap 17	2131	Exhaust_Temp_2_(B1)_High_Warning_Error	Warning	PC 3.x
40447	10	Fault Status Gas Bitmap 17	2132	Exhaust_Temp_4_(B2)_High_Warning_Error	Warning	PC 3.x

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Addr.	Bit#	Name	Fault Code	Event Name	Response	Control
40447	11	Fault Status Gas Bitmap 17	2133	Exhaust_Temp_6_(B3)_High_Warning_Error	Warning	PC 3.x
40447	12	Fault Status Gas Bitmap 17	2134	Exhaust_Temp_8_(B4)_High_Warning_Error	Warning	PC 3.x
40447	13	Fault Status Gas Bitmap 17	2135	Exhaust_Temp_10_(B5)_High_Warning_Error	Warning	PC 3.x
40447	14	Fault Status Gas Bitmap 17	2136	Exhaust_Temp_12_(B6)_High_Warning_Error	Warning	PC 3.x
40447	15	Fault Status Gas Bitmap 17	2137	Exhaust_Temp_14_(B7)_High_Warning_Error	Warning	PC 3.x
40448	0	Fault Status Gas Bitmap 18	2138	Exhaust_Temp_16_(B8)_High_Warning_Error	Warning	PC 3.x
40448	1	Fault Status Gas Bitmap 18	2139	Exhaust_Temp_18_(B9)_High_Warning_Error	Warning	PC 3.x
40448	2	Fault Status Gas Bitmap 18	2141	Start_Air_Pressure_High_Error	Warning	PC 3.x
40448	3	Fault Status Gas Bitmap 18	2142	Start_Air_Pressure_Low_Error	Warning	PC 3.x
40448	4	Fault Status Gas Bitmap 18	2143	SAP_Overpressure_Error	Warning	PC 3.x
40448	5	Fault Status Gas Bitmap 18	2144	Exhaust Temp 16 (B8) High Serious Error	Shutdown w/Cooldown	PC 3.x
40448	6	Fault Status Gas Bitmap 18	2145	Exhaust Temp 18 (B9) High Serious Error	Shutdown w/Cooldown	PC 3.x
40448	7	Fault Status Gas Bitmap 18	2146	EGT 17 (A9) OOR Low	Warning	PC 3.x
40448	8	Fault Status Gas Bitmap 18	2147	EGT 18 (B9) OOR Low	Warning	PC 3.x
40448	9	Fault Status Gas Bitmap 18	2154	Oil_Filter_Outlet_Pressure_High_Error	Warning	PC 3.x
40448	10	Fault Status Gas Bitmap 18	2155	Oil_Filter_Outlet_Pressure_Low_Error	Warning	PC 3.x
40448	11	Fault Status Gas Bitmap 18	2157	Int Man 2 Tmp Abnormal Rate	Shutdown w/Cooldown	PC 3.x
40448	12	Fault Status Gas Bitmap 18	2158	Int Man 3 Tmp Abnormal Rate	Shutdown w/Cooldown	PC 3.x
40448	13	Fault Status Gas Bitmap 18	2159	Int Man 4 Tmp Abnormal Rate	Shutdown w/Cooldown	PC 3.x
40448	14	Fault Status Gas Bitmap 18	2188	Exhaust O2 OOR High	Warning	PC 3.x

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Addr.	Bit#	Name	Fault Code	Event Name	Response	Control
40448	15	Fault Status Gas Bitmap 18	2191	ST_Throttle_Press_Err_Status	Warning	PC 3.x
40449	0	Fault Status Gas Bitmap 19	2192	Exhaust O2 OOR Low	Warning	PC 3.x
40449	1	Fault Status Gas Bitmap 19	2217	RAM_Image_Word_Error	Warning	PC 3.x
40449	2	Fault Status Gas Bitmap 19	2219	Exhaust O2 Moderate High	Warning	PC 3.x
40449	3	Fault Status Gas Bitmap 19	2221	Exhaust O2 Moderate Low	Warning	PC 3.x
40449	4	Fault Status Gas Bitmap 19	2281	Knock 11 (A6) Moderate High	Shutdown w/Cooldown	PC 3.x
40449	5	Fault Status Gas Bitmap 19	2282	Knock 11 (A6) Critical High	Shutdown w/Cooldown	PC 3.x
40449	6	Fault Status Gas Bitmap 19	2298	Fuel Shutoff 2 OOR Low	Warning	PC 3.x
40449	7	Fault Status Gas Bitmap 19	2315	Red Lamp OOR High	Warning	PC 3.x
40449	8	Fault Status Gas Bitmap 19	2316	Amber Lamp OOR High	Warning	PC 3.x
40449	9	Fault Status Gas Bitmap 19	2317	Amber Lamp OOR Low	Warning	PC 3.x
40449	10	Fault Status Gas Bitmap 19	2427	Fuel_Outlet_Pressure_High_Error	Warning	PC 3.x
40449	11	Fault Status Gas Bitmap 19	2428	Fuel_Outlet_Pressure_Low_Error	Warning	PC 3.x
40449	12	Fault Status Gas Bitmap 19	2453	Total Real Power Circuit OORH	Warning	PC 3.x
40449	13	Fault Status Gas Bitmap 19	2454	Total Real Power Circuit OORL	Warning	PC 3.x
40449	14	Fault Status Gas Bitmap 19	2455	Speed_Bias_Low_Error	Warning	PC 3.x
40449	15	Fault Status Gas Bitmap 19	2456	Speed_Bias_High_Error	Warning	PC 3.x
40450	0	Fault Status Gas Bitmap 20	2457	Max_Total_Misfire_Error	Shutdown w/Cooldown	PC 3.x
40450	1	Fault Status Gas Bitmap 20	2458	Cylinder_2_(B1)_Total_Misfire_Error	Warning	PC 3.x
40450	2	Fault Status Gas Bitmap 20	2459	Cylinder_4_(B2)_Total_Misfire_Error	Warning	PC 3.x

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Addr.	Bit#	Name	Fault Code	Event Name	Response	Control
40450	3	Fault Status Gas Bitmap 20	2461	Cylinder_6_(B3)_Total_Misfire_Error	Warning	PC 3.x
40450	4	Fault Status Gas Bitmap 20	2462	Cylinder_8_(B4)_Total_Misfire_Error	Warning	PC 3.x
40450	5	Fault Status Gas Bitmap 20	2463	Cylinder_10_(B5)_Total_Misfire_Error	Warning	PC 3.x
40450	6	Fault Status Gas Bitmap 20	2464	Cylinder_12_(B6)_Total_Misfire_Error	Warning	PC 3.x
40450	7	Fault Status Gas Bitmap 20	2465	Cylinder_14_(B7)_Total_Misfire_Error	Warning	PC 3.x
40450	8	Fault Status Gas Bitmap 20	2466	Cylinder_16_(B8)_Total_Misfire_Error	Warning	PC 3.x
40450	9	Fault Status Gas Bitmap 20	2467	Cylinder_18_(B9)_Total_Misfire_Error	Warning	PC 3.x
40450	10	Fault Status Gas Bitmap 20	2469	Cylinder_1_(A1)_Total_Misfire_Error	Warning	PC 3.x
40450	11	Fault Status Gas Bitmap 20	2471	Cylinder_3_(A2)_Total_Misfire_Error	Warning	PC 3.x
40450	12	Fault Status Gas Bitmap 20	2472	Cylinder_5_(A3)_Total_Misfire_Error	Warning	PC 3.x
40450	13	Fault Status Gas Bitmap 20	2473	Cylinder_7_(A4)_Total_Misfire_Error	Warning	PC 3.x
40450	14	Fault Status Gas Bitmap 20	2475	Cylinder_9_(A5)_Total_Misfire_Error	Warning	PC 3.x
40450	15	Fault Status Gas Bitmap 20	2476	Cylinder_11_(A6)_Total_Misfire_Error	Warning	PC 3.x
40451	0	Fault Status Gas Bitmap 21	2477	Cylinder_13_(A7)_Total_Misfire_Error	Warning	PC 3.x
40451	1	Fault Status Gas Bitmap 21	2478	Cylinder_15_(A8)_Total_Misfire_Error	Warning	PC 3.x
40451	2	Fault Status Gas Bitmap 21	2479	Cylinder_17_(A9)_Total_Misfire_Error	Warning	PC 3.x
40451	3	Fault Status Gas Bitmap 21	2482	Start_Before_Ready_Error	Shutdown w/Cooldown	PC 3.x
40451	4	Fault Status Gas Bitmap 21	2483	Continuous_Starter_Failure_Error	Shutdown w/Cooldown	PC 3.x
40451	5	Fault Status Gas Bitmap 21	2484	Exhaust Temperature 1 (A1) Abnormal Rate	Shutdown w/Cooldown	PC 3.x
40451	6	Fault Status Gas Bitmap 21	2485	Exhaust Temperature 3 (A2) Abnormal Rate	Shutdown w/Cooldown	PC 3.x

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Addr.	Bit#	Name	Fault Code	Event Name	Response	Control
40451	7	Fault Status Gas Bitmap 21	2486	Exhaust Temperature 5 (A3) Abnormal Rate	Shutdown w/Cooldown	PC 3.x
40451	8	Fault Status Gas Bitmap 21	2487	Exhaust Temperature 7 (A4) Abnormal Rate	Shutdown w/Cooldown	PC 3.x
40451	9	Fault Status Gas Bitmap 21	2488	Exhaust Temperature 9 (A5) Abnormal Rate	Shutdown w/Cooldown	PC 3.x
40451	10	Fault Status Gas Bitmap 21	2489	Exhaust Temperature 11 (A6) Abnormal Rate	Shutdown w/Cooldown	PC 3.x
40451	11	Fault Status Gas Bitmap 21	2491	Exhaust Temperature 13 (A7) Abnormal Rate	Shutdown w/Cooldown	PC 3.x
40451	12	Fault Status Gas Bitmap 21	2492	Exhaust Temperature 15 (A8) Abnormal Rate	Shutdown w/Cooldown	PC 3.x
40451	13	Fault Status Gas Bitmap 21	2493	Exhaust Temperature 17 (A9) Abnormal Rate	Shutdown w/Cooldown	PC 3.x
40451	14	Fault Status Gas Bitmap 21	2494	Exhaust Temperature 2 (B1) Abnormal Rate	Shutdown w/Cooldown	PC 3.x
40451	15	Fault Status Gas Bitmap 21	2495	Exhaust Temperature 4 (B2) Abnormal Rate	Shutdown w/Cooldown	PC 3.x
40452	0	Fault Status Gas Bitmap 22	2496	Exhaust Temperature 6 (B3) Abnormal Rate	Shutdown w/Cooldown	PC 3.x
40452	1	Fault Status Gas Bitmap 22	2497	Exhaust Temperature 8 (B4) Abnormal Rate	Shutdown w/Cooldown	PC 3.x
40452	2	Fault Status Gas Bitmap 22	2498	Exhaust Temperature 10 (B5) Abnormal Rate	Shutdown w/Cooldown	PC 3.x
40452	3	Fault Status Gas Bitmap 22	2499	Exhaust Temperature 12 (B6) Abnormal Rate	Shutdown w/Cooldown	PC 3.x
40452	4	Fault Status Gas Bitmap 22	2511	Exhaust Temperature 14 (B7) Abnormal Rate	Shutdown w/Cooldown	PC 3.x
40452	5	Fault Status Gas Bitmap 22	2512	Exhaust Temperature 16 (B8) Abnormal Rate	Shutdown w/Cooldown	PC 3.x
40452	6	Fault Status Gas Bitmap 22	2513	Exhaust Temperature 18 (B9) Abnormal Rate	Shutdown w/Cooldown	PC 3.x
40452	7	Fault Status Gas Bitmap 22	2517	Compressor_Outlet_Pressure_High_ Error	Warning	PC 3.x
40452	8	Fault Status Gas Bitmap 22	2518	Compressor_Outlet_Pressure_Low_ Error	Warning	PC 3.x
40452	9	Fault Status Gas Bitmap 22	2521	Bank_Id_Error	Shutdown w/Cooldown	PC 3.x
40452	10	Fault Status Gas Bitmap 22	2522	Continuous_Light_Knock_Error_1_(A 1)	Shutdown w/Cooldown	PC 3.x

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Addr.	Bit#	Name	Fault Code	Event Name	Response	Control
40452	11	Fault Status Gas Bitmap 22	2523	Continuous_Light_Knock_Error_2_(B 1)	Shutdown w/Cooldown	PC 3.x
40452	12	Fault Status Gas Bitmap 22	2524	Continuous_Light_Knock_Error_3_(A 2)	Shutdown w/Cooldown	PC 3.x
40452	13	Fault Status Gas Bitmap 22	2525	Continuous_Light_Knock_Error_4_(B 2)	Shutdown w/Cooldown	PC 3.x
40452	14	Fault Status Gas Bitmap 22	2526	Continuous_Light_Knock_Error_5_(A 3)	Shutdown w/Cooldown	PC 3.x
40452	15	Fault Status Gas Bitmap 22	2527	Continuous_Light_Knock_Error_6_(B 3)	Shutdown w/Cooldown	PC 3.x
40453	0	Fault Status Gas Bitmap 23	2528	Continuous_Light_Knock_Error_7_(A 4)	Shutdown w/Cooldown	PC 3.x
40453	1	Fault Status Gas Bitmap 23	2529	Continuous_Light_Knock_Error_8_(B 4)	Shutdown w/Cooldown	PC 3.x
40453	2	Fault Status Gas Bitmap 23	2531	Continuous_Light_Knock_Error_9_(A 5)	Shutdown w/Cooldown	PC 3.x
40453	3	Fault Status Gas Bitmap 23	2532	Continuous_Light_Knock_Error_10_(B5)	Shutdown w/Cooldown	PC 3.x
40453	4	Fault Status Gas Bitmap 23	2544	ECM_Overtemp_Error	Shutdown w/Cooldown	PC 3.x
40453	5	Fault Status Gas Bitmap 23	2567	DG_Air_Compressor_Trip_Error	Warning	PC 3.x
40453	6	Fault Status Gas Bitmap 23	2643	Throttle Pos 2 Feedback OOR High	Warning	PC 3.x
40453	7	Fault Status Gas Bitmap 23	2644	Throttle Pos 2 Feedback OOR Low	Warning	PC 3.x
40453	9	Fault Status Gas Bitmap 23	2724	Gas Supply Pr Moderate High	Warning	PC 3.x
40453	10	Fault Status Gas Bitmap 23	2725	Gas Supply Pr Moderate Low	Warning	PC 3.x
40453	11	Fault Status Gas Bitmap 23	2737	Exh Gas Tmp Critical High	Shutdown w/Cooldown	PC 3.x
40453	12	Fault Status Gas Bitmap 23	2766	Bank_A_CCD_Failed_Error	Shutdown w/Cooldown	PC 3.x
40453	13	Fault Status Gas Bitmap 23	2767	Bank_B_CCD_Failed_Error	Shutdown w/Cooldown	PC 3.x
40453	14	Fault Status Gas Bitmap 23	2768	CAN Parent Communication Incorrect	Shutdown w/Cooldown	PC 3.x
40453	15	Fault Status Gas Bitmap 23	2769	CAN Child Com Incorrect	Shutdown w/Cooldown	PC 3.x

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Addr.	Bit#	Name	Fault Code	Event Name	Response	Control
40454	0	Fault Status Gas Bitmap 24	2789	COT_Low_Error	Warning	PC 3.x
40454	1	Fault Status Gas Bitmap 24	2793	COT_Low_Serious_Error	Shutdown w/Cooldown	PC 3.x
40454	2	Fault Status Gas Bitmap 24	2794	Ign Shutd Relay OOR High	Warning	PC 3.x
40454	3	Fault Status Gas Bitmap 24	2795	Ign Shutd Relay OOR Low	Warning	PC 3.x
40454	4	Fault Status Gas Bitmap 24	2796	Partial_Engine_Overload_Warning_Error	Warning	PC 3.x
40454	5	Fault Status Gas Bitmap 24	2797	Inlet Gas Diff Pressure OOR High	Warning	PC 3.x
40454	6	Fault Status Gas Bitmap 24	2798	Inlet Gas Diff Pressure OOR Low	Warning	PC 3.x
40454	7	Fault Status Gas Bitmap 24	2799	IMOP_Compressor_Outlet_Presure_Delta_Error	Shutdown w/Cooldown	PC 3.x
40454	8	Fault Status Gas Bitmap 24	2811	IMOP_Compressor_Outlet_Pressure_Maximum_Error	Shutdown w/Cooldown	PC 3.x
40454	9	Fault Status Gas Bitmap 24	2837	Exhaust_Temp_1_(A1)_Deviation_Error	Warning	PC 3.x
40454	10	Fault Status Gas Bitmap 24	2838	Exhaust_Temp_3_(A2)_Deviation_Error	Warning	PC 3.x
40454	11	Fault Status Gas Bitmap 24	2839	Exhaust_Temp_5_(A3)_Deviation_Error	Warning	PC 3.x
40454	12	Fault Status Gas Bitmap 24	2841	Exhaust_Temp_7_(A4)_Deviation_Error	Warning	PC 3.x
40454	13	Fault Status Gas Bitmap 24	2842	Exhaust_Temp_9_(A5)_Deviation_Error	Warning	PC 3.x
40454	14	Fault Status Gas Bitmap 24	2843	Exhaust_Temp_11_(A6)_Deviation_Error	Warning	PC 3.x
40454	15	Fault Status Gas Bitmap 24	2844	Exhaust_Temp_13_(A7)_Deviation_Error	Warning	PC 3.x
40455	0	Fault Status Gas Bitmap 25	2845	Exhaust_Temp_15_(A8)_Deviation_Error	Warning	PC 3.x
40455	1	Fault Status Gas Bitmap 25	2846	Exhaust_Temp_17_(A9)_Deviation_Error	Warning	PC 3.x
40455	2	Fault Status Gas Bitmap 25	2847	Exhaust_Temp_2_(B1)_Deviation_Error	Warning	PC 3.x
40455	3	Fault Status Gas Bitmap 25	2848	Exhaust_Temp_4_(B2)_Deviation_Error	Warning	PC 3.x

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Addr.	Bit#	Name	Fault Code	Event Name	Response	Control
40455	4	Fault Status Gas Bitmap 25	2849	Exhaust_Temp_6_(B3)_Deviation_Error	Warning	PC 3.x
40455	5	Fault Status Gas Bitmap 25	2851	Exhaust_Temp_8_(B4)_Deviation_Error	Warning	PC 3.x
40455	6	Fault Status Gas Bitmap 25	2852	Exhaust_Temp_10_(B5)_Deviation_Error	Warning	PC 3.x
40455	7	Fault Status Gas Bitmap 25	2853	Exhaust_Temp_12_(B6)_Deviation_Error	Warning	PC 3.x

Addr.	Bit#	Name	Fault Code	Event Name	Response	Control
40455	8	Fault Status Gas Bitmap 25	2854	Exhaust_Temp_14_(B7)_Deviation_Error	Warning	PC 3.x
40455	9	Fault Status Gas Bitmap 25	2855	Exhaust_Temp_16_(B8)_Deviation_Error	Warning	PC 3.x
40455	10	Fault Status Gas Bitmap 25	2856	Exhaust_Temp_18_(B9)_Deviation_Error	Warning	PC 3.x
40455	11	Fault Status Gas Bitmap 25	2857	Turbo_1_Overspeed_Critical_Error	Shutdown w/Cooldown	PC 3.x
40455	12	Fault Status Gas Bitmap 25	2858	Turbo_2_Overspeed_Critical_Error	Shutdown w/Cooldown	PC 3.x
40455	13	Fault Status Gas Bitmap 25	2859	Alt Heater Ctrl OOR High	Warning	PC 3.x
40455	14	Fault Status Gas Bitmap 25	2861	Alt Heater Ctrl OOR Low	Warning	PC 3.x
40455	15	Fault Status Gas Bitmap 25	2862	Gen Alternator 1st Start Cond Exists	Warning	PC 3.x
40456	0	Fault Status Gas Bitmap 26	2863	Genset to Engine Com Incorrect	Shutdown w/Cooldown	PC 3.x
40456	1	Fault Status Gas Bitmap 26	2864	FSO_NON_High_Control_Error	Shutdown w/Cooldown	PC 3.x
40456	2	Fault Status Gas Bitmap 26	3364	Power Conservation Control Cond Exists	Warning	PC 3.x
40456	3	Fault Status Gas Bitmap 26	2866	FCV_Position_High_Error	Warning	PC 3.x
40456	4	Fault Status Gas Bitmap 26	2867	FCV_Position_Low_Error	Warning	PC 3.x
40456	5	Fault Status Gas Bitmap 26	2868	Engine_Heater_Over-Temperature_Alarm_Error	Warning	PC 3.x
40456	6	Fault Status Gas Bitmap 26	2869	HT Cool Temp Driver OOR High	Warning	PC 3.x

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Addr.	Bit#	Name	Fault Code	Event Name	Response	Control
40456	7	Fault Status Gas Bitmap 26	2871	HT Cool Temp Driver OOR Low	Warning	PC 3.x
40456	8	Fault Status Gas Bitmap 26	2872	HT Cool Temp Driver Cond Exists	Warning	PC 3.x
40456	9	Fault Status Gas Bitmap 26	2873	LT Cool Temp Driver OOR High	Warning	PC 3.x
40456	10	Fault Status Gas Bitmap 26	2874	LT Cool Temp Driver OOR Low	Warning	PC 3.x
40456	11	Fault Status Gas Bitmap 26	2875	LT Cool Temp Driver Cond Exists	Warning	PC 3.x
40456	12	Fault Status Gas Bitmap 26	2876	Comp_Surge_Shutdown_Error	Shutdown w/Cooldown	PC 3.x
40456	13	Fault Status Gas Bitmap 26	2877	Comp_Surge_Derate_Error	Warning	PC 3.x
40456	14	Fault Status Gas Bitmap 26	2994	MC68302_Error	Warning	PC 3.x
40456	15	Fault Status Gas Bitmap 26	2995	Int Man Pressure 1 Critical High	Shutdown w/Cooldown	PC 3.x
40457	0	Fault Status Gas Bitmap 27	2996	Int Man Pressure 1 Moderate High	Warning	PC 3.x
40457	1	Fault Status Gas Bitmap 27	2997	Exhaust O2 Critical Low	Shutdown w/Cooldown	PC 3.x
40457	2	Fault Status Gas Bitmap 27	3111	Excessive_Mech_Vibration_1_(A1)	Shutdown w/Cooldown	PC 3.x
40457	3	Fault Status Gas Bitmap 27	3112	Excessive_Mech_Vibration_2_(B1)	Shutdown w/Cooldown	PC 3.x
40457	4	Fault Status Gas Bitmap 27	3113	Excessive_Mech_Vibration_3_(A2)	Shutdown w/Cooldown	PC 3.x
40457	5	Fault Status Gas Bitmap 27	3114	Excessive_Mech_Vibration_4_(B2)	Shutdown w/Cooldown	PC 3.x
40457	6	Fault Status Gas Bitmap 27	3115	Excessive_Mech_Vibration_5_(A3)	Shutdown w/Cooldown	PC 3.x
40457	7	Fault Status Gas Bitmap 27	3116	Excessive_Mech_Vibration_6_(B3)	Shutdown w/Cooldown	PC 3.x
40457	8	Fault Status Gas Bitmap 27	3117	Excessive_Mech_Vibration_7_(A4)	Shutdown w/Cooldown	PC 3.x
40457	9	Fault Status Gas Bitmap 27	3118	Excessive_Mech_Vibration_8_(B4)	Shutdown w/Cooldown	PC 3.x
40457	10	Fault Status Gas Bitmap 27	3119	Excessive_Mech_Vibration_9_(A5)	Shutdown w/Cooldown	PC 3.x

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Addr.	Bit#	Name	Fault Code	Event Name	Response	Control
40457	11	Fault Status Gas Bitmap 27	3121	Excessive_Mech_Vibration_10_(B5)	Shutdown w/Cooldown	PC 3.x
40457	12	Fault Status Gas Bitmap 27	3122	Excessive_Mech_Vibration_11_(A6)	Shutdown w/Cooldown	PC 3.x
40457	13	Fault Status Gas Bitmap 27	3123	Excessive_Mech_Vibration_12_(B6)	Shutdown w/Cooldown	PC 3.x
40457	14	Fault Status Gas Bitmap 27	3124	Excessive_Mech_Vibration_13_(A7)	Shutdown w/Cooldown	PC 3.x
40457	15	Fault Status Gas Bitmap 27	3125	Excessive_Mech_Vibration_14_(B7)	Shutdown w/Cooldown	PC 3.x
40458	0	Fault Status Gas Bitmap 28	3126	Excessive_Mech_Vibration_15_(A8)	Shutdown w/Cooldown	PC 3.x
40458	1	Fault Status Gas Bitmap 28	3127	Excessive_Mech_Vibration_16_(B8)	Shutdown w/Cooldown	PC 3.x
40458	2	Fault Status Gas Bitmap 28	3128	Excessive_Mech_Vibration_17_(A9)	Shutdown w/Cooldown	PC 3.x
40458	3	Fault Status Gas Bitmap 28	3129	Excessive_Mech_Vibration_18_(B9)	Shutdown w/Cooldown	PC 3.x
40458	4	Fault Status Gas Bitmap 28	1275	Knock Cyl 10 (B5) OORL	Warning	PC 3.x
40458	5	Fault Status Gas Bitmap 28	1277	Knock Cyl 11 (A6) OORL	Warning	PC 3.x
40458	6	Fault Status Gas Bitmap 28	1282	Knock Cyl 12 (B6) OORL	Warning	PC 3.x
40458	7	Fault Status Gas Bitmap 28	1287	Knock Cyl 13 (A7) OORL	Warning	PC 3.x
40458	8	Fault Status Gas Bitmap 28	1292	Knock Cyl 14 (B7) OORL	Warning	PC 3.x
40458	9	Fault Status Gas Bitmap 28	1297	Knock Cyl 15 (A8) OORL	Warning	PC 3.x
40458	10	Fault Status Gas Bitmap 28	1584	Knock Cyl 16 (B8) OORL	Warning	PC 3.x
40458	11	Fault Status Gas Bitmap 28	1589	Knock Cyl 17 (A9) OORL	Warning	PC 3.x
40458	12	Fault Status Gas Bitmap 28	1338	Knock Cyl 18 (B9) OORL	Warning	PC 3.x
40459	0	Fault Status Gas Bitmap 29	189	HT Coolant Temperature Root Cause Unknown	Shutdown w/Cooldown	PC 3.x
40459	1	Fault Status Gas Bitmap 29	229	HT Coolant Pressure Incorrect	Warning	PC 3.x

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Addr.	Bit#	Name	Fault Code	Event Name	Response	Control
40459	2	Fault Status Gas Bitmap 29	334	HT Coolant Temperature Incorrect	Warning	PC 3.x
40459	4	Fault Status Gas Bitmap 29	831	Spark Plug 1 (A1) OORL	Warning	PC 3.x
40459	5	Fault Status Gas Bitmap 29	832	Spark Plug 2 (B1) OORL	Warning	PC 3.x
40459	6	Fault Status Gas Bitmap 29	833	Spark Plug 3 (A2) OORL	Warning	PC 3.x
40459	7	Fault Status Gas Bitmap 29	834	Spark Plug 4 (B2) OORL	Warning	PC 3.x
40459	8	Fault Status Gas Bitmap 29	835	Spark Plug 5 (A3) OORL	Warning	PC 3.x
40459	9	Fault Status Gas Bitmap 29	836	Spark Plug 6 (B3) OORL	Warning	PC 3.x
40459	10	Fault Status Gas Bitmap 29	837	Spark Plug 7 (A4) OORL	Warning	PC 3.x
40459	11	Fault Status Gas Bitmap 29	838	Spark Plug 8 (B4) OORL	Warning	PC 3.x
40459	12	Fault Status Gas Bitmap 29	839	Spark Plug 9 (A5) OORL	Warning	PC 3.x
40459	13	Fault Status Gas Bitmap 29	841	Spark Plug 10 (B5) OORL	Warning	PC 3.x
40459	14	Fault Status Gas Bitmap 29	842	Spark Plug 11 (A6) OORL	Warning	PC 3.x
40459	15	Fault Status Gas Bitmap 29	843	Spark Plug 12 (B6) OORL	Warning	PC 3.x
40460	0	Fault Status Gas Bitmap 30	844	Spark Plug 13 (A7) OORL	Warning	PC 3.x
40460	1	Fault Status Gas Bitmap 30	845	Spark Plug 14 (B7) OORL	Warning	PC 3.x
40460	2	Fault Status Gas Bitmap 30	846	Spark Plug 15 (A8) OORL	Warning	PC 3.x
40460	3	Fault Status Gas Bitmap 30	847	Spark Plug 16 (B8) OORL	Warning	PC 3.x
40460	4	Fault Status Gas Bitmap 30	848	Spark Plug 17 (A9) OORL	Warning	PC 3.x
40460	5	Fault Status Gas Bitmap 30	849	Spark Plug 18 (B9) OORL	Warning	PC 3.x
40460	7	Fault Status Gas Bitmap 30	891	Spark Plug 1 (A1) Root Cause Unknown	Warning	PC 3.x

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Addr.	Bit#	Name	Fault Code	Event Name	Response	Control
40460	8	Fault Status Gas Bitmap 30	892	Spark Plug 2 (B1) Root Cause Unknown	Warning	PC 3.x
40460	9	Fault Status Gas Bitmap 30	893	Spark Plug 3 (A2) Root Cause Unknown	Warning	PC 3.x
40460	10	Fault Status Gas Bitmap 30	894	Spark Plug 4 (B2) Root Cause Unknown	Warning	PC 3.x
40460	11	Fault Status Gas Bitmap 30	895	Spark Plug 5 (A3) Root Cause Unknown	Warning	PC 3.x
40460	12	Fault Status Gas Bitmap 30	896	Spark Plug 6 (B3) Root Cause Unknown	Warning	PC 3.x
40460	13	Fault Status Gas Bitmap 30	897	Spark Plug 7 (A4) Root Cause Unknown	Warning	PC 3.x
40460	14	Fault Status Gas Bitmap 30	898	Spark Plug 8 (B4) Root Cause Unknown	Warning	PC 3.x
40460	15	Fault Status Gas Bitmap 30	899	Spark Plug 9 (A5) Root Cause Unknown	Warning	PC 3.x
40461	0	Fault Status Gas Bitmap 31	911	Spark Plug 10 (B5) Root Cause Unknown	Warning	PC 3.x
40461	1	Fault Status Gas Bitmap 31	912	Spark Plug 11 (A6) Root Cause Unknown	Warning	PC 3.x
40461	2	Fault Status Gas Bitmap 31	913	Spark Plug 12 (B6) Root Cause Unknown	Warning	PC 3.x
40461	3	Fault Status Gas Bitmap 31	914	Spark Plug 13 (A7) Root Cause Unknown	Warning	PC 3.x
40461	4	Fault Status Gas Bitmap 31	915	Spark Plug 14 (B7) Root Cause Unknown	Warning	PC 3.x
40461	5	Fault Status Gas Bitmap 31	916	Spark Plug 15 (A8) Root Cause Unknown	Warning	PC 3.x
40461	6	Fault Status Gas Bitmap 31	917	Spark Plug 16 (B8) Root Cause Unknown	Warning	PC 3.x
40461	7	Fault Status Gas Bitmap 31	918	Spark Plug 17 (A9) Root Cause Unknown	Warning	PC 3.x
40461	8	Fault Status Gas Bitmap 31	919	Spark Plug 18 (B9) Root Cause Unknown	Warning	PC 3.x
40461	10	Fault Status Gas Bitmap 31	1276	Knock Cyl 10 (B5) OORH	Warning	PC 3.x
40461	11	Fault Status Gas Bitmap 31	1278	Knock Cyl 11 (A6) OORH	Warning	PC 3.x
40461	12	Fault Status Gas Bitmap 31	1279	Knock 12 (B6) High Warning	Warning	PC 3.x

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Addr.	Bit#	Name	Fault Code	Event Name	Response	Control
40461	13	Fault Status Gas Bitmap 31	1283	Knock Cyl 12 (B6) OORH	Warning	PC 3.x
40461	14	Fault Status Gas Bitmap 31	1284	Knock 13 (A7) High Warning	Warning	PC 3.x
40461	15	Fault Status Gas Bitmap 31	1288	Knock Cyl 13 (A7) OORH	Warning	PC 3.x
40462	0	Fault Status Gas Bitmap 32	1289	Knock 14 (B7) High Warning	Warning	PC 3.x
40462	1	Fault Status Gas Bitmap 32	1293	Knock Cyl 14 (B7) OORH	Warning	PC 3.x
40462	2	Fault Status Gas Bitmap 32	1294	Knock 15 (A8) High Warning	Warning	PC 3.x
40462	3	Fault Status Gas Bitmap 32	1298	Knock Cyl 15 (A8) OORH	Warning	PC 3.x
40462	4	Fault Status Gas Bitmap 32	1299	Knock 16 (B8) High Warning	Warning	PC 3.x
40462	6	Fault Status Gas Bitmap 32	1339	Knock Cyl 18 (B9) OORH	Warning	PC 3.x
40462	7	Fault Status Gas Bitmap 32	1352	Knock 20 (B10) High Warning	Warning	PC 3.x
40462	8	Fault Status Gas Bitmap 32	1353	Continuous_Light_Knock_Error_20_(B10)	Shutdown w/Cooldown	PC 3.x
40462	9	Fault Status Gas Bitmap 32	1354	Heavy_Knock_Error_20_(B10)	Shutdown w/Cooldown	PC 3.x
40462	10	Fault Status Gas Bitmap 32	1355	Knock Cyl 20 (B10) OORL	Warning	PC 3.x
40462	11	Fault Status Gas Bitmap 32	1356	Knock Cyl 20 (B10) OORH	Warning	PC 3.x
40462	12	Fault Status Gas Bitmap 32	1572	Continuous_Light_Knock_Error_19_(A10)	Shutdown w/Cooldown	PC 3.x
40462	13	Fault Status Gas Bitmap 32	1574	Heavy_Knock_Error_19_(A10)	Shutdown w/Cooldown	PC 3.x
40462	14	Fault Status Gas Bitmap 32	1575	Knock Cyl 19 (A10) OORL	Warning	PC 3.x
40462	15	Fault Status Gas Bitmap 32	1576	Knock Cyl 19 (A10) OORH	Warning	PC 3.x
40463	0	Fault Status Gas Bitmap 33	1585	Knock Cyl 16 (B8) OORH	Warning	PC 3.x
40463	1	Fault Status Gas Bitmap 33	1586	Knock 17 (A9) High Warning	Warning	PC 3.x

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Addr.	Bit#	Name	Fault Code	Event Name	Response	Control
40463	2	Fault Status Gas Bitmap 33	1591	Knock Cyl 17 (A9) OORH	Warning	PC 3.x
40463	3	Fault Status Gas Bitmap 33	1592	Knock 18 (B9) High Warning	Warning	PC 3.x
40463	4	Fault Status Gas Bitmap 33	1594	Knock 19 (A10) High Warning	Warning	PC 3.x
40463	6	Fault Status Gas Bitmap 33	2193	HT Coolant Level Moderate High	Warning	PC 3.x
40463	7	Fault Status Gas Bitmap 33	2231	Knock Cyl 1 (A1) OORH	Warning	PC 3.x
40463	8	Fault Status Gas Bitmap 33	2232	Knock Cyl 2 (B1) OORH	Warning	PC 3.x
40463	9	Fault Status Gas Bitmap 33	2233	Knock Cyl 3 (A2) OORH	Warning	PC 3.x
40463	10	Fault Status Gas Bitmap 33	2234	Knock Cyl 4 (B2) OORH	Warning	PC 3.x
40463	11	Fault Status Gas Bitmap 33	2235	Knock Cyl 5 (A3) OORH	Warning	PC 3.x
40463	12	Fault Status Gas Bitmap 33	2236	Knock Cyl 6 (B3) OORH	Warning	PC 3.x
40463	13	Fault Status Gas Bitmap 33	2237	Knock Cyl 7 (A4) OORH	Warning	PC 3.x
40463	14	Fault Status Gas Bitmap 33	2238	Knock Cyl 8 (B4) OORH	Warning	PC 3.x
40463	15	Fault Status Gas Bitmap 33	2239	Knock Cyl 9 (A5) OORH	Warning	PC 3.x
40464	0	Fault Status Gas Bitmap 34	2279	Knock 11 (A6) High Warning	Warning	PC 3.x
40464	1	Fault Status Gas Bitmap 34	2431	Knock 1 (A1) High Warning	Warning	PC 3.x
40464	2	Fault Status Gas Bitmap 34	2432	Knock 2 (B1) High Warning	Warning	PC 3.x
40464	3	Fault Status Gas Bitmap 34	2433	Knock 3 (A2) High Warning	Warning	PC 3.x
40464	4	Fault Status Gas Bitmap 34	2434	Knock 4 (B2) High Warning	Warning	PC 3.x
40464	5	Fault Status Gas Bitmap 34	2435	Knock 5 (A3) High Warning	Warning	PC 3.x
40464	6	Fault Status Gas Bitmap 34	2436	Knock 6 (B3) High Warning	Warning	PC 3.x

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Addr.	Bit#	Name	Fault Code	Event Name	Response	Control
40464	7	Fault Status Gas Bitmap 34	2437	Knock 7 (A4) High Warning	Warning	PC 3.x
40464	8	Fault Status Gas Bitmap 34	2438	Knock 8 (B4) High Warning	Warning	PC 3.x
40464	9	Fault Status Gas Bitmap 34	2439	Knock 9 (A5) High Warning	Warning	PC 3.x
40464	10	Fault Status Gas Bitmap 34	2441	Knock 10 (B5) High Warning	Warning	PC 3.x
40464	11	Fault Status Gas Bitmap 34	2514	Exhaust Temperature 19 (A10) Abnormal Rate	Shutdown w/Cooldown	PC 3.x
40464	12	Fault Status Gas Bitmap 34	2515	Exhaust Temperature 20 (B10) Abnormal Rate	Shutdown w/Cooldown	PC 3.x
40464	13	Fault Status Gas Bitmap 34	2553	Engine Oil Level Low Warning Error	Warning	PC 3.x
40464	14	Fault Status Gas Bitmap 34	2568	Gas Supply Pressure Critical High	Shutdown w/Cooldown	PC 3.x
40464	15	Fault Status Gas Bitmap 34	2569	Gas Supply Pressure Critical Low	Shutdown w/Cooldown	PC 3.x
40465	0	Fault Status Gas Bitmap 35	2586	Spark Plug 1 (A1) High Warning	NONE	PC 3.x
40465	1	Fault Status Gas Bitmap 35	2587	Spark Plug 2 (B1) High Warning	NONE	PC 3.x
40465	2	Fault Status Gas Bitmap 35	2588	Spark Plug 3 (A2) High Warning	NONE	PC 3.x
40465	3	Fault Status Gas Bitmap 35	2589	Spark Plug 4 (B2) High Warning	NONE	PC 3.x
40465	4	Fault Status Gas Bitmap 35	2591	Spark Plug 5 (A3) High Warning	NONE	PC 3.x
40465	5	Fault Status Gas Bitmap 35	2592	Spark Plug 6 (B3) High Warning	NONE	PC 3.x
40465	6	Fault Status Gas Bitmap 35	2593	Spark Plug 1 (A1) Low Warning	NONE	PC 3.x
40465	7	Fault Status Gas Bitmap 35	2594	Spark Plug 2 (B1) Low Warning	NONE	PC 3.x
40465	8	Fault Status Gas Bitmap 35	2595	Spark Plug 3 (A2) Low Warning	NONE	PC 3.x
40465	9	Fault Status Gas Bitmap 35	2596	Spark Plug 4 (B2) Low Warning	NONE	PC 3.x
40465	10	Fault Status Gas Bitmap 35	2597	Spark Plug 5 (A3) Low Warning	NONE	PC 3.x

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Addr.	Bit#	Name	Fault Code	Event Name	Response	Control
40465	11	Fault Status Gas Bitmap 35	2598	Spark Plug 6 (B3) Low Warning	NONE	PC 3.x
40465	12	Fault Status Gas Bitmap 35	2646	HT Coolant Temperature Condition Exists	Warning	PC 3.x
40466	0	Fault Status Gas Bitmap 36	3262	Spark Plug 7 (A4) High Warning	NONE	PC 3.x
40466	1	Fault Status Gas Bitmap 36	3263	Spark Plug 7 (A4) Low Warning	NONE	PC 3.x
40466	2	Fault Status Gas Bitmap 36	3264	Spark Plug 8 (B4) High Warning	NONE	PC 3.x
40466	3	Fault Status Gas Bitmap 36	3265	Spark Plug 8 (B4) Low Warning	NONE	PC 3.x
40466	4	Fault Status Gas Bitmap 36	3266	Spark Plug 9 (A5) High Warning	NONE	PC 3.x
40466	5	Fault Status Gas Bitmap 36	3267	Spark Plug 9 (A5) Low Warning	NONE	PC 3.x
40466	6	Fault Status Gas Bitmap 36	3268	Spark Plug 10 (B5) High Warning	NONE	PC 3.x
40466	7	Fault Status Gas Bitmap 36	3269	Spark Plug 10 (B5) Low Warning	NONE	PC 3.x
40466	8	Fault Status Gas Bitmap 36	3271	Spark Plug 11 (A6) High Warning	NONE	PC 3.x
40466	9	Fault Status Gas Bitmap 36	3272	Spark Plug 11 (A6) Low Warning	NONE	PC 3.x
40466	10	Fault Status Gas Bitmap 36	3273	Spark Plug 12 (B6) High Warning	NONE	PC 3.x
40466	11	Fault Status Gas Bitmap 36	3274	Spark Plug 12 (B6) Low Warning	NONE	PC 3.x
40466	12	Fault Status Gas Bitmap 36	3275	Spark Plug 13 (A7) High Warning	NONE	PC 3.x
40466	13	Fault Status Gas Bitmap 36	3276	Spark Plug 13 (A7) Low Warning	NONE	PC 3.x
40466	14	Fault Status Gas Bitmap 36	3277	Spark Plug 14 (B7) High Warning	NONE	PC 3.x
40466	15	Fault Status Gas Bitmap 36	3278	Spark Plug 14 (B7) Low Warning	NONE	PC 3.x
40467	0	Fault Status Gas Bitmap 37	3279	Spark Plug 15 (A8) High Warning	NONE	PC 3.x
40467	1	Fault Status Gas Bitmap 37	3281	Spark Plug 15 (A8) Low Warning	NONE	PC 3.x

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Addr.	Bit#	Name	Fault Code	Event Name	Response	Control
40467	2	Fault Status Gas Bitmap 37	3282	Spark Plug 16 (B8) High Warning	NONE	PC 3.x
40467	3	Fault Status Gas Bitmap 37	3283	Spark Plug 16 (B8) Low Warning	NONE	PC 3.x
40467	4	Fault Status Gas Bitmap 37	3284	Spark Plug 17 (A9) High Warning	NONE	PC 3.x
40467	5	Fault Status Gas Bitmap 37	3285	Spark Plug 17 (A9) Low Warning	NONE	PC 3.x
40467	6	Fault Status Gas Bitmap 37	3286	Spark Plug 18 (B9) High Warning	NONE	PC 3.x
40467	7	Fault Status Gas Bitmap 37	3287	Spark Plug 18 (B9) Low Warning	NONE	PC 3.x
40467	8	Fault Status Gas Bitmap 37	3288	Exhaust Aft Outlet Oxygen Relay OORH	Warning	PC 3.x
40467	9	Fault Status Gas Bitmap 37	3289	Exhaust Aft Outlet Oxygen Relay OORL	Warning	PC 3.x
40467	10	Fault Status Gas Bitmap 37	3291	Exhaust Aft Inlet Oxygen Relay OORH	Warning	PC 3.x
40467	11	Fault Status Gas Bitmap 37	3292	Exhaust Aft Inlet Oxygen Relay OORL	Warning	PC 3.x
40467	12	Fault Status Gas Bitmap 37	3293	Exhaust Oxygen Relay OORH	Warning	PC 3.x
40467	13	Fault Status Gas Bitmap 37	3294	Exhaust Oxygen Relay OORL	Warning	PC 3.x
40468	3	Fault Status Gas Bitmap 38	3365	External Air Pressure Low Warning Error	Warning	PC 3.x
40468	4	Fault Status Gas Bitmap 38	3384	Manifold_Absolute_Pressure_2_High_Error	Warning	PC 3.x
40468	5	Fault Status Gas Bitmap 38	3391	Manifold_Absolute_Pressure_2_Low_Error	Warning	PC 3.x
40468	6	Fault Status Gas Bitmap 38	3392	Int Man Pressure 2 Critical High	Shutdown w/Cooldown	PC 3.x
40468	7	Fault Status Gas Bitmap 38	3393	Int Man Pressure 2 Moderate High	Warning	PC 3.x
40468	9	Fault Status Gas Bitmap 38	3397	Low Gearbox Oil Pressure - Condition Exists	Shutdown	PC 3.x
40468	10	Fault Status Gas Bitmap 38	3398	High Gearbox Oil Temperature - Condition Exists	Shutdown w/Cooldown	PC 3.x
40468	11	Fault Status Gas Bitmap 38	3399	Differential Fault - Condition Exists	Shutdown	PC 3.x

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Addr.	Bit#	Name	Fault Code	Event Name	Response	Control
40468	12	Fault Status Gas Bitmap 38	3411	DC Power Supply Fault - Condition Exists	Warning	PC 3.x
40468	13	Fault Status Gas Bitmap 38	3412	GIB Isolator Open Fault - Condition Exists	Warning	PC 3.x
40468	14	Fault Status Gas Bitmap 38	3413	Radiator Fan Trip Fault - Condition Exists	Warning	PC 3.x
40468	15	Fault Status Gas Bitmap 38	3414	Ventilator Fan Trip Fault - Condition Exists	Warning	PC 3.x
40469	0	Fault Status Gas Bitmap 39	3415	Louvres Closed Fault - Condition Exists	Warning	PC 3.x
40469	1	Fault Status Gas Bitmap 39	3416	Start System Fault - Condition Exists	Warning	PC 3.x
40469	2	Fault Status Gas Bitmap 39	3417	Alternator Heater Trip Fault - Condition Exists	Warning	PC 3.x
40469	4	Fault Status Gas Bitmap 39	9971	ECM Derate Fault	NONE	PC 3.x
40469	5	Fault Status Gas Bitmap 39	3479	Start-Inhibit Shutdown Fault	Shutdown	PC 3.x
40469	6	Fault Status Gas Bitmap 39	3481	Start-Inhibit Warning Fault Event	Warning	PC 3.x
40469	7	Fault Status Gas Bitmap 39	3483	High Alternator Temperature 1 Shutdown Fault	Shutdown	PC 3.x
40469	8	Fault Status Gas Bitmap 39	3484	High Alternator Temperature 2 Shutdown Fault	Shutdown	PC 3.x
40469	9	Fault Status Gas Bitmap 39	3485	High Alternator Temperature 3 Shutdown Fault	Shutdown	PC 3.x
40469	10	Fault Status Gas Bitmap 39	3486	High Drive End Bearing Temperature Shutdown Fault	Shutdown	PC 3.x
40469	11	Fault Status Gas Bitmap 39	3487	High Non-Drive End Bearing Temp Shutdown Fault	Shutdown	PC 3.x
40469	12	Fault Status Gas Bitmap 39	3482	Off Load Running Fault	Shutdown	PC 3.x
40470	0	Fault Status Gas Bitmap 40	3491	Oil Filter Restriction High	Shutdown w/Cooldown	PC 3.x
40470	1	Fault Status Gas Bitmap 40	2313	Fuel Control Valve Error	Warning	PC 3.x
40470	2	Fault Status Gas Bitmap 40	3475	Engine Electronic Fuel Valve #2 OORH	Warning	PC 3.x
40470	3	Fault Status Gas Bitmap 40	3476	Engine Electronic Fuel Valve #2 OORL	Warning	PC 3.x

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Addr.	Bit#	Name	Fault Code	Event Name	Response	Control
40470	4	Fault Status Gas Bitmap 40	2812	Throttle Control Actuator Error	Shutdown w/Cooldown	PC 3.x
40470	5	Fault Status Gas Bitmap 40	3489	Compressor Bypass Actuator Error	Warning	PC 3.x
40470	6	Fault Status Gas Bitmap 40	3458	Knock Engine Derate	Warning	PC 3.x
40470	8	Fault Status Gas Bitmap 40	3499	Throttle Actuator 2- Special Instruction	Shutdown w/Cooldown	PC 3.x
40470	9	Fault Status Gas Bitmap 40	3511	Throttle Actuator 2- Shorted High	Shutdown w/Cooldown	PC 3.x
40470	10	Fault Status Gas Bitmap 40	3512	Throttle Actuator 2- Shorted Low	Shutdown w/Cooldown	PC 3.x
40470	11	Fault Status Gas Bitmap 40	2752	Throttle Actuator - Shorted High	Shutdown w/Cooldown	PC 3.x
40470	12	Fault Status Gas Bitmap 40	3514	Throttle Actuator - Shorted Low	Shutdown w/Cooldown	PC 3.x
40470	13	Fault Status Gas Bitmap 40	3515	Throttle Actuator - Special instruction	Shutdown w/Cooldown	PC 3.x
40470	14	Fault Status Gas Bitmap 40	3521	Throttle Actuator - Temperature low	Warning	PC 3.x
40470	15	Fault Status Gas Bitmap 40	3522	Throttle Actuator 2- Temp low	Warning	PC 3.x
40474	10	Fault Status Gas Bitmap 40	4686	Connector Cap Not Present	Warning	PC 3.x
40757	0	Customer Faults (Modlon)	1573	Configurable Input #1	None	3.X
40757	1	Customer Faults (Modlon)	1312	Configurable Input #2	None	3.X
40757	2	Customer Faults (Modlon)	1317	Configurable Input #13	None	3.X
40757	3	Customer Faults (Modlon)	1318	Configurable Input #14	None	3.X
40757	4	Customer Faults (Modlon)	5182	AUX101 0 Input 1 Fault	Warning	3.X
40757	5	Customer Faults (Modlon)	2621	AUX101 0 Input 2 Fault	Warning	3.X
40757	6	Customer Faults (Modlon)	2622	AUX101 0 Input 3 Fault	Warning	3.X
40757	7	Customer Faults (Modlon)	2623	AUX101 0 Input 4 Fault	Warning	3.X

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Addr.	Bit#	Name	Fault Code	Event Name	Response	Control
40757	8	Customer Faults (Modlon)	2624	AUX101 0 Input 5 Fault	Warning	3.X
40757	9	Customer Faults (Modlon)	2625	AUX101 0 Input 6 Fault	Warning	3.X
40757	10	Customer Faults (Modlon)	2626	AUX101 0 Input 7 Fault	Warning	3.X
40757	11	Customer Faults (Modlon)	2627	AUX101 0 Input 8 Fault	Warning	3.X
40757	12	Customer Faults (Modlon)	2882	Aux101 1 Input 1 Fault	Warning	3.X
40757	13	Customer Faults (Modlon)	2883	Aux101 1 Input 2 Fault	Warning	3.X
40757	14	Customer Faults (Modlon)	2884	Aux101 1 Input 3 Fault	Warning	3.X
40757	15	Customer Faults (Modlon)	2885	Aux101 1 Input 3 Fault	Warning	3.X

Addr.	Bit#	Name	Fault Code	Event Name	Response	Control
41419	9	Fault Status Bitmap 38	7548	Engine Friction Below Baseline - Least Severe	None	PCC300, PCC3300V2
41419	10	Fault Status Bitmap 38	7549	Engine Friction Below Baseline - Moderately Severe	Warning	PCC3300, PCC3300V2
41419	11	Fault Status Bitmap 38	7551	Engine Friction - Above Baseline Least Severe	None	PCC3300, PCC3300V2
41419	12	Fault Status Bitmap 38	7552	Engine Friction Above Baseline - Moderately Severe	Warning	PCC3300, PCC3300V2
41419	13	Fault Status Bitmap 38	7553	Engine Friction Devn Above Baseline - Mod Severity	Warning	PCC3300, PCC3300V2
41419	14	Fault Status Bitmap 38	7554	Engine Friction Devn Above Baseline - Most Severe	Shutdown	PCC3300, PCC3300V2
41419	15	Fault Status Bitmap 38	7555	Alternator Feedback Power Loss	Shutdown	PC3300, PCC3300V2

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7 NFPA 110 and Extended Annunciation Bitmap

TABLE 8. NFPA110 BITMAP

Bit	Description
15	Common Alarm
14	Genset Supplying Load
13	Genset Running
12	Not in Auto
11	High Battery Voltage
10	Low Battery Voltage
9	Charger AC Failure
8	Fail to Start
7	Low Coolant Temperature
6	Pre–high Engine Temperature
5	High Engine Temperature
4	Pre–low Oil Pressure
3	Low Oil Pressure
2	Overspeed
1	Low Coolant Level
0	Low Fuel Level

See Chapter 3 Reg. 40016, Section 5.2 Reg. 40716, 40717, and Chapter 9

TABLE 9. EXTENDED ANNUNCIATION BITMAP

Bit	Description
15	Check Genset
14	Ground Fault
13	High AC Voltage
12	Low AC Voltage
11	Under Frequency
10	Overload
9	Overcurrent
8	Short Circuit
7	Reverse KW

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Bit	Description
6	Reverse kVAR
5	Fail to Sync
4	Fail to Close
3	Load Demand
2	Genset Circuit Breaker Tripped
1	Utility Circuit Breaker Tripped
0	Emergency Stop

See**Chapter 3** Reg. 40017 and **Chapter 9**

TABLE 10. NFPA110 BITMAP

Bit	Description
15	Source 1 Connected
14	Source 2 Connected
13	NA
12	Not in Auto
11	NA
10	NA
9	Charger AC Failure
8	NA
7	NA
6	NA
5	NA
4	NA
3	NA
2	NA
1	NA
0	NA

See **Chapter 10**

TABLE 11. EXTENDED ANNUNCIATION BITMAP

Bit	Description
15	Source 1 Available
14	Source 2 Available
13	Source 1 Connected

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Bit	Description
12	Source 2 Connected
11	ATS Common Alarm
10	Not In Auto
9	Test / Exercise In Progress
8	Low Battery Voltage
7	Load Shed
6	Transfer Inhibit
5	Retransfer Inhibit
4	Fail To Close
3	Fail To Disconnect
2	Fail To Synchronize
1	Bypass to Source 1
0	Bypass to Source 2

See **Chapter 10**

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8 NFPA 110 Bitmap (PS0600)

TABLE 12. NFPA110 BITMAP FOR PS0600

Bit	Description
31	Check Genset
30	Ground Fault
29	High AC Voltage
28	Low AC Voltage
27	Under Frequency
26	Overload Warning OR Overload Shutdown
25	Overcurrent
24	Short Circuit
23	Reverse KW
22	Reverse KVAR
21	Fail to Sync
20	Fail to Close
19	Load Demand
18	Genset Circuit Breaker Tripped
17	Utility Circuit Breaker Tripped
16	Emergency Stop
15	Common Alarm
14	Genset Supplying Load
13	Genset Running
12	Not in Auto
11	High Battery Voltage
10	Low Battery Voltage OR Weak Battery
9	Charger AC Failure
8	Fail to Start
7	Low Coolant Temperature
6	Pre–High Engine Temperature
5	High Engine Temperature
4	Pre–Low Oil Pressure
3	Low Oil Pressure
2	Overspeed

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1	Low Coolant Level
0	Low Fuel Level

See **Section 4.2**.

NOTICE
To view 32-bit data of NFPA110 register in Modbus tool, length shall be provided as 2 for 400016 address for read/write values.

9 DMC 1000 Modbus Parametric Data

NOTICE

Earlier versions of software may not support all of the Modbus registers in the following table. If a particular register is not available in your installation, it is possible that the Modbus connection is working but the controller software does not support that particular register.

NOTICE

If an address or bit is not listed in this table it is not implemented.

Addr	System Name	Access	Specifications		Description	Function
42001	MB Logical Read Address	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Lower Limit: .000 Upper Limit: 65535.000 Default: 0	Logical address to be read via Modbus	Communications
42002	MB Logical Read Data	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: U	Unit: Lower Limit: Upper Limit: Default:	Logical data to be read via Modbus	Communications
42009	Device Type	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Lower Limit: Upper Limit: Default:	Hard coded device type id = 52 (0x0034)	Communications
42010	Software Version	Read Only	Multiplier: 0.000100000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Lower Limit: Upper Limit: Default:	Software version number	Controller Information
42012	Current Fault Status	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Lower Limit: Upper Limit: Default:	The most recently occurring fault which is still active	Fault and Event Info
42018	Genset L1N Voltage	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Volts Lower Limit: Upper Limit: Default	Generator set L1N voltage	Voltage

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Addr	System Name	Access	Specifications		Description	Function
42019	Genset L2N Voltage	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Volts Lower Limit: Upper Limit: Default	Generator set L2N voltage	Voltage
42020	Genset L3N Voltage	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Volts Lower Limit: Upper Limit: Default	Generator set L3N voltage	Voltage
42021	Genset LN Average Voltage	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Volts Lower Limit: Upper Limit: Default	Generator set LN average voltage	Voltage
42022	Genset L1L2 Voltage	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Volts Lower Limit: Upper Limit: Default:	Generator set L1L2 voltage	Voltage
42023	Genset L2L3 Voltage	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Volts Lower Limit: Upper Limit: Default:	Generator set L2L3 voltage	Voltage
42024	Genset L3L1 Voltage	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Volts Lower Limit: Upper Limit: Default:	Generator set L3L1 voltage	Voltage
42025	Genset LL Average Voltage	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Volts Lower Limit: Upper Limit: Default:	Generator set LL average voltage	Voltage
42026	Genset L1 Current	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Amps Lower Limit: Upper Limit: Default	Generator set L1 current	Current

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Addr	System Name	Access	Specifications		Description	Function
42027	Genset L2 Current	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Amps Lower Limit: Upper Limit: Default	Generator set L2 current	Current
42028	Genset L3 Current	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Amps Lower Limit: Upper Limit: Default	Generator set L3 current	Current
42029	Genset Average Current	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Amps Lower Limit: Upper Limit: Default	Generator set average current	Current
42030	Genset L1 kW	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: Upper Limit: Default:	Generator set L1 kW	Current
42031	Genset L2 kW	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: Upper Limit: Default:	Generator set L2 kW	Current
42032	Genset L3 kW	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: Upper Limit: Default:	Generator set L3 kW	Power
42033	Genset Total kW	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: Upper Limit: Default:	Generator set total kW	Power
42034	Genset L1 kVAR	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kVAR Lower Limit: Upper Limit: Default:	Generator set L1 kVAR	Power

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Addr	System Name	Access	Specifications		Description	Function
42035	Genset L2 kVAR	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kVAR Lower Limit: Upper Limit: Default:	Generator set L2 kVAR	Power
42036	Genset L3 kVAR	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kVAR Lower Limit: Upper Limit: Default:	Generator set L3 kVAR	Power
42037	Genset Total kVAR	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kVAR Lower Limit: Upper Limit: Default:	Generator set total kVAR	Power
42038	Genset Total Power Factor	Read Only	Multiplier: 0.010000000000 Offset: 0 Size (bits): 8 Sign: S	Unit: Lower Limit: Upper Limit: Default:	Generator set total power factor	Power
42039	Genset L1 kVA	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: kVA Lower Limit: Upper Limit: Default:	Generator set L1 kVA	Power
42040	Genset L2 kVA	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: kVA Lower Limit: Upper Limit: Default:	Generator Set L2 kVA	Power
42041	Genset L3 kVA	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: kVA Lower Limit: Upper Limit: Default:	Generator set L3 kVA	Power
42042	Genset Total kVA	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: kVA Lower Limit: kVA Upper Limit: kVA Default:	Generator set total kVA	Power

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Addr	System Name	Access	Specifications		Description	Function
42043	MB Genset Frequency	Read Only	Multiplier: 0.100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Hz Lower Limit: Hz Upper Limit: Hz Default:	Generator set line frequency scaled by 10 = 1Hz for Modbus	Communications
42044	Genset Total Negative kWh	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: U	Unit: kWh Lower Limit: kWh Upper Limit: kWh Default:	Generator set total negative kWh accumulation	Energy
42046	Genset Total Positive kWh	Read Only	Multiplier: .100000000000 Offset: 0 Size (bits): 32 Sign: U	Unit: kWh Lower Limit: kWh Upper Limit: kWh Default:	Generator set total positive kWh accumulation	Energy
42048	Genset Total Net kWh	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: S	Unit: kWh Lower Limit: kWh Upper Limit: kWh Default:	Generator set total net kWh accumulation	Energy
42050	Genset Total Negative kVARh	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: U	Unit: kVARh Lower Limit: kVARh Upper Limit: kVARh Default:	Generator set total negative kVARh accumulation	Energy
42052	Genset Total Positive kVARh	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: U	Unit: kVARh Lower Limit: kVARh Upper Limit: kVARh Default:	Generator set total positive kVARh accumulation	Energy
42054	Genset Total Net kVARh	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: S	Unit: kVARh Lower Limit: kVARh Upper Limit: kVARh Default:	Generator set total net kVARh accumulation	Energy
40056	Genset Total kVAh	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: U	Unit: kVAh Lower Limit: kVAh Upper Limit: kVAh Default:	Generator set total kVAh accumulation	Energy

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Addr	System Name	Access	Specifications		Description	Function
42058	Genset Available Current	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Amps Lower Limit: Upper Limit: Default:	Calculated Amps which represent 100% generator set bus current -- used by barograph	Current
42059	Genset L1 Current Percent	Read Only	Multiplier: 0.100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: % Lower Limit: Upper Limit: Default:	Generator set L1 current as percent of generator set total current capacity--used by barograph	Current
42060	Genset L2 Current Percent	Read Only	Multiplier: 0.100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: % Lower Limit: Upper Limit: Default:	Generator set L2 current as percent of generator set total current capacity--used by barograph	Current
42061	Genset L3 Current Percent	Read Only	Multiplier: 0.100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: % Lower Limit: Upper Limit: Default:	Generator set L3 current as percent of generator set total current capacity--used by barograph	Current
42062	Genset Total kW Percent	Read Only	Multiplier: 0.100000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: % Lower Limit: Upper Limit: Default:	Generator set total kW as percent of total generator set capacity -- used by barograph	Power
42063	Genset Frequency Percent	Read Only	Multiplier: 0.100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: % Lower Limit: Upper Limit: Default:	Generator set frequency as percent of system frequency -- used by barograph	Frequency
42064	Genset L1L2 Voltage%	Read Only	Multiplier: 0.100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: % Lower Limit: Upper Limit: Default:	Generator set L1L2 voltage%	Voltage

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Addr	System Name	Access	Specifications		Description	Function
42065	Genset L2L3 Voltage%	Read Only	Multiplier: 0.100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: % Lower Limit: Upper Limit: Default:	Generator set L2L3 voltage%	Voltage
42066	Genset L3L1 Voltage%	Read Only	Multiplier: 0.100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: % Lower Limit: Upper Limit: Default:	Generator set L3L1 voltage%	Voltage
42118	Utility L1N Voltage	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Volts Lower Limit: Upper Limit: Default: 0	Utility L1N voltage	Voltage
42119	Utility L2N Voltage	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Volts Lower Limit: Upper Limit: Default: 0	Utility L2N voltage	Voltage
42120	Utility L3N Voltage	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Volts Lower Limit: Upper Limit: Default: 0	Utility L3N voltage	Voltage
42121	Utility LN Average Voltage	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Volts Lower Limit: Upper Limit: Default: 0	Utility LN average voltage	Voltage
42122	Utility L1L2 Voltage	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Volts Lower Limit: Upper Limit: Default: 0	Utility L1L2 voltage	Voltage
42123	Utility L2L3 Voltage	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Volts Lower Limit: Upper Limit: Default: 0	Utility L2L3 voltage	Voltage

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Addr	System Name	Access	Specifications		Description	Function
42124	Utility L3L1 Voltage	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Volts Lower Limit: Upper Limit: Default: 0	Utility L3L1 voltage	Voltage
42125	Utility LL Average Voltage	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Volts Lower Limit: Upper Limit: Default: 0	Utility LL average voltage	Voltage
42126	Utility L1 Current	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Amps Lower Limit: Upper Limit: Default:	Utility L1 current	Current
42127	Utility L2 Current	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Amps Lower Limit: Upper Limit: Default:	Utility L2 current	Current
42128	Utility L3 Current	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Amps Lower Limit: Upper Limit: Default:	Utility L3 current	Current
42129	Utility Average Current	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Amps Lower Limit: Upper Limit: Default:	Utility average current	Current
42130	Utility L1 kW	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: Upper Limit: Default:	Utility L1 kW	Power
42131	Utility L2 kW	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: Upper Limit: Default	Utility L2 kW	Power

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Addr	System Name	Access	Specifications		Description	Function
42132	Utility L3 kW	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: Upper Limit: Default	Utility L3 kW	Power
42133	Utility Total kW	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: Upper Limit: Default	Utility total kW	Power
42134	Utility L1 kVARt	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kVAR Lower Limit: Upper Limit: Default	Utility L1 kVAR	Power
42135	Utility L2 kVAR	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kVAR Lower Limit: Upper Limit: Default	Utility L2 kVAR	Power
42136	Utility L3 kVAR	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kVAR Lower Limit: Upper Limit: Default:	Utility L3 kVAR	Power
42137	Utility Total kVAR	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kVAR Lower Limit: Upper Limit: Default:	Utility total kVAR	Power
42138	Utility Total Power Factor	Read Only	Multiplier: .010000000000 Offset: 0 Size (bits): 8 Sign: S	Unit: Lower Limit: Upper Limit: Default:	Utility total power factor	Power
42139	Utility L1 kVA	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: kVA Lower Limit: Upper Limit: Default:	Utility L1 kVA	Power

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Addr	System Name	Access	Specifications		Description	Function
42140	Utility L2 kVA	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: kVA Lower Limit: Upper Limit: Default:	Utility L2 kVA	Power
42141	Utility L3 kVA	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: kVA Lower Limit: Upper Limit: Default:	Utility L3 kVA	Power
42142	Utility Total kVA	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: kVA Lower Limit: Upper Limit: Default:	Utility total kVA	Power
42143	MB Utility Frequency	Read Only	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Hz Lower Limit: Upper Limit: Default:	Utility line frequency scaled by 10 = 1Hz for Modbus	Communications
42144	Utility Total Negative kWh	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: U	Unit: kWh Lower Limit: Upper Limit: Default:	Utility total negative kWh accumulation	Energy
42146	Utility Total Positive kWh	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: U	Unit: kWh Lower Limit: Upper Limit: Default:	Utility total positive kWh accumulation	Energy
42148	Utility Total Net kWh	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: S	Unit: kWh Lower Limit: Upper Limit: Default:	Utility total net kWh accumulation	Energy
42150	Utility Total Negative kVARh	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: U	Unit: kVARh Lower Limit: Upper Limit: Default:	Utility total negative kVARh accumulation	Energy

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Addr	System Name	Access	Specifications		Description	Function
42152	Utility Total Positive kVARh	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: U	Unit: kVARh Lower Limit: Upper Limit: Default:	Utility total positive kVARh accumulation	Energy
42154	Utility Total Net kVARh	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: S	Unit: kVARh Lower Limit: Upper Limit: Default:	Utility total net kVARh accumulation	Energy
42156	Utility Total kVAh	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: U	Unit: kVARh Lower Limit: Upper Limit: Default:	Utility total kVAh accumulation	Energy
42158	System Total kW	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: Upper Limit: Default:	Sum of generator set bus and utility bus kW	Power
42159	System Total kVAR	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kVAR Lower Limit: Upper Limit: Default:	Sum of generator set bus and utility bus kVAR	Power
42160	System Total Power Factor	Read Only	Multiplier: 0.010000000000 Offset: 0 Size (bits): 8 Sign: S	Unit: Lower Limit: Upper Limit: Default:	System total power factor (totalized value of utility bus plus generator set bus)	Power
42161	System Total kVA	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: kVA Lower Limit: Upper Limit: Default:	Sum of generator set bus and utility bus kVA	Power
42162	Utility L1 Current Percent	Read Only	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: % Lower Limit: Upper Limit: Default:	barograph	Current

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Addr	System Name	Access	Specifications		Description	Function
42163	Utility L2 Current Percent	Read Only	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: % Lower Limit: Upper Limit: Default:	barograph	Current
42164	Utility L3 Current Percent	Read Only	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: % Lower Limit: Upper Limit: Default:	barograph	Current
42165	Utility Total kW Percent	Read Only	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: % Lower Limit: Upper Limit: Default:	Utility total kW as percent of total utility capacity -- used by barograph	Power
42166	Utility Frequency Percent	Read Only	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: % Lower Limit: Upper Limit: Default:	Utility frequency as percent of System Frequency -- used by barograph	Frequency
42167	Utility L1L2 Voltage%	Read Only	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: % Lower Limit: Upper Limit: Default:	Utility L1L2 voltage%	Voltage
42168	Utility L2L3 Voltage%	Read Only	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: % Lower Limit: Upper Limit: Default:	Utility L2L3 voltage%	Voltage
42169	Utility L3L1 Voltage%	Read Only	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: % Lower Limit: Upper Limit: Default:	Utility L3L1 voltage%	Voltage
42200	Total Number of Gensets	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: Upper Limit: Default:	Number of generator sets with non-zero ratings entered	System Information

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Addr	System Name	Access	Specifications		Description	Function
42201	Total System Capacity	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: Upper Limit: Default:	Sum of the generator set kW ratings	System Information
42202	Total Online Capacity	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: Upper Limit: Default:	Sum of the generator set kW ratings for generator sets which are online	System Information
42203	Programmed Transition Timer	Read Only	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: seconds Lower Limit: Upper Limit: Default:	Countdown value of the programmed transition timer	PTC Timers
42204	Transfer Timer	Read Only	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: seconds Lower Limit: Upper Limit: Default: 0	Countdown value of the transfer timer	PTC Timers
42205	Retransfer Timer	Read Only	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: seconds Lower Limit: Upper Limit: Default:	Countdown value of the retransfer timer	PTC Timers
42206	Maximum Parallel Timer	Read Only	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: seconds Lower Limit: Upper Limit: Default:	Countdown value of the maximum parallel timer	PTC Timers
42207	kW Load Reference	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: Upper Limit: Default:	kW control reference value for utility paralleling	Master Load Control
42212	Active Transition Timer	Read Only	Multiplier: .010000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: seconds Lower Limit: Upper Limit: Default:	Countdown timer value of active timer	PTC Timers

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Addr	System Name	Access	Specifications		Description	Function
42213	Hardware Version	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: Lower Limit: Upper Limit: Default:	Indicates the hardware version of the board	Discrete Inputs
42214	Controller On Time	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: U	Unit: seconds Lower Limit: 0.000 Upper Limit: 4294967295.000 Default: 0.000	Amount of time in seconds controller has been powered	Controller Information
42220	kVAR Load Reference	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kVAR Lower Limit: Upper Limit: Default:	kVAR control reference value for extended paralleling	Master Load Control
42221	kVAR Load Setpoint Engr Units Display Value	Read Only	Multiplier: .010000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: % Lower Limit: Upper Limit: Default	Engineering units value for the kVAR load setpoint analog input	Analog Inputs
42222	kW Load Setpoint Engr Units Display Value	Read Only	Multiplier: .010000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: % Lower Limit: Upper Limit: Default:	Engineering units value for the kW load setpoint analog input	Analog Inputs
42223	Power Factor Setpoint	Read Only	Multiplier: .010000000000 Offset: 0 Size (bits): 8 Sign: S	Unit: Lower Limit: Upper Limit: Default:	Power factor setpoint analog input value (uses kVAR load setpoint analog input)	Analog Inputs
42226	Sync Phase Difference	Read Only	Multiplier: .010000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: degrees Lower Limit: Upper Limit: Default:	Utility to generator set L1 voltage phase angle	Phase
42250	Current Add Level	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: Lower Limit: Upper Limit: Default:	Indicates the next level to add	Load Add Shed Control

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Addr	System Name	Access	Specifications		Description	Function
42251	Current Shed Level	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: Lower Limit: Upper Limit: Default	Indicates the next level to shed	Load Add Shed Control
42291	Battery Voltage Engr Units Display Value	Read Only	Multiplier: .010000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: VDC Lower Limit: Upper Limit: Default	Engineering units value for the battery voltage analog input	Analog Inputs
42292	kVAR Master Load Control Output Predictor Value	Read Only	Multiplier: .010000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: VDC Lower Limit: Upper Limit: Default	Voltage level commanded to kVAR Master load control analog output	Analog Outputs
42293	kW Master Load Control Output Predictor Value	Read Only	Multiplier: .010000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: VDC Lower Limit: Upper Limit: Default	Voltage level commanded to kW Master load control analog output	Analog Outputs
42294	Master Frequency Bias Output Predictor Value	Read Only	Multiplier: .010000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: VDC Lower Limit: Upper Limit: Default	Voltage level commanded to Master frequency bias analog output	Analog Outputs
42295	Master Voltage Bias Output Predictor Value	Read Only	Multiplier: .010000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: VDC Lower Limit: Upper Limit: Default:	Voltage level commanded to Master voltage bias analog output	Analog Outputs
42305	Genset 01 kW Rating	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: 0.000 kW Upper Limit: 32000.00 kW Default: 1000.000	Sets gen1 kW rating	System Information
42306	Genset 02 kW Rating	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: 0.000 kW Upper Limit: 32000.00 kW Default: 0.000	Sets gen2 kW rating	System Information

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Addr	System Name	Access	Specifications		Description	Function
42307	Genset 03 kW Rating	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: 0.000 kW Upper Limit: 32000.00 kW Default: 0.000	Sets gen3 kW rating	System Information
42308	Genset 04 kW Rating	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: 0.000 kW Upper Limit: 32000.00 kW Default: 0.000	Sets gen4 kW rating	System Information
42309	Genset 05 kW Rating	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: 0.000 kW Upper Limit: 32000.00 kW Default: 0.000	Sets gen5 kW rating	System Information
42310	Genset 06 kW Rating	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: 0.000 kW Upper Limit: 32000.00 kW Default: 0.000	Sets gen6 kW rating	System Information
42311	Genset 07 kW Rating	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: 0.000 kW Upper Limit: 32000.00 kW Default: 0.000	Sets gen7 kW rating	System Information
42312	Genset 08 kW Rating	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: 0.000 kW Upper Limit: 32000.00 kW Default: 0.000	Sets gen8 kW rating	System Information
42313	Genset 09 kW Rating	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: 0.000 kW Upper Limit: 32000.00 kW Default: 0.000	Sets gen9 kW rating	System Information
42314	Genset 10 kW Rating	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: 0.000 kW Upper Limit: 32000.00 kW Default: 0.000	Sets gen10 kW rating	System Information

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Addr	System Name	Access	Specifications		Description	Function
42315	Genset 11 kW Rating	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: 0.000 kW Upper Limit: 32000.00 kW Default: 0.000	Sets gen11 kW rating	System Information
42316	Genset 12 kW Rating	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: 0.000 kW Upper Limit: 32000.00 kW Default: 0.000	Sets gen12 kW rating	System Information
42317	Programmed Transition Delay (TDPT)	Read/ Write	Multiplier: 0.100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: seconds Lower Limit: 0.000 seconds Upper Limit: 60 seconds Default: 3.000	Sets the programmed transition time delay	PTC Timers
42318	Transfer Delay (TDNE)	Read/ Write	Multiplier: 0.100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: seconds Lower Limit: 0.000 seconds Upper Limit: 120 seconds Default: 10.000	Sets the transfer time delay	PTC Timers
42319	Retransfer Delay (TDEN)	Read/ Write	Multiplier: 0.100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: seconds Lower Limit: 0.000 seconds Upper Limit: 1800 seconds Default: 600.000	Sets the retransfer time delay	PTC Timers
42320	Maximum Parallel Time (TDMP)	Read/ Write	Multiplier: 0.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit seconds Lower Limit: 0.000 seconds Upper Limit: 1800 seconds Default: 20.000	Sets the maximum parallel time for soft load transfers	PTC Timers
42321	Genset Bus %kW Setpoint	Read/ Write	Multiplier: .010000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: % Lower Limit: –5.000 % Upper Limit: 105.000 % Default: 80.000	Sets %kW generator set output level for open loop base load extended paralleling	Master Load Control
42322	Genset Nominal Voltage	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Volts Lower Limit: 110.000 Volts Upper Limit: 45000.000 Volts Default: 480.000	Generator set nominal voltage	AC Setup

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Addr	System Name	Access	Specifications		Description	Function
42323	Utility Nominal Voltage	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Volts Lower Limit: 110.000 Volts Upper Limit: 45000.000 Volts Default: 480.000	Utility nominal voltage	AC Setup
42324	Genset Center Frequency	Read/ Write	Multiplier: 0.100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Hz Lower Limit: 45.000 Hz Upper Limit: 65.000 Default: 60.000	Sets the center frequency for the generator set frequency sensor bandwidth settings	PTC Sensors
42325	Utility Center Frequency	Read/ Write	Multiplier: 0.100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Hz Lower Limit: 45.000 Hz Upper Limit: 65.000 Hz Default: 60.000	Sets the center frequency for the utility frequency sensor bandwidth settings	PTC Sensors
42327	System Frequency	Read/ Write	Multiplier: 0.100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Hz Lower Limit: 45.000 Hz Upper Limit: 65.000 Hz Default: 60.000	Use to define the system nominal frequency	System Information
42330	Genset Bus kW Setpoint	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: 0.000 kW Upper Limit: 32767.000 kW Default: 0.000	Sets the base load kW setpoint in closed loop extended paralleling	Master Load Control
42331	Genset Bus kVAR Setpoint	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kVAR Lower Limit: 0.000 kVAR Upper Limit: 32767 kVAR Default: 0.000	Sets the base load kVAR setpoint in closed loop extended paralleling	Master Load Control
42332	Genset Bus %kVAR Setpoint	Read/ Write	Multiplier: .010000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: % Lower Limit: –5.000 % Upper Limit: 105.000 % Default: 0.000	Sets %kVAR generator set output level for open loop base load extended paralleling	Master Load Control
42333	Genset Bus Power Factor Setpoint	Read/ Write	Multiplier: .010000000000 Offset: 0 Size (bits): 8 Sign: S	Unit: Lower Limit: 0.700 Upper Limit: 1.000 Default: 1.000	Sets the desired generator set bus power factor in closed loop extended paralleling	Master Load Control

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Addr	System Name	Access	Specifications		Description	Function
42334	Genset Unloaded Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: -32768.000 kW Upper Limit: 32767 kW Default: 50.000	Setpoint for generator set unloaded level	Master Load Control
42337	Utility Bus kW Setpoint	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: -32768.000 kW Upper Limit: 32767 kW Default: 100.000	Sets the peak shave kW setpoint in closed loop extended paralleling	Master Load Control
42338	Utility Bus kW Constraint Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: –32768.000 kW Upper Limit: 32767.000 kW Default: 100.000	Sets the utility kW constraint level for base load extended paralleling	Master Load Control
42339	Utility Bus kVAR Setpoint	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kVAR Lower Limit: 32768.000 kVAR Upper Limit: 32767.000 kVAR Default: 100.000	Sets the peak shave kVAR setpoint in closed loop extended paralleling	Master Load Control
42340	Utility Bus Power Factor Setpoint	Read/ Write	Multiplier: .010000000000 Offset: 0 Size (bits): 8 Sign: S	Unit: Lower Limit: 0.700 Upper Limit: 1.000 Default: 1.000	Sets the desired utility bus power factor in closed loop extended paralleling	Master Load Control
42341	Utility Unloaded Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: –32768.000 kW Upper Limit: 32767.000 kVAR Default: 50.000	Setpoint for utility unloaded level	Master Load Control
42348	Extended Parallel Ramp Load Time	Read/ Write	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: seconds Lower Limit: 10.000 seconds Upper Limit: 900.000 seconds Default: 60.000	Sets ramp load time for extended paralleling	Master Load Control
42351	Fail To Synchronize Time	Read/ Write	Multiplier: .200000000000 Offset: 0 Size (bits):16 Sign: U	Unit: seconds Lower Limit: 10.000 seconds Upper Limit: 900.000 seconds Default: 120.000	Sets the fail to synchronize diagnostic time delay	Master Sync Control

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Addr	System Name	Access	Specifications		Description	Function
42354	Slip Frequency	Read/ Write	Multiplier: .00100000000 Offset: 0 Size (bits):16 Sign: S	Unit: Hz Lower Limit: –3.000 Hz Upper Limit: 3.000 Hz Default: 0.100	Sets the synchronizer slip frequency (used when sync method is slip)	Master Sync Control
42355	Start Time Delay (TDES)	Read/ Write	Multiplier: .10000000000 Offset: 0 Size (bits):16 Sign: U	Unit: seconds Lower Limit: 0.000 seconds Upper Limit: 3600.000 seconds Default: 0.000	Sets the generator sets start time delay	PTC Operating Mode
42356	Stop Time Delay (TDEC)	Read/ Write	Multiplier: .100000000000 Offset: 0 Size (bits):16 Sign: U	Unit: seconds Lower Limit: 0.000 seconds Upper Limit: 3600.000 seconds Default: 0.000	Sets the generator sets stop time delay	PTC Operating Mode
42364	Genset Bus Load Add Delay	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: seconds Lower Limit: 0.000 seconds Upper Limit: 60.000 seconds Default: 1.000	Indicates delay between add levels when all generator sets are online and no utility	Load Add Shed Control
42365	Utility Bus Load Add Delay	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: seconds Lower Limit: 0.000 seconds Upper Limit: 60.000 seconds Default: 1.000	Indicates delay between add levels when on utility	Load Add Shed Control
42366	Load Shed Delay	Read/ Write	Multiplier: .100000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: seconds Lower Limit: 1.000 seconds Upper Limit: 10.000 seconds Default: 1.000	Indicates delay between shed levels when on generator sets	Load Add Shed Control
42373	Load 1 Add Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: Lower Limit: 1.000 Upper Limit: 6.000 Default: 1.000	Indicates which add level load 1 is assigned to	Load Add Shed Control

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Addr	System Name	Access	Specifications		Description	Function
42374	Load 2 Add Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: Lower Limit: 1.000 Upper Limit: 6.000 Default: 2.000	Indicates which add level load 2 is assigned to	Load Add Shed Control
42375	Load 3 Add Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: Lower Limit: 1.000 Upper Limit: 6.000 Default: 3.000	Indicates which add level load 3 is assigned to	Load Add Shed Control
42376	Load 4 Add Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: Lower Limit: 1.000 Upper Limit: 6.000 Default: 4.000	Indicates which add level load 4 is assigned to	Load Add Shed Control
42377	Load 5 Add Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: Lower Limit: 1.000 Upper Limit: 6.000 Default: 5.000	Indicates which add level load 5 is assigned to	Load Add Shed Control
42378	Load 6 Add Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: Lower Limit: 1.000 Upper Limit: 6.000 Default: 6.000	Indicates which add level load 6 is assigned to	Load Add Shed Control
42379	Load 1 Shed Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: Lower Limit: 0.000 Upper Limit: 5.000 Default: 0.000	Indicates which shed level load 1 is assigned to	Load Add Shed Control
42380	Load 2 Shed Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: Lower Limit: 0.000 Upper Limit: 5.000 Default: 5.000	Indicates which shed level load 2 is assigned to	Load Add Shed Control
42381	Load 3 Shed Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: Lower Limit: 0.000 Upper Limit: 5.000 Default: 4.000	Indicates which shed level load 3 is assigned to	Load Add Shed Control

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Addr	System Name	Access	Specifications		Description	Function
42382	Load 4 Shed Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: Lower Limit: 0.000 Upper Limit: 5.000 Default: 3.000	Indicates which shed level load 4 is assigned to	Load Add Shed Control
42383	Load 5 Shed Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: Lower Limit: 0.000 Upper Limit: 5.000 Default: 2.000	Indicates which shed level load 5 is assigned to	Load Add Shed Control
42384	Load 6 Shed Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: Lower Limit: 0.000 Upper Limit: 5.000 Default: 1.000	Indicates which shed level load 6 is assigned to	Load Add Shed Control
42386	Genset Bus %kW Overload Threshold	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: % Lower Limit: 80.000 % Upper Limit: 140.000 % Default: 105.000	Use to set the %kW threshold for gen bus overload condition	System Information
42387	Genset Bus kW Overload Delay	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: second Lower Limit: 0.000 second Upper Limit: 120.000 second Default: 60.000	Sets the delay time for overload based on kW	System Information
42388	Genset Bus Underfrequency Overload Threshold	Read/ Write	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Hz Lower Limit: 0.100 Hz Upper Limit: 10.000 Hz Default: 3.000	Use to set the underfrequency offset threshold for gen bus overload condition	System Information
42389	Genset Bus Underfrequency Overload Delay	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: second Lower Limit: 0.000 Hz Upper Limit: 20.000 Hz Default: 3.000	Sets the delay time for overload based on frequency	System Information
42395	Load Demand Initial Delay	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: minute Lower Limit: 1.000 minute Upper Limit: 60.000 minute Default: 5.000	Sets the initial delay time before load demand will operate	Load Demand Control

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Addr	System Name	Access	Specifications		Description	Function
42396	Load Demand Restart Percent	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: % Lower Limit: 20 % Upper Limit: 100 % Default: 80.000	Sets the load demand restart threshold (make larger than shutdown percent)	Load Demand Control
42397	Load Demand Run Hours Differential	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: Hours Lower Limit: 1.000 Hours Upper Limit: 500 Hours Default: 50.000	Sets run hours differential for restarting a generator set stopped due to load demand	Load Demand Control
42398	Load Demand Shutdown Delay	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: minute Lower Limit: 1.000 minute Upper Limit: 60.000 minute Default: 5.000	Sets the delay time between stopping generator sets due to load demand	Load Demand Control
42399	Load Demand Shutdown Percent	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: % Lower Limit: 20 % Upper Limit: 100 % Default: 60.000	Sets the load demand shutdown threshold (make smaller than restart percent)	Load Demand Control
42400	Genset Fail Time Delay	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: seconds Lower Limit: 10.000 seconds Upper Limit: 900.000 seconds Default: 60.000	Sets how long to wait for a generator set to come online before declaring it failed	Load Demand Control
42401	Util CB Fail to Close Delay	Read/ Write	Multiplier: .020000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: seconds Lower Limit: 0.100 seconds Upper Limit: 1.000 seconds Default: 0.26	Sets the utility breaker fail to close time delay	Breaker Control
42402	Util CB Fail to Open Delay	Read/ Write	Multiplier: .200000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: seconds Lower Limit: 0.200 seconds Upper Limit: 5.000 seconds Default: 1	Sets the utility breaker fail to open time delay	Breaker Control

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Addr	System Name	Access	Specifications		Description	Function
42403	Util CB Recharge Delay	Read/ Write	Multiplier: .020000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: seconds Lower Limit: 0.000 seconds Upper Limit: 60 seconds Default: 10.000	Sets the time to allow for utility breaker recharge	Breaker Control
42404	Gen CB Fail to Close Delay	Read/ Write	Multiplier: .020000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: seconds Lower Limit: 0.100 seconds Upper Limit: 1.000 seconds Default: 0.260	Sets the generator set breaker fail to close time delay	Breaker Control
42405	Gen CB Fail to Open Delay	Read/ Write	Multiplier: 0.200000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: seconds Lower Limit: 0.200 seconds Upper Limit: 5.000 seconds Default: 1.000	Sets the generator set breaker fail to open time delay	Breaker Control
42406	Gen CB Recharge Delay	Read/ Write	Multiplier: .020000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: seconds Lower Limit: 0.000 seconds Upper Limit: 60.000 seconds Default: 10.000	Sets the time to allow for generator set breaker recharge	Breaker Control
42407	Permissive Phase Window	Read/ Write	Multiplier: 0.010000000000Offset: 0 Size (bits): 16 Sign: S	Unit: degrees Lower Limit: 0.100 degrees Upper Limit: 20.000 degrees Default: 10.000	Sets the permissive +/- phase angle window for the sync check function	Master Sync Control
42408	Permissive Voltage Window	Read/ Write	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: % Lower Limit: 0.5000 % Upper Limit: 10.000 % Default: 5.000	Sets the permissive +/- voltage acceptance window for the sync check function	Master Sync Control
42409	Permissive Window Time	Read/ Write	Multiplier: .020000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: seconds Lower Limit: 0.500 seconds Upper Limit: 5.000 seconds Default: 0.500	Sets the permissive acceptance window dwell time for the sync check function	Master Sync Control

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Addr	System Name	Access	Specifications		Description	Function
42410	Permissive Frequency Window	Read/ Write	Multiplier: .001000000000 Offset: 0 Size (bits): 32 Sign: U	Unit: Hz Lower Limit: 0.001 Hz Upper Limit: 1.000 Hz Default: 1.000	Sets the maximum frequency difference allowed for permissive close	Master Sync Control
42412	Sync Phase Offset	Read/ Write	Multiplier: 0.010000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: degrees Lower Limit: –50.000 degrees Upper Limit: 50.000 degrees Default: 0.000	Sets a sync phase offset to accommodate sync across transformer with phase shift	Master Sync Control
42414	kW Kp	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Lower Limit: 0.000 Upper Limit: 1000.000 Default: 60.000	Proportional gain for kW closed loop control in extended paralleling	Master Load Control
42415	kW KI	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: Lower Limit: 0.000 Upper Limit: 255.000 Default: 60.000	Integral gain for kW closed loop control in extended paralleling	Master Load Control
42416	kVAR Kp	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Lower Limit: 0.000 Upper Limit: 1000.000 Default: 120.000	Proportional gain for kVAR closed loop control in extended paralleling	Master Load Control
42417	kVAR KI	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: Lower Limit: 0.000 Upper Limit: 255.000 Default: 50.000	Integral gain for kVAR closed loop control in extended paralleling	Master Load Control
42418	Scheduler Program Select	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: Lower Limit: 1.000 Upper Limit: 12.000 Default: 1.000	Selects which scheduler program to view or edit	System Scheduler
42423	Scheduler Program x Start Hour	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: hour Lower Limit: 0.000 hour Upper Limit: 23.000 hour Default: 0.000	Use to adjust start hour for the selected program	System Scheduler

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Addr	System Name	Access	Specifications		Description	Function
42424	Scheduler Program x Start Minute	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: minute Lower Limit: 0.000 minute Upper Limit: 59.000 minute Default: 0.000	Use to adjust start minute for the selected program	System Scheduler
42425	Scheduler Program x Duration Hours	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: hour Lower Limit: 0.000 hour Upper Limit: 23.000 hour Default: 0.000	Use to adjust duration hours for the selected program	System Scheduler
42426	Scheduler Program x Duration Minutes	Read / Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: minute Lower Limit: 0.000 minute Upper Limit: 59.000 minute Default: 0.000	Use to adjust duration minutes for the selected program	System Scheduler
42427	Scheduler Exception Select	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: Lower Limit: 1.000 Upper Limit: 6.000 Default: 1.000	Selects which scheduler exception to view or edit	System Scheduler
42430	Scheduler Exception x Month	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: month Lower Limit: 1.000 month Upper Limit: 12.000 month Default: 1.000	Use to adjust the month of the selected exception	System Scheduler
42431	Scheduler Exception x Date	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: date Lower Limit: 1.000 date Upper Limit: 31.000 date Default: 1.000	Use to adjust the date of the selected exception	System Scheduler
42432	Scheduler Exception x Hour	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits):8 Sign: U	Unit: hour Lower Limit: 0.000 hour Upper Limit: 23.000 hour Default: 0.000	Use to adjust the start hour of the selected exception	System Scheduler

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Addr	System Name	Access	Specifications		Description	Function
42433	Scheduler Exception x Minute	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: minute Lower Limit: 0.000 minute Upper Limit: 59.000 minute Default: 0.000	Use to adjust the start minute of the selected exception	System Scheduler
42434	Scheduler Exception x Duration Days	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: days Lower Limit: 0.000 days Upper Limit: 44.000 days Default: 0.000	Use to adjust the duration days of the selected exception	System Scheduler
42435	Scheduler Exception x Duration Hours	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: hour Lower Limit: 0.000 hour Upper Limit: 23 hour Default: 0.000	Use to adjust the duration hours of the selected exception	System Scheduler
42436	Scheduler Exception x Duration Minutes	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: minute Lower Limit: 0.000 minute Upper Limit: 59.000 minute Default: 0.000	Use to adjust the duration minutes of the selected exception	System Scheduler
42440	Genset PT Primary Voltage	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Volts Lower Limit: 110.000 Volts Upper Limit: 45000.000 Volts Default: 480	Generator Set PT primary voltage	AC Setup
42441	Genset PT Secondary Voltage	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Volts Lower Limit: 110.000 Volts Upper Limit: 500 Volts Default: 120	Generator set PT secondary voltage	AC Setup
42442	Genset CT Primary Current	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Amp Lower Limit: 5.000 Amp Upper Limit: 10000.000 Amp Default: 100	Generator set CT primary current	AC Setup
42445	Utility PT Primary Voltage	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Volts Lower Limit: 110.000 Volts Upper Limit: 45000.000 Volts Default: 480	Utility PT primary voltage	AC Setup

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Addr	System Name	Access	Specifications		Description	Function
42446	Utility PT Secondary Voltage	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Volts Lower Limit: 110.000 Volts Upper Limit: 500.000 Volts Default: 120	Utility PT secondary voltage	AC Setup
42447	Utility CT Primary Current	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Amps Lower Limit: 5.000 Amps Upper Limit: 10000.00 Amps Default: 100	Utility primary current	AC Setup
42449	Load Add Shed Required Online Capacity	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: 0.000 kW Upper Limit: 32000.000 kW Default: 0	Generator set kW capacity that must be online to start timed load add; 0 disables this	Load Add Shed Control
42450	Load Demand Minimum Online Capacity	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: 0.000 kW Upper Limit: 32767.000 kW Default: 0	Sets how much capacity must always be online regardless of what the load is	Load Demand Control
42451	Load Demand Restart Delay	Read/ Write	Multiplier: 0.100000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: seconds Lower Limit: 0.000 seconds Upper Limit: 25.000 seconds Default: 1	Sets generator restart delay time to avoid nuisance restarts due to load transients	Load Demand Control
42452	Utility Available Current	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Amps Lower Limit: 1.000 Amps Upper Limit: 32000.000 Amps Default: 1000	barograph	AC Setup
42453	Total Utility Capacity	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: 1.000 kW Upper Limit: 32000.00 kW Default: 1000	Use to set how kW = 100% utility kW -- Used by barograph	AC Setup
42455	24 V High Battery Voltage Threshold	Read/ Write	Multiplier: 0.010000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: VDC Lower Limit: 28.000 VDC Upper Limit: 34.000 VDC Default: 32	Sets 24V high battery voltage fault threshold	Battery Voltage Protection

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Addr	System Name	Access	Specifications		Description	Function
42456	24 V Low Battery Voltage Threshold	Read/ Write	Multiplier: 0.010000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: VDC Lower Limit: 22.000 VDC Upper Limit: 26.000 VDC Default: 24	Sets 24V low battery voltage fault threshold	Battery Voltage Protection
42457	12 V High Battery Voltage Threshold	Read/ Write	Multiplier: 0.010000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: VDC Lower Limit: 14.000 VDC Upper Limit: 17.000 VDC Default: 16	Sets 12V high battery voltage fault threshold	Battery Voltage Protection
42458	12 V Low Battery Voltage Threshold	Read/ Write	Multiplier: 0.010000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: VDC Lower Limit: 11.000 VDC Upper Limit: 13.000 VDC Default: 12	Sets 12V low battery voltage fault threshold	Battery Voltage Protection
42459	High Battery Voltage Set time	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: second Lower Limit: 2 second Upper Limit: 60 second Default: 60	Sets high battery voltage set time	Battery Voltage Protection
42460	Low Battery Voltage Set Time	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: second Lower Limit: 2 second Upper Limit: 60 second Default: 60	Sets low battery voltage set time	Battery Voltage Protection
42462	Genset Online Capacity Sensor Threshold	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: 0.000 kW Upper Limit: 32000.000 kW Default: 0	Sets the online kW threshold at which generator set bus is available for loading	PTC Sensors
42500	Fault Status BitMap 1	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: U	Unit: Lower Limit: Upper Limit: Default:	Bitmapped state of utility and other faults - 32 bits	Fault and Event Info
42502	Fault Status BitMap 2	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: U	Unit: Lower Limit: Upper Limit: Default:	Bitmapped state of generator set and other faults - 32 bits	Fault and Event Info

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Addr	System Name	Access	Specifications		Description	Function
42505	Event Status BitMap 1	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: U	Unit: Lower Limit: Upper Limit: Default:	Bitmapped state of events - 32 bits	Fault and Event Info
42506	Genset Metering Fault Status	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Lower Limit: Upper Limit: Default:	Bitmapped word with status of generator set AC metering out of range conditions	AC Interrupt Service
42507	Utility Metering Fault Status	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Lower Limit: Upper Limit: Default:	Bitmapped word with status of utility AC metering out of range conditions	AC Interrupt Service
42704	Gen1 Online Time	Read Only	Multiplier: 0.000277778 Offset: 0 Size (bits): 32 Sign: U	Unit: Hours Lower Limit: 0.000 Hours Upper Limit: 1193046.000 Hours Default: 0	Total online time for Gen1	System Information
42706	Gen2 Online Time	Read Only	Multiplier: 0.000277778 Offset: 0 Size (bits): 32 Sign: U	Unit: Hours Lower Limit: 0.000 Hours Upper Limit: 1193046.000 Hours Default: 0	Total online time for Gen2	System Information
42708	Gen3 Online Time	Read Only	Multiplier: 0.000277778 Offset: 0 Size (bits): 32 Sign: U	Unit: Hours Lower Limit: 0.000 Hours Upper Limit: 1193046.000 Hours Default: 0	Total online time for Gen3	System Information
42710	Gen4 Online Time	Read Only	Multiplier: 0.000277778 Offset: 0 Size (bits): 32 Sign: U	Unit: Hours Lower Limit: 0.000 Hours Upper Limit: 1193046.000 Hours Default: 0	Total online time for Gen4	System Information
42717	Total Number of Gensets Online	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: Lower Limit: Upper Limit: Default:	Indicates how many of the defined Gen1 thru Gen4 generator sets are online	System Information

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Addr	System Name	Access	Specifications		Description	Function
42718	Total Spare Online Capacity	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: Upper Limit: Default:	Difference between online capacity (4 generator sets) and Genset Bus Total kW	System Information
42719	Next Gen Restart Threshold	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: Upper Limit: Default:	Indicates kW threshold for gen bus at which the next generator set will restart	Load Demand Control
42720	Next Gen Shutdown Threshold	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: Upper Limit: Default:	Indicates kW threshold for gen bus at which the next generator set will load demand stop	Load Demand Control
42727	Genset Bus kW Overload Threshold	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: Upper Limit: Default:	Calculated kW overload threshold based on online capacity and % setting	System Information
42732	Modbus Bus Message Count	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Lower Limit: Upper Limit: Default:	Modbus bus message count	Communications
42733	Modbus CRC Error Count	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Lower Limit: Upper Limit: Default:	Modbus CRC error count	Communications
42734	Modbus Exception Count	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Lower Limit: Upper Limit: Default:	Modbus exception count	Communications
42735	Modbus No Response Count	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Lower Limit: Upper Limit: Default:	Modbus no response count	Communications

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Addr	System Name	Access	Specifications		Description	Function
42736	Modbus Slave Message Count	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Lower Limit: Upper Limit: Default:	Modbus slave message count	Communications
42739	Clock Year	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: year Lower Limit: .000 year Upper Limit: 99.000 year Default:	Use to set or read current year	Real Time Clock
42740	Clock Month	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: month Lower Limit: 1.000 month Upper Limit: 12.000 month Default:	Use to set or read current month	Real Time Clock
42741	Clock Date	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: date Lower Limit: 1.000 date Upper Limit: 31.000 date Default:	Use to set or read current date	Real Time Clock
42742	Clock Hour	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: hour Lower Limit: .000 hour Upper Limit: 23.000 hour Default:	Use to set or read current hour	Real Time Clock
42743	Clock Minute	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: minute Lower Limit: .000 minute Upper Limit: 59.000 minute Default:	Use to set or read current minute	Real Time Clock
42744	Clock Second	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 8 Sign: U	Unit: seconds Lower Limit: .000 seconds Upper Limit: 59.000 seconds Default:	Use to set or read current seconds	Real Time Clock
42746	Start Timer	Read Only	Multiplier: 0.100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: seconds Lower Limit: Upper Limit: Default:	Countdown timer value for generator set start timer	PTC Operating Mode

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Addr	System Name	Access	Specifications		Description	Function
42747	Stop Timer	Read Only	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: seconds Lower Limit: Upper Limit: Default:	Countdown timer value for generator set stop timer	PTC Operating Mode
42748	Low Battery Voltage Threshold	Read Only	Multiplier: 0.010000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: VDC Lower Limit: Upper Limit: Default:	Battery voltage with respect to the set low battery threshold	Battery Voltage Protection
42749	High Battery Voltage Threshold	Read Only	Multiplier: 0.010000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: VDC Lower Limit: Upper Limit: Default:	Battery voltage with respect to set high battery threshold	Battery Voltage Protection

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10 DMC 1000 Modbus Enumerated Data

NOTICE

Earlier versions of software may not support all of the Modbus registers in the following table. If a particular register is not available in your installation, it is possible that the Modbus connection is working but the controller software does not support that particular register.

NOTICE

If an address or bit is not listed in this table it is not implemented.

Addr.	System Name	Access	Specifications		Description	Function
42004	Save Adjustments	Read / Write	Size (bits): 8 Number of Fields: 2	0: Do Nothing 1: Save Trims Default: Do Nothing	Save configuration parameters or adjustments to non-volatile memory. Perform Save Trims after all configurations have been updated. Do not save trims unless a change has occurred.	Controller Information
42011	Genset Run Sequence State	Read Only	Size (bits): 8 Number of Fields: 4	0: Time Delay Start 1: Time Delay Stop 2: Stop 3: Run Default:	Indicates state of the generator set run sequence	PTC Operating Mode
42017	Genset Bus Status	Read Only	Size (bits): 8 Number of Fields: 3	0: Unavailable 1: Dead 2: Live Default:	Energization status of the generator set bus	PTC Sensors
42117	Utility Bus Status	Read Only	Size (bits): 8 Number of Fields: 3	0: Unavailable 1: Dead 2: Live Default:	Energization status of the utility bus	PTC Sensors
42208	Utility Unload Status	Read Only	Size (bits): 8 Number of Fields: 3	0: Not Available 1: Not Unloaded 2: Unloaded Default:	Indicates utility unloaded status	Master Load Control

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Addr.	System Name	Access	Specifications		Description	Function
42209	Genset Unload Status	Read Only	Size (bits): 8 Number of Fields: 3	0: Not Available 1: Not Unloaded 2: Unloaded Default:	Indicates generator set unloaded status	Master Load Control
42210	System State	Read / Write	Size (bits): 8 Number of Fields: 18	0: Not Available 1: TD Start 2: TD Stop 3: TD Programmed Transition 4: TD Transfer 5: TD Retransfer 6: Synchronizing 7: Sync Check OK 8: Inhibit 9: Unassigned 10: Ramp Unload 11: Ramp Load 12: Manual 13: Utility Failure 14: Test 15: Standby 16: Factory Test 17: Extended Parallel Default: Not Available	Indicates what state the control is currently in	System Information
42211	PTC Operating Mode	Read Only	Size (bits): 8 Number of Fields: 6	0: Manual 1: Normal 2: Normal Override 3: Test 4: Utility Fail 5: Extended Parallel Default:	Indicates the current PTC operating mode. Read/Write in Comp mode	PTC Operating Mode
42216	Genset Availability Status	Read Only	Size (bits): 8 Number of Fields: 3	0: Not Available 1: Available 2: Unknown Default:	Indicates availability of generator set for loading as determined by generator set sensors	Availability
42217	Utility Availability Status	Read Only	Size (bits): 8 Number of Fields: 3	0: Not Available 1: Available 2: Unknown Default:	Indicates availability of utility for loading as determined by utility sensors	Availability

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Addr.	System Name	Access	Specifications		Description	Function
42218	Gen CB Position Status	Read Only	Size (bits): 8 Number of Fields: 3	0: Open 1: Closed 2: Not Available Default:	Generator set breaker position	Breaker Control
42219	Util CB Position Status	Read Only	Size (bits): 8 Number of Fields: 3	0: Open 1: Closed 2: Not Available Default:	Utility breaker position	Breaker Control
42224	PTC State	Read Only	Size (bits): 8 Number of Fields: 5	0: Not Enabled 1: No Source Connected 2: Utility Connected 3: Genset Connected 4: Paralleled Default:	Indicates the connected state of the power transfer control Read/Write in Comp.	PTC State Machine
42225	Sync Check Close Allowed	Read Only	Size (bits):8 Number of Fields: 2	0: Not Allowed 1: Allowed Default:	Indicates whether any sync check conditions for have been met	Master Sync Control
42227	Synchronizer Status	Read Only	Size (bits): 8 Number of Fields: 2	0: Synchronizer Off 1: Synchronizer On Default:	Indicates state of the synchronizer	Master Sync Control
42228	System Lockout Status	Read Only	Size (bits): 8 Number of Fields: 2	0: Inactive 1: Active Default:	Faults have occurred which prevent normal system operation; reset faults	System Information
42229	Breaker 1 Position	Read Only	Size (bits): 8 Number of Fields: 3	0: Open 1: Closed 2: Not Available Default: Not Available	Indicates position status of breaker 1	Load Add Shed Control
42230	Breaker 2 Position	Read Only	Size (bits): 8 Number of Fields: 3	0: Open 1: Closed 2: Not Available Default: Not Available	Indicates position status of breaker 2	Load Add Shed Control

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Addr.	System Name	Access	Specifications		Description	Function
42231	Breaker 3 Position	Read Only	Size (bits): 8 Number of Fields: 3	0: Open 1: Closed 2: Not Available Default: Not Available	Indicates position status of breaker 3	Load Add Shed Control
42232	Breaker 4 Position	Read Only	Size (bits): 8 Number of Fields: 3	0: Open 1: Closed 2: Not Available Default: Not Available	Indicates position status of breaker 4	Load Add Shed Control
42233	Breaker 5 Position	Read Only	Size (bits): 8 Number of Fields: 3	0: Open 1: Closed 2: Not Available Default: Not Available	Indicates position status of breaker 5	Load Add Shed Control
42234	Breaker 6 Position	Read Only	Size (bits): 8 Number of Fields: 3	0: Open 1: Closed 2: Not Available Default: Not Available	Indicates position status of breaker 6	Load Add Shed Control
42235	Breaker 1 Trip Status	Read Only	Size (bits): 8 Number of Fields: 3	0: Not Available 1: Normal 2: Tripped Default: Not Available	Indicates trip status of breaker 1	Load Add Shed Control
42236	Breaker 2 Trip Status	Read Only	Size (bits): 8 Number of Fields: 3	0: Not Available 1: Normal 2: Tripped Default: Not Available	Indicates trip status of breaker 2	Load Add Shed Control
42237	Breaker 3 Trip Status	Read Only	Size (bits): 8 Number of Fields: 3	0: Not Available 1: Normal 2: Tripped Default: Not Available	Indicates trip status of breaker 3	Load Add Shed Control
42238	Breaker 4 Trip Status	Read Only	Size (bits): 8 Number of Fields: 3	0: Not Available 1: Normal 2: Tripped Default: Not Available	Indicates trip status of breaker 4	Load Add Shed Control
42239	Breaker 5 Trip Status	Read Only	Size (bits): 8 Number of Fields: 3	0: Not Available 1: Normal 2: Tripped Default: Not Available	Indicates trip status of breaker 5	Load Add Shed Control
42240	Breaker 6 Trip Status	Read Only	Size (bits): 8 Number of Fields: 3	0: Not Available 1: Normal 2: Tripped Default: Not Available	Indicates trip status of breaker 6	Load Add Shed Control

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Addr.	System Name	Access	Specifications		Description	Function
42241	ATS 1 Position	Read Only	Size (bits): 8 Number of Fields: 5	0: Not Available 1: No Source Connected 2: Source 1 Connected 3: Source 2 Connected 4: Paralleled Default: Not Available	Indicates position status of ATS 1	Load Add Shed Control
42242	ATS 2 Position	Read Only	Size (bits): 8 Number of Fields: 5	0: Not Available 1: No Source Connected 2: Source 1 Connected 3: Source 2 Connected 4: Paralleled Default: Not Available	Indicates position status of ATS 3	Load Add Shed Control
42243	ATS 3 Position	Read Only	Size (bits): 8 Number of Fields: 5	0: Not Available 1: No Source Connected 2: Source 1 Connected 3: Source 2 Connected 4: Paralleled Default: Not Available	Indicates position status of ATS 3	Load Add Shed Control
42244	ATS 4 Position	Read Only	Size (bits):8 Number of Fields: 5	0: Not Available 1: No Source Connected 2: Source 1 Connected 3: Source 2 Connected 4: Paralleled Default: Not Available	Indicates position status of ATS 4	Load Add Shed Control
42245	ATS 5 Position	Read Only	Size (bits): 8 Number of Fields: 5	0: Not Available 1: No Source Connected 2: Source 1 Connected 3: Source 2 Connected 4: Paralleled Default: Not Available	Indicates position status of ATS 5	Load Add Shed Control
42246	ATS 6 Position	Read Only	Size (bits): 8 Number of Fields: 5	0: Not Available 1: No Source Connected 2: Source 1 Connected 3: Source 2 Connected 4: Paralleled Default: Not Available	Indicates position status of ATS 6	Load Add Shed Control

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Addr.	System Name	Access	Specifications		Description	Function
42248	PCCNet Communications Status	Read Only	Size (bits): 8 Number of Fields: 3	0: Failed 1: Good 2: Wait Default: Wait	Indicates status of PCCNet	Communications
42249	Expansion Board Communications	Read Only	Size (bits): 8 Number of Fields: 2	0: Disabled 1: Enabled Default: Disabled	Indicates the status of the SID to expansion board connection	Communications
42252	Add Level 1 Command	Read Only	Size (bits): 8 Number of Fields: 2	0: Do Nothing 1: Add Level Default: Do Nothing	Indicates status of add level 1	Load Add Shed Control
42253	Add Level 2 Command	Read Only	Size (bits):8 Number of Fields: 2	0: Do Nothing 1: Add Level Default: Do Nothing	Indicates status of add level 2	Load Add Shed Control
42254	Add Level 3 Command	Read Only	Size (bits): 8 Number of Fields: 2	0: Do Nothing 1: Add Level Default: Do Nothing	Indicates status of add level 3	Load Add Shed Control
42255	Add Level 4 Command	Read Only	Size (bits): 8 Number of Fields: 2	0: Do Nothing 1: Add Level Default: Do Nothing	Indicates status of add level 4	Load Add Shed Control
42256	Add Level 5 Command	Read Only	Size (bits): 8 Number of Fields: 2	0: Do Nothing 1: Add Level Default: Do Nothing	Indicates status of add level 5	Load Add Shed Control
42257	Add Level 6 Command	Read Only	Size (bits): 8 Number of Fields: 2	0: Do Nothing 1: Add Level Default: Do Nothing	Indicates status of add level 6	Load Add Shed Control
42258	Shed Level 1 Command	Read / Write	Size (bits): 8 Number of Fields: 2	0: Do Nothing 1: Shed Level Default: Do Nothing	Indicates status of shed level 1	Load Add Shed Control
42259	Shed Level 2 Command	Read Only	Size (bits): 8 Number of Fields: 2	0: Do Nothing 1: Shed Level Default: Do Nothing	Indicates status of shed level 2	Load Add Shed Control
42260	Shed Level 3 Command	Read / Write	Size (bits): 8 Number of Fields: 2	0: Do Nothing 1: Shed Level Default: Do Nothing	Indicates status of shed level 3	Load Add Shed Control
42261	Shed Level 4 Command	Read Only	Size (bits): 8 Number of Fields: 2	0: Do Nothing 1: Shed Level Default: Do Nothing	Indicates status of shed level 4	Load Add Shed Control

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Addr.	System Name	Access	Specifications		Description	Function
42262	Shed Level 5 Command	Read Only	Size (bits): 8 Number of Fields: 2	0: Do Nothing 1: Shed Level Default: Do Nothing	Indicates status of shed level 5	Load Add Shed Control
42263	Manual add Level 1 Command	Read / Write	Size (bits): 8 Number of Fields: 2	0: Do Nothing 1: Add Level Default: Do Nothing	Operator input to add loads assigned to level 1	Load Add Shed Control
42264	Manual add Level 2 Command	Read / Write	Size (bits): 8 Number of Fields: 2	0: Do Nothing 1: Add Level Default: Do Nothing	Operator input to add loads assigned to level 2	Load Add Shed Control
42265	Manual add Level 3 Command	Read / Write	Size (bits): 8 Number of Fields: 2	0: Do Nothing 1: Add Level Default: Do Nothing	Operator input to add loads assigned to level 3	Load Add Shed Control
42266	Manual add Level 4 Command	Read / Write	Size (bits): 8 Number of Fields: 2	0: Do Nothing 1: Add Level Default: Do Nothing	Operator input to add loads assigned to level 4	Load Add Shed Control
42267	Manual add Level 5 Command	Read / Write	Size (bits): 8 Number of Fields: 2	0: Do Nothing 1: Add Level Default: Do Nothing	Operator input to add loads assigned to level 5	Load Add Shed Control
42268	Manual add Level 6 Command	Read / Write	Size (bits): 8 Number of Fields: 2	0: Do Nothing 1: Add Level Default: Do Nothing	Operator input to add loads assigned to level 6	Load Add Shed Control
42269	Manual Shed Level 1	Read / Write	Size (bits): 8 Number of Fields: 2	0: Do Nothing 1: Shed Level Default: Do Nothing	Operator input to shed loads assigned to level 1	Load Add Shed Control
42270	Manual Shed Level 2	Read / Write	Size (bits): 8 Number of Fields: 2	0: Do Nothing 1: Shed Level Default: Do Nothing	Operator input to shed loads assigned to level 2	Load Add Shed Control
42271	Manual Shed Level 3	Read / Write	Size (bits): 8 Number of Fields: 2	0: Do Nothing 1: Shed Level Default: Do Nothing	Operator input to shed loads assigned to level 3	Load Add Shed Control
42272	Manual Shed Level 4	Read / Write	Size (bits): 8 Number of Fields:2	0: Do Nothing 1: Shed Level Default: Do Nothing	Operator input to shed loads assigned to level 4	Load Add Shed Control
42273	Manual Shed Level 5	Read / Write	Size (bits): 8 Number of Fields: 2	0: Do Nothing 1: Shed Level Default: Do Nothing	Operator input to shed loads assigned to level 5	Load Add Shed Control

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Addr.	System Name	Access	Specifications		Description	Function
42274	Restore Shed Level 1 Command	Read / Write	Size (bits): 8 Number of Fields: 2	0: Do Nothing 1: Restore Level Default: Do Nothing	Indicates if shed level 1 has been restored	Load Add Shed Control
42275	Restore Shed Level 2 Command	Read / Write	Size (bits): 8 Number of Fields: 2	0: Do Nothing 1: Restore Level Default: Do Nothing	Indicates if shed level 2 has been restored	Load Add Shed Control
42276	Restore Shed Level 3 Command	Read / Write	Size (bits): 8 Number of Fields: 2	0: Do Nothing 1: Restore Level Default: Do Nothing	Indicates if shed level 3 has been restored	Load Add Shed Control
42277	Restore Shed Level 4 Command	Read / Write	Size (bits): 8 Number of Fields: 2	0: Do Nothing 1: Restore Level Default: Do Nothing	Indicates if shed level 4 has been restored	Load Add Shed Control
42278	Restore Shed Level 5 Command	Read / Write	Size (bits): 8 Number of Fields: 2	0: Do Nothing 1: Restore Level Default: Do Nothing	Indicates if shed level 5 has been restored	Load Add Shed Control
42279	Add Load 1 Command	Read Only	Size (bits): 8 Number of Fields: 2	0: Do Nothing 1: Add Load Default: Do Nothing	Indicates add command for load 1	Load Add Shed Control
42280	Add Load 2 Command	Read Only	Size (bits): 8 Number of Fields: 2	0: Do Nothing 1: Add Load Default: Do Nothing	Indicates add command for load 2	Load Add Shed Control
42281	Add Load 3 Command	Read Only	Size (bits): 8 Number of Fields: 2	0: Do Nothing 1: Add Load Default: Do Nothing	Indicates add command for load 3	Load Add Shed Control
42282	Add Load 4 Command	Read Only	Size (bits): 8 Number of Fields: 2	0: Do Nothing 1: Add Load Default: Do Nothing	Indicates add command for load 4	Load Add Shed Control
42283	Add Load 5 Command	Read Only	Size (bits): 8 Number of Fields: 2	0: Do Nothing 1: Add Load Default: Do Nothing	Indicates add command for load 5	Load Add Shed Control
42284	Add Load 6 Command	Read Only	Size (bits): 8 Number of Fields: 2	0: Do Nothing 1: Add Load Default: Do Nothing	Indicates add command for load 6	Load Add Shed Control
42285	Shed Load 1 Command	Read Only	Size (bits): 8 Number of Fields: 2	0: Do Nothing 1: Shed Load Default: Do Nothing	Indicates shed command for load 1	Load Add Shed Control
42286	Shed Load 2 Command	Read Only	Size (bits): 8 Number of Fields: 2	0: Do Nothing 1: Shed Load Default: Do Nothing	Indicates shed command for load 2	Load Add Shed Control

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Addr.	System Name	Access	Specifications		Description	Function
42287	Shed Load 3 Command	Read Only	Size (bits): 8 Number of Fields: 2	0: Do Nothing 1: Shed Load Default: Do Nothing	Indicates shed command for load 3	Load Add Shed Control
42288	Shed Load 4 Command	Read Only	Size (bits): 8 Number of Fields: 2	0: Do Nothing 1: Shed Load Default: Do Nothing	Indicates shed command for load 4	Load Add Shed Control
42289	Shed Load 5 Command	Read Only	Size (bits): 8 Number of Fields: 2	0: Do Nothing 1: Shed Load Default: Do Nothing	Indicates shed command for load 5	Load Add Shed Control
42290	Shed Load 6 Command	Read Only	Size (bits): 8 Number of Fields: 2	0: Do Nothing 1: Shed Load Default: Do Nothing	Indicates shed command for load 6	Load Add Shed Control
42296	PTC Genset Operating Mode	Read Only	Size (bits):8 Number of Fields: 6	0: Manual 1: Normal 2: Normal Override 3: Test 4: Utility Fail 5: Extended Parallel Default:	Indicates the current operating mode of the generator sets	PTC Operating Mode
42297	PTC Transfer Pair Operating Mode	Read Only	Size (bits):8 Number of Fields: 6	0: Manual 1: Normal 2: Normal Override 3: Test 4: Utility Fail 5: Extended Parallel Default:	Indicates the current operating mode of the transfer pair	PTC Operating Mode
42298	PTC Operating Transition Type	Read Only	Size (bits): 8 Number of Fields: 3	0: Open Transition 1: Hard Closed Transition 2: Soft Closed Transition Default:	Indicates the transition type currently applicable to the PTC function operation	PTC Operating Mode
42300	System Topology	Read / Write	Size (bits): 8 Number of Fields: 6	0: Master Synchronize Only 1: Isolated Bus w/out GM 2: Isolated Bus w/GM 3: Common Bus 4: Transfer Pair 5: Component Mode Default: Master Synchronize Only	Main setting: Sets system topology; control must be in manual to set	Application Configuration

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Addr.	System Name	Access	Specifications		Description	Function
42301	Transition Type	Read / Write	Size (bits):8 Number of Fields: 3	0: Open Transition 1: Hard Closed Transition 2: Soft Closed Transition Default: Open Transition	Sets the type of transition that will be used	Application Configuration
42302	Extended Parallel Enable	Read / Write	Size (bits): 8 Number of Fields: 2	0: Disabled 1: Enabled Default: Disabled	Use to enable extended paralleling operation	Application Configuration
42303	Load Demand Type	Read / Write	Size (bits): 8 Number of Fields: 3	0: None 1: Fixed Sequence 2: Run Hours Default: None	Sets load demand type	Load Demand Control
42304	Priority Control Method	Read / Write	Size (bits): 8 Number of Fields: 2	0: Manual 1: Automatic Default: Manual	Sets priority control method	Priority Control
42326	Test With Load Enable	Read / Write	Size (bits): 8 Number of Fields: 2	0: Disabled 1: Enabled Default: Disabled	Use to enable or disable load transfer during a test	Application Configuration
42328	Genset Bus kW Setpoint Source	Read / Write	Size (bits):8 Number of Fields: 2	0: Internal 1: Analog Input Default: Internal	selects where the generator set kW setpoint will come from for extended paralleling	Master Load Control
42329	Genset Bus kVAR Setpoint Source	Read / Write	Size (bits):8 Number of Fields: 2	0: Internal 1: Analog Input Default: Internal	Selects where the generator set kVAR setpoint will come from extended paralleling	Master Load Control
42335	Utility Bus kW Setpoint Source	Read / Write	Size (bits):8 Number of Fields: 2	0: Internal 1: Analog Input Default: Internal	Selects where the utility kW setpoint will come from for extended paralleling	Master Load Control
42336	Utility Bus kVAR Setpoint Source	Read / Write	Size (bits):8 Number of Fields: 2	0: Internal 1: Analog Input Default: Internal	Selects where the utility kVAR setpoint will come from extended paralleling	Master Load Control

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Addr.	System Name	Access	Specifications		Description	Function
42342	Clear Fault History Table	Read / Write	Size (bits):8 Number of Fields: 2	0: Inactive 1: Active Default: Inactive	Use to completely clear the fault history table	Fault and Event Info
42343	Clear Occurrence Table	Read / Write	Size (bits):8 Number of Fields: 2	0: Inactive 1: Active Default: Inactive	Use to completely clear the counts in faults and events occurrence tables	Fault and Event Info
42344	Genset Reset All Energy Meters	Read / Write	Size (bits):8 Number of Fields: 2	0: Do Nothing 1: Clear Counters Default: Do Nothing	Use to permanently clear all generator set energy meter values	Energy
42345	Utility Reset All Energy Meters	Read / Write	Size (bits):8 Number of Fields: 2	0: Do Nothing 1: Clear Counters Default: Do Nothing	Use to permanently clear all utility energy meter values	Energy
42346	Extended Paralleling kW Load Control Type	Read / Write	Size (bits):8 Number of Fields: 4	0: Genset % Level (Open Loop) 1: Genset Bus kW (Closed Loop) 2: Genset Bus kW w/Utility (open Loop) 3: Utility Bus kW (Closed Loop) Default: Genset Bus % Level (Open Loop)	Sets how and where the kW will be controlled for extended parallel operation	Master Load Control
42347	Extended Paralleling kVAR Load Control Type	Read / Write	Size (bits):8 Number of Fields: 7	0: Genset Controllers 1: Genset Bus % Level (Open Loop) 2: Genset Bus Power Factor 3: Genset Bus kVAR (Closed Loop) 4: Genset Bus Power Factor (Closed Loop) 5: Utility Bus kVAR (Closed Loop) 6:Utility Bus Power Factor(Closed Loop) Default: Genset Controllers	Sets how and where the kVAR will be controlled for extended parallel operation	Master Load Control

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Addr.	System Name	Access	Specifications		Description	Function
42349	Fail To Sync Lockout Enable	Read / Write	Size (bits):8 Number of Fields: 2	0: Disabled 1: Enabled Default: Disabled	Enable if want synchronizing to stop if fail to sync occurs	Master Sync Control
42350	Fail to Sync Open Transition Retransfer Enable	Read / Write	Size (bits):16 Number of Fields: 2	0: Disabled 1: Enabled Default: Disabled	Use to enable or disable an open transition retransfer upon a fail to sync	PTC State Machine
42352	Gen CB Manual Control	Read / Write	Size (bits):8 Number of Fields: 3	0: Closed Requested 1: No Command 2: Open Command Default: No Command	In manual mode, can be used to semi–manually control the generator set breaker	Breaker Control
42353	Util CB Manual Control	Read / Write	Size (bits):8 Number of Fields: 3	0: Closed Requested 1: No Command 2: Open Command Default: No Command	In manual mode, can be used to semi–manually control the utility breaker	Breaker Control
42357	Synchronizer Polarity	Read / Write	Size (bits):8 Number of Fields: 2	0: Normal 1: Invert Default: Normal	Use to invert synchronizer polarity	Master Sync Control
42358	Synchronize Method	Read / Write	Size (bits):8 Number of Fields: 2	0: Phase Match 1: Slip Frequency Default: Phase Match	Sets the synchronizing method	Master Sync Control
42359	Port Protocol Selection	Read / Write	Size (bits): 8 Number of Fields: 2	0: PCCNet 1: MON Default: PCCNet	Allows protocol CT the PCCNet port to be changed to MON for troubleshooting	Communications
42360	System Scheduler Enable	Read / Write	Size (bits): 8 Number of Fields: 2	0: Disabled 1: Enabled Default: Disabled	Use to enable or disable the system scheduler	System Scheduler
42361	Load Add Shed Enable	Read / Write	Size (bits): 8 Number of Fields: 2	0: Disabled 1: Enabled Default: Disabled	Use to enable or disable the load add shed feature	Load Add Shed Control
42362	Open Transition Retransfer Load Shed Enable	Read / Write	Size (bits): 8 Number of Fields: 2	0: Disabled 1: Enabled Default: Disabled	Use to enable or disable the shedding of loads during open transition retransfer	Load Add Shed Control

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Addr.	System Name	Access	Specifications		Description	Function
42363	Auto/Manual Load Add Restore Mode	Read / Write	Size (bits): 8 Number of Fields: 2	0: Auto 1: Manual Default: Auto	Indicates automatic or manual load add restore operation	Load Add Shed Control
42367	Load 1 Device Type	Read / Write	Size (bits): 8 Number of Fields: 3	0: None 1: Breaker 2: ATS Default: None	Indicates type of load connection to load 1 add shed control and status I/O	Load Add Shed Control
42368	Load 2 Device Type	Read / Write	Size (bits): 8 Number of Fields: 3	0: None 1: Breaker 2: ATS Default: None	Indicates type of load connection to load 2 add shed control and status I/O	Load Add Shed Control
42369	Load 3 Device Type	Read / Write	Size (bits): 8 Number of Fields: 3	0: None 1: Breaker 2: ATS Default: None	Indicates type of load connection to load 3 add shed control and status I/O	Load Add Shed Control
42370	Load 4 Device Type	Read / Write	Size (bits): 8 Number of Fields: 3	0: None 1: Breaker 2: ATS Default: None	Indicates type of load connection to load 4 add shed control and status I/O	Load Add Shed Control
42371	Load 5 Device Type	Read / Write	Size (bits): 8 Number of Fields: 3	0: None 1: Breaker 2: ATS Default: None	Indicates type of load connection to load 5 add shed control and status I/O	Load Add Shed Control
42372	Load 6 Device Type	Read / Write	Size (bits):8 Number of Fields: 3	0: None 1: Breaker 2: ATS Default: None	Indicates type of load connected to load 6 add shed control and status I/O	Load Add Shed Control
42385	Genset Bus Overload Method	Read / Write	Size (bits):8 Number of Fields: 3	0: Both kW and Frequency 1: kW Only 2: Frequency Only Default: Both kW and Frequency	Use to choose method for determining generator bus overload condition	System Information

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Addr.	System Name	Access	Specifications		Description	Function
42390	Load Demand Enable	Read / Write	Size (bits):8 Number of Fields: 2	0: Disabled 1: Enabled Default: Disabled	Use to enable or disable the load demand feature	Load Demand Control
42391	Load Demand GenA	Read / Write	Size (bits): 8 Number of Fields: 4	0: Gen1 1: Gen2 2: Gen3 3: Gen4 Default: Gen1	Sets GenA for fixed sequence load demand	Load Demand Control
42392	Load Demand GenB	Read / Write	Size (bits):8 Number of Fields: 4	0: Gen1 1: Gen2 2: Gen3 3: Gen4 Default: Gen2	Sets GenB for fixed sequence load demand	Load Demand Control
42393	Load Demand GenC	Read / Write	Size (bits):8 Number of Fields: 4	0: Gen1 1: Gen2 2: Gen3 3: Gen4 Default: Gen3	Sets GenC for fixed sequence load demand	Load Demand Control
42394	Load Demand GenD	Read / Write	Size (bits):8 Number of Fields: 4	0: Gen1 1: Gen2 2: Gen3 3: Gen4 Default: Gen4	Sets GenD (first to stop) for fixed sequence load demand	Load Demand Control
42413	System Phase Rotation	Read / Write	Size (bits):8 Number of Fields: 2	0: L1–L2–L3 1:L1–L3–L2 Default: L1–L2–L3	Defines what the system phase rotation sequence is	System Information
42419	Scheduler Program x Enable	Read / Write	Size (bits):8 Number of Fields: 2	0: Disable 1: Enable Default: Disable	Use to enable or disable the selected program	System Scheduler

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Addr.	System Name	Access	Specifications		Description	Function
42420	Scheduler Program x Repeat Interval	Read / Write	Size (bits):8 Number of Fields: 11	0: Once 1: Every Week 2: Every 2 Weeks 3: Every 3 Weeks 4: Every 4 Weeks 5: Every 5 Weeks 6: First Week of Month 7: Second Week of Month 8: Third Week of month 9: Forth Week of the Month 10: Last Week of the Month Default: Once	Use to adjust repeat interval for the selected program	System Scheduler
42421	Scheduler Program x Run Mode	Read / Write	Size (bits): 8 Number of Fields: 3	0: No Load 1: With Load 2: Extended Parallel Default: No Load	Use to adjust run mode for the selected program	System Scheduler
42422	Scheduler Program x Start Day	Read / Write	Size (bits): 8 Number of Fields: 7	0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday Default: Sunday	Use to adjust start day of week for the selected program	System Scheduler
42428	Scheduler Exception x Enable	Read / Write	Size (bits): 8 Number of Fields: 2	0: Disable 1: Enable Default: Disable	Use to enable or disable the selected exception	System Scheduler
42429	Scheduler Exception x Repeat	Read / Write	Size (bits): 8 Number of Fields: 2	0: Once Only 1: Every Year Default: Once Only	Use to adjust the repeat setting of the selected exception	System Scheduler
42437	Daylight Saving Time Enable	Read / Write	Size (bits): 8 Number of Fields: 2	0: Disabled 1: Enabled Default: Disabled	Enables the daylight savings time feature	Real Time Clock
42438	Load Demand Refresh Sequence Command	Read / Write	Size (bits): 8 Number of Fields: 2	0: Do Nothing 1: Refresh Sequence Default: Do Nothing	Use to force a refresh of the active load demand sequence	Load Demand Control

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Addr.	System Name	Access	Specifications		Description	Function
42439	Genset Connection Type	Read / Write	Size (bits):8 Number of Fields: 2	0: Wye 1: Delta Default: Wye	Delta or Wye for generator set connection	AC Setup
42443	Genset CT Secondary Current	Read / Write	Size (bits): 8 Number of Fields: 2	0: 1 Amp 1: 5 Amp Default: 5 Amp	Generator set CT secondary current	AC Setup
42444	Utility Connection Type	Read / Write	Size (bits): 8 Number of Fields: 2	0: Wye 1: Delta Default: Wye	Delta or Wye for utility connection	AC Setup
42448	Utility CT Secondary Current	Read / Write	Size (bits): 8 Number of Fields: 2	0: 1 Amp 1: 5 Amp Default: 5 Amp	Utility CT secondary current	AC Setup
42454	Nominal Battery Voltage	Read / Write	Size (bits): 8 Number of Fields: 2	0: 12V 1: 24V Default: 24V	DC voltage provided to the control	Battery Voltage Protection
42461	Genset Online Capacity Sensor Enable	Read / Write	Size (bits): 8 Number of Fields: 2	0: Disable 1: Enable Default: Disable	Use to enable or disable the generator set online capacity sensor	PTC Sensors
42472	Gen Bus Base Load Status	Read Only	Size (bits):8 Number of Fields: 2	0: Inactive 1: Active Default:	Indicates that the generator bus is on base load extended paralleling	System Information
42473	Util Bus Peak Shave Status	Read Only	Size (bits): 8 Number of Fields: 2	0: Inactive 1: Active Default:	Indicates that the utility bus is on peak shave extended paralleling	System Information
42600	Extended Parallel Start Vol	Read / Write	Size (bits): 8 Number of Fields: 2	0: Stop 1: Start Default: Stop	State of extended parallel start volatile input	Discrete Inputs
42601	Synchronizer Enable Vol	Read / Write	Size (bits): 8 Number of Fields: 2	0: inactive 1: Active Default: inactive	State of synchronizer enable volatile input	Discrete Inputs
42602	Utility Source Failure Vol	Read / Write	Size (bits): 8 Number of Fields: 2	0: inactive 1: Active Default: inactive	State of utility source failure volatile input	Discrete Inputs
42603	Transfer Inhibit Vol	Read / Write	Size (bits):16 Number of Fields: 2	0: No Inhibit 1: Inhibit Default: No Inhibit	State of transfer inhibit volatile input	Discrete Inputs

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Addr.	System Name	Access	Specifications		Description	Function
42604	Retransfer Inhibit Vol	Read / Write	Size (bits):8 Number of Fields: 2	0: No Inhibit 1: Inhibit Default: No Inhibit	State of retransfer inhibit volatile input	Discrete Inputs
42605	Gen CB Inhibit Vol	Read / Write	Size (bits): 8 Number of Fields: 2	0: No Inhibit 1: Inhibit Default: No Inhibit	State of generator CB inhibit volatile input	Discrete Inputs
42606	Util CB Inhibit Vol	Read / Write	Size (bits): 8 Number of Fields: 2	0: No Inhibit 1: Inhibit Default: No Inhibit	State of utility CB inhibit volatile input	Discrete Inputs
42607	Auto/Manual Vol	Read / Write	Size (bits): 8 Number of Fields: 2	0: Auto 1: Manual Default: Auto	State of auto/manual volatile input	Discrete Inputs
42608	Test Start Vol	Read / Write	Size (bits): 8 Number of Fields: 2	0: Stop 1: Start Default: Stop	State of test start volatile input	Discrete Inputs
42609	Fault Reset Vol	Read / Write	Size (bits): 8 Number of Fields: 2	0: Not Reset 1: Reset Default: Not Reset	State of fault reset volatile input	Discrete Inputs
42610	Override Vol	Read / Write	Size (bits): 8 Number of Fields: 2	0: No Override 1: Override Default: No Override	State of override volatile input	Discrete Inputs
42611	Extended Parallel Start Sw	Read Only	Size (bits): 8 Number of Fields: 2	0: Start 1: Stop Default:	State of extended parallel start input	Discrete Inputs
42612	Synchronizer Enable Sw	Read Only	Size (bits): 8 Number of Fields: 2	0: Inactive 1: Active Default:	State of synchronizer enable input	Discrete Inputs
42613	Utility Source Failure Sw	Read Only	Size (bits): 8 Number of Fields: 2	0: Inactive 1: Active Default:	State of utility source failure input	Discrete Inputs
42614	Transfer Inhibit Sw	Read Only	Size (bits): 8 Number of Fields: 2	0: No Inhibit 1: Inhibit Default:	State of transfer inhibit input	Discrete Inputs
42615	Retransfer Inhibit Sw	Read Only	Size (bits): 8 Number of Fields: 2	0: No Inhibit 1: Inhibit Default:	State of retransfer inhibit input	Discrete Inputs
42616	Gen CB Inhibit Sw	Read Only	Size (bits): 8 Number of Fields: 2	0: No Inhibit 1: Inhibit Default:	Sate of generator CB inhibit input	Discrete Inputs

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Addr.	System Name	Access	Specifications		Description	Function
42617	Util CB Inhibit Sw	Read Only	Size (bits): 8 Number of Fields: 2	0: No Inhibit 1: Inhibit Default:	State of utility CB inhibit input	Discrete Inputs
42618	Auto/Manual Sw	Read Only	Size (bits): 8 Number of Fields: 2	0: Auto 1: Manual Default:	State of auto/manual input	Discrete Inputs
42619	Test Start Sw	Read Only	Size (bits): 8 Number of Fields: 2	0: Stop 1: Start Default:	State of test start input	Discrete Inputs
42620	Fault Reset Sw	Read Only	Size (bits): 8 Number of Fields: 2	0: No Reset 1: Reset Default:	State of fault reset input	Discrete Inputs
42621	Override Sw	Read Only	Size (bits): 8 Number of Fields: 2	0: No Override 1: Override Default:	State of override input	Discrete Inputs
42622	Master Inhibit	Read Only	Size (bits): 8 Number of Fields: 2	0: No Inhibit 1: Inhibit Default:	Indicates state of Master priority inhibit	Priority Control
42623	Gen CB Tripped Sw	Read Only	Size (bits): 8 Number of Fields: 2	0: Inactive 1: Active Default:	State of generator CB tripped input	Discrete Inputs
42624	Gen CB Tripped Vol	Read / Write	Size (bits): 8 Number of Fields: 2	0: Inactive 1: Active Default: Inactive	State of generator CB tripped volatile input	Discrete Inputs
42625	Util CB Tripped Sw	Read Only	Size (bits): 8 Number of Fields: 2	0: Inactive 1: Active Default:	State of utility CB tripped input	Discrete Inputs
42626	Util Cb Tripped Vol	Read / Write	Size (bits): 8 Number of Fields: 4	0: Inactive 1: Active Default: Inactive	State of utility CB tripped volatile input	Discrete Inputs
42627	Genset Phase Rotation	Read Only	Size (bits): 8 Number of Fields: 2	0: L1–L2–L3 1: L1–L3–L2 Default:	Generator set phase rotation	Phase
42628	Utility Phase Rotation	Read Only	Size (bits): 8 Number of Fields: 2	0: L1–L2–L3 1: L1–L3–L2 Default:	Utility phase rotation	Phase
42629	Gen1 CB Position Sw	Read Only	Size (bits): 8 Number of Fields: 2	0: Breaker Open 1: Breaker Closed Default:	State of Gen1 CB position input	Discrete Inputs

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Addr.	System Name	Access	Specifications		Description	Function
42630	Gen1 CB Position Vol	Read / Write	Size (bits): 8 Number of Fields: 2	0: Breaker Open 1: Breaker Closed Default: Open	State of Gen1 CB position volatile input	Discrete Inputs
42631	Gen2 CB Position Sw	Read Only	Size (bits): 8 Number of Fields: 2	0: Breaker Open 1: Breaker Closed Default:	State of Gen2 CB position input	Discrete Inputs
42632	Gen2 CB Position Vol	Read / Write	Size (bits): 8 Number of Fields: 2	0: Breaker Open 1: Breaker Closed Default: Open	State of Gen2 CB position volatile input	Discrete Inputs
42633	Gen3 CB Position Sw	Read Only	Size (bits):16 Number of Fields: 2	0: Breaker Open 1: Breaker Closed Default:	State of Gen3 CB position input	Discrete Inputs
42634	Gen3 CB Position Vol	Read / Write	Size (bits): 8 Number of Fields: 2	0: Breaker Open 1: Breaker Closed Default: Open	State of Gen3 CB position volatile input	Discrete Inputs
42635	Gen4 CB Position Sw	Read Only	Size (bits): 8 Number of Fields: 2	0: Breaker Open 1: Breaker Closed Default:	State of Gen4 CB position input	Discrete Inputs
42636	Gen4 CB Position Vol	Read / Write	Size (bits): 8 Number of Fields: 2	0: Breaker Open 1: Breaker Closed Default: Open	State of Gen4 CB position volatile input	Discrete Inputs
42637	Network Master Inhibit	Read / Write	Size (bits): 8 Number of Fields: 2	0: No Inhibit 1: Inhibit Default: No Inhibit	Use to manually inhibit the module	Priority Control
42700	Gen1 Availability State	Read Only	Size (bits): 8 Number of Fields: 5	0: Gen Does Not Exist 1: Offline 2: Waiting for Gen 3: Online 4: Failed Default:	For load demand use - Indicates status of Gen1	Load Demand Control
42701	Gen2 Availability State	Read Only	Size (bits): 8 Number of Fields: 5	0: Gen Does Not Exist 1: Offline 2: Waiting for Gen 3: Online 4: Failed Default:	For load demand use - Indicates status of Gen2	Load Demand Control
42702	Gen3 Availability State	Read Only	Size (bits): 8 Number of Fields: 5	0:Gen Does Not Exist 1: Offline 2: Waiting for Gen 3: Online 4: Failed Default:	For load demand use - Indicates status of Gen3	Load Demand Control

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Addr.	System Name	Access	Specifications		Description	Function
42703	Gen4 Availability State	Read Only	Size (bits): 8 Number of Fields: 5	0:Gen Does Not Exist 1: Offline 2: Waiting for Gen 3: Online 4: Failed Default:	For load demand use - Indicates status of Gen4	Load Demand Control
42712	GenA	Read Only	Size (bits): 8 Number of Fields: 4	0: Gen1 1: Gen2 2: Gen3 3: Gen4 Default:	Indicates which generator set is currently GenA for load demand	Load Demand Control
42713	GenB	Read Only	Size (bits): 8 Number of Fields: 4	0: Gen1 1: Gen2 1: Gen3 1: Gen4 Default:	Indicates which generator set is currently GenB for load demand	Load Demand Control
42714	GenC	Read Only	Size (bits): 8 Number of Fields: 4	0: Gen1 1: Gen2 1: Gen3 1: Gen4 Default:	Indicates which generator set is currently GenC for load demand	Load Demand Control
42715	GenD	Read Only	Size (bits): 8 Number of Fields: 4	0: Gen1 1: Gen2 1: Gen3 1: Gen4 Default:	Indicates which generator set is currently GenD (first to stop) for load demand	Load Demand Control
42716	Load Demand State	Read Only	Size (bits): 8 Number of Fields: 3	0: Off 1: Initial Delay Timing 2: Load Monitor Default:	Indicates operating state of the load demand control	Load Demand Control
42721	Next Gen To Restart	Read Only	Size (bits): 8 Number of Fields: 5	0: Gen1 1: Gen2 2: Gen3 3: Gen4 4: None Default:	Indicates which generator set is next to be restarted if load conditions are met	Load Demand Control
42722	Next Gen To Shutdown	Read Only	Size (bits): 8 Number of Fields: 5	0: Gen1 1: Gen2 2: Gen3 3: Gen4 4: None Default:	Indicates which generator set is next to be stopped if load conditions are met	Load Demand Control

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Addr.	System Name	Access	Specifications		Description	Function
42723	Load Demand Gen1 Driver Status	Read Only	Size (bits): 8 Number of Fields: 2	0: Run 1: Load Demand Stop Default:	Status of the load demand Gen1 driver output	Discrete Outputs
42724	Load Demand Gen2 Driver Status	Read Only	Size (bits): 8 Number of Fields: 2	0: Run 1: Load Demand Stop Default:	Status of the load demand Gen2 driver output	Discrete Outputs
42725	Load Demand Gen3 Driver Status	Read Only	Size (bits): 8 Number of Fields: 2	0: Run 1: Load Demand Stop Default:	Status of the load demand Gen3 driver output	Discrete Outputs
42726	Load Demand Gen4 Driver Status	Read Only	Size (bits): 8 Number of Fields: 2	0: Run 1: Load Demand Stop Default:	Status of the load demand Gen4 driver output	Discrete Outputs
42728	Genset Bus kW Overload Status	Read Only	Size (bits): 8 Number of Fields: 2	0: No Overload 1: Overload Default:	Indicates whether generator bus is overloaded based on kW	System Information
42729	Genset Bus Underfrequency Overload Status	Read Only	Size (bits): 8 Number of Fields: 2	0: No Overload 1: Overload Default:	Indicates whether generator bus is overloaded based on frequency	System Information

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Addr.	System Name	Access	Specifications		Description	Function
42730	Active Schedule	Read Only	Size (bits): 8 Number of Fields: 19	0: None 1: Program 1 2: Program 2 3: Program 3 4: Program 4 5: Program 5 6: Program 6 7: Program 7 8: Program 8 9: Program 9 10: Program 10 11: Program 11 12: Program 12 13: Exception 1 14: Exception 2 15: Exception 3 16: Exception 4 17: Exception 5 18: Exception 6 Default:	Indicates the currently active scheduler program or exception	System Scheduler
42731	Scheduler Run Command	Read Only	Size (bits): 8 Number of Fields: 4	0: Off 1: No Load 2: With Load 3: Extended Parallel Default:	Indicates current run command coming from the scheduler function	System Scheduler
42737	Modbus Clear Counters	Read / Write	Size (bits): 8 Number of Fields: 2	0: Do Nothing 1: Clear Counters Default: Do Nothing	Clears all the Modbus counters	Communications
42738	Clock Mode	Read / Write	Size (bits): 8 Number of Fields: 3	0: Normal 1: Set Clock 2: Save Clock Default: Normal	Use to set clock and save setting	Real Time Clock
42745	Clock Day	Read Only	Size (bits): 8 Number of Fields: 7	0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday Default:	Indicates day of week for current date	Real Time Clock

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11 DMC 1000 Modbus Bitmap Data

NOTICE

Earlier versions of software may not support all of the Modbus registers in the following table. If a particular register is not available in your installation, it is possible that the Modbus connection is working but the controller software does not support that particular register.

NOTICE

If an address or bit is not listed in this table, it is not implemented.

Addr.	Bit#	System Name	Fault Code	Event Name	Response
42500	0	Fault Status Bitmap 1	1455	Utility Main Breaker Position Contact Warning	Warning
42500	1	Fault Status Bitmap 1	2396	Utility Main Breaker Fail To Close Warning	Warning
42500	2	Fault Status Bitmap 1	2397	Utility Main Breaker Fail To Open Warning	Warning
42500	3	Fault Status Bitmap 1	1219	Utility Main Breaker Tripped Warning	Warning
42500	4	Fault Status Bitmap 1	1914	Utility Bus Phase Rotation Warning	Warning
42500	5	Fault Status Bitmap 1	1912	Utility Bus Loss Of Phase Warning	Warning
42500	6	Fault Status Bitmap 1	2331	Utility Bus Undervoltage Warning	Warning
42500	7	Fault Status Bitmap 1	2358	Utility Bus Overvoltage Warning	Warning
42500	8	Fault Status Bitmap 1	1223	Utility Bus Frequency Warning	Warning
42500	24	Fault Status Bitmap 1	2648	Remote I/O Communication Failure Warning	Warning
42500	25	Fault Status Bitmap 1	1689	Real Time Clock Power Interrupt Warning	Warning

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Addr.	Bit#	System Name	Fault Code	Event Name	Response
42500	26	Fault Status Bitmap 1	1335	AC Metering Out Of Range Warning	Warning
42500	27	Fault Status Bitmap 1	1999	Maximum Parallel Time Warning	Warning
42500	28	Fault Status Bitmap 1	343	Hardware Failure Warning	Warning
42500	29	Fault Status Bitmap 1	1456	Synchronizer Output Limit Warning	Warning
42500	30	Fault Status Bitmap 1	2416	Calibration Checksum Warning	Warning
42500	31	Fault Status Bitmap 1	353	EEPROM Write Error Warning	Warning
42502	0	Fault Status Bitmap 2	1454	Genset Main Breaker Position Contact Warning	Warning
42502	1	Fault Status Bitmap 2	1452	Genset Main Breaker Fail To Close Warning	Warning
42502	2	Fault Status Bitmap 2	1453	Genset Main Breaker Tripped Warning	Warning
42502	3	Fault Status Bitmap 2	1328	Genset Bus Phase Rotation Warning	Warning
42502	4	Fault Status Bitmap 2	1915	Genset Bus Phase Rotation Warning	Warning
42502	5	Fault Status Bitmap 2	1913	Genset Bus Loss Of Phase Warning	Warning
42502	6	Fault Status Bitmap 2	1225	Genset Bus Undervoltage Warning	Warning
42502	7	Fault Status Bitmap 2	1224	Genset Bus Overvoltage Warning	Warning
42502	8	Fault Status Bitmap 2	1226	Genset Bus Frequency Warning	Warning
42502	24	Fault Status Bitmap 2	1541	Genset Failed To Come Online Warning	Warning

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Addr.	Bit#	System Name	Fault Code	Event Name	Response
42502	25	Fault Status Bitmap 2	2647	Load Demand Setup Warning	Warning
42502	26	Fault Status Bitmap 2	1444	Genset Bus Overload Warning	Warning
42502	27	Fault Status Bitmap 2	1989	kW Load Control Output Limit Warning	Warning
42502	28	Fault Status Bitmap 2	1991	kVAR Load Control Output Limit Warning	Warning
42502	29	Fault Status Bitmap 2	1121	Fail To Disconnect Warning	Warning
42502	30	Fault Status Bitmap 2	1458	Synchronizer Phase Rotation Mismatch Warning	Warning
42502	31	Fault Status Bitmap 2	1457	Fail To Synchronizer Warning	Warning
42505	0	Event Status Bitmap 1	1222	Not in Automatic Event	Event
42505	1	Event Status Bitmap 1	1483	Common Warning Event	Event
42505	2	Event Status Bitmap 1	2965	Genset Bus Available Event	Event
42505	3	Event Status Bitmap 1	2328	Utility Bus Available Event	Event
42505	4	Event Status Bitmap 1	2333	Genset Bus Connected Event	Event
42505	5	Event Status Bitmap 1	2332	Utility Bus Connected Event	Event
42505	6	Event Status Bitmap 1	2971	Test / Extended Parallel Event	Event
42505	7	Event Status Bitmap 1	1916	Synchronized Event	Event
42505	8	Event Status Bitmap 1	1534	Load Control Output Event	Event

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12 DMC 1500 Communication Server 1

12.1 Modbus Address: 2 (Slave)

NOTICE
If an address or bit is not listed in this table, it is not implemented.

NOTICE
The external device can read 1-40 contiguous registers, write 1-40 contiguous registers, or read diagnostic counters.

Modbus Address	Bit #	Alarm Event
40001	0 (LSB)	Utility Main Breaker Position Contact Warning
40001	1	Utility Main Breaker Fail To Close Warning
40001	2	Utility Main Breaker Fail To Open Warning
40001	3	Utility Main Breaker Tripped Warning
40001	4	Utility Bus Phase Rotation Warning
40001	5	Utility Bus Loss of Phase Warning
40001	6	Utility Bus Undervoltage Warning
40001	7	Utility Bus Overvoltage Warning
40001	8	Utility Bus Frequency Warning
40001	9	Remote IO Comm Failure Warning
40001	10	Real Time Clock Power Interrupt Warning
40001	11	AC Metering Out Of Range Warning
40001	12	Maximum Parallel Time Warning
40001	13	Not Implemented
40001	14	Synchronizer Output Limit Warning
40001	15 (MSB)	Calibration Checksum Warning MCM 3320

Modbus Address	Bit #	Alarm Event
40002	0 (LSB)	EEPROM Write Error Warning MCM 3320
40002	1	Genset Main Breaker Position Contact Warning
40002	2	Genset Main Breaker Fail to Close Warning
40002	3	Genset Main Breaker Fail to Open Warning

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Modbus Address	Bit #	Alarm Event
40002	4	Genset Main Breaker Tripped Warning
40002	5	Genset Bus Phase Rotation Warning
40002	6	Genset Bus Loss of Phase Warning
40002	7	Genset Bus Undervoltage Warning
40002	8	Genset Bus Overvoltage Warning
40002	9	Genset Bus Frequency Warning
40002	10	Low Battery Voltage Warning MCM 3320
40002	11	High Battery Voltage Warning MCM 3320
40002	12	Genset Failed to Come Online Warning
40002	13	Load Demand Setup Warning
40002	14	Genset Bus Over Load Limit Warning
40002	15 (MSB)	kW Load Control Output Limit Warning

Modbus Address	Bit #	Alarm Event
40003	0 (LSB)	kVAR Load Control Output Limit Warning
40003	1	Fail to Disconnect Warning
40003	2	Synchronizer Phase Rotation Mismatch Warning
40003	3	Fail to Synchronize Warning
40003	4	Normal Operation Lockout
40003	5	Common Warning MCM 3320
40003	6	Common Server 1 to Network ATS Comm Failure
40003	7	Common Server 1 to MCM3320 Comm Failure
40003	8	Common Server 1 Battery Warning
40003	9	Common Server 1 Comm Server 2 Comm Failure
40003	10	Not Implemented
40003	11	Not Implemented
40003	12	Not Implemented
40003	13	Not Implemented
40003	14	Not Implemented
40003	15 (MSB)	Not Implemented

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Modbus Address	Bit #	Alarm Event
40004	0 (LSB)	Feeder Breaker 1 Trip
40004	1	Feeder Breaker 2 Trip
40004	2	Feeder Breaker 3 Trip
40004	3	Feeder Breaker 4 Trip
40004	4	Feeder Breaker 5 Trip
40004	5	Feeder Breaker 6 Trip
40004	6	Feeder Breaker 7 Trip
40004	7	Feeder Breaker 8 Trip
40004	8	Feeder Breaker 9 Trip
40004	9	Feeder Breaker 10 Trip
40004	10	Not Implemented
40004	11	Not Implemented
40004	12	Not Implemented
40004	13	Not Implemented
40004	14	Not Implemented
40004	15 (MSB)	Not Implemented

NOTICE
40005 is not implemented.

Modbus Address	Bit #	Alarm Event
40006	0 (LSB)	System in Auto-Opened Transition
40006	1	System in Auto-Hard Closed Transition
40006	2	System in Auto-Soft Closed Transition
40006	3	System Manual Mode Active
40006	4	System Automatic Mode Active
40006	5	Common Warning Event
40006	6	Genset Bus Available Event
40006	7	Utility Bus Available Event
40006	8	Genset Bus Connected Event
40006	9	Utility Bus Connected Event
40006	10	Synchronized Event
40006	11	Load Control Output Event

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Modbus Address	Bit #	Alarm Event
40006	12	Genset Source Unloaded Event
40006	13	Utility Source Unloaded Event
40006	14	Genset Bus Load Event
40006	15 (MSB)	Utility Bus Peak Shave Event

Modbus Address	Bit #	Alarm Event
40007	**0 (LSB)**	Extended Paralleling Enable
40007	1	Extended Paralleling Disable
40007	2	System in Extended Parallel
40007	3	System in Test with Load
40007	4	System in Test without Load
40007	5	System Test Off
40007	6	Load Demand Enable
40007	7	Load Demand Disable
40007	8	Extended Parallel Off
40007	9	Not Implemented
40007	10	Not Implemented
40007	11	Not Implemented
40007	12	Not Implemented
40007	13	Not Implemented
40007	**1**4	Not Implemented
40007	15 (MSB)	Not Implemented

12.2 Generator Set Bus Data

Generator Bus Data	MB Address	Data Type	Multiplier	Units
Generator Set L1N Volts	40009	16U	1	Volts
Generator Set L2N Volts	40010	16U	1	Volts
Generator Set L3N Volts	40011	16U	1	Volts
Generator Set LN Average Volt	40012	16U	1	Volts
Generator set L1L2 Volts	40013	16U	1	Volts
Generator Set L2L3 Volts	40014	16U	1	Volts
Generator Set L3L1 Volts	40015	16U	1	Volts
Generator Set LL Average Volts	40016	16U	1	Volts

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Generator Bus Data	MB Address	Data Type	Multiplier	Units
Generator Set L1 Current	40017	16U	1	Amps
Generator Set L2 Current	40018	16U	1	Amps
Generator Set L3 Current	40019	16U	1	Amps
Generator Set Average Current	40020	16U	1	Amps
Generator Set L1 kW	40021	16S	1	kW
Generator Set L2 kW	40022	16S	1	kW
Generator Set L3 kW	40023	6S	1	kW
Generator Set Total kW	40024	16S	1	kW
Generator Set L1 kVAR	40025	16S	1	kVAR
Generator Set L2 kVAR	40026	16S	1	kVAR
Generator Set L3 kVAR	40027	16S	1	kVAR
Generator Set Total kVAR	40028	16S	1	kVAR
Generator Set Total Power Factor	40029	16S	0.01	
Generator Set L1 kVA	40030	16U	1	kVA
Generator Set L2 kVA	40031	16U	1	kVA
Generator Set L3 kVA	40032	16U	1	kVA
Generator Set Total kVA	40033	16U	1	kVA
MB Generator Set Frequency	40034	16U	0.1	Hz
Generator Set Total Negative kWh	40035	32U	1	kWh
	40036			
Generator Set Total Positive kWh	40037	32U	1	kWh
	40038			
Generator Set Total Net kWh	40039	32S	1	kWh
	40040			
Generator Set Total Negative kVARh	40041	32U	1	kVARh
	40042			
Generator Set Total Positive kVARh	40043	32U	1	kVARh
	40044			
Generator Set Total Net kVARh	40045	32S	1	kVARh
	40046			
Generator Set Total kVAh	40047	32U	1	kVAh
	40048			
Generator Set Available Current	40049	16U	1	Amps
Generator Set L1 Current Percent	40050	16U	0.1	%

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Generator Bus Data	MB Address	Data Type	Multiplier	Units
Generator Set L2 Current Percent	40051	16U	0.1	%
Generator Set L3 Current Percent	40052	16U	0.1	%
Generator Set Total kW Percent	40053	16U	0.1	%
Generator Set Frequency Percent	40054	16S	0.1	%
Generator Set L1L2 Voltage Percent	40055	16U	0.1	%
Generator Set L2L3 Voltage Percent	40056	16U	0.1	%
Generator Set L3L1 Voltage Percent	40057	16U	0.1	%

12.3 Utility Bus Data

Utility Bus Data	MB Address	Data Type	Multiplier	Units
Utility L1N Voltage	40059	16U	1	Volts
Utility L2N Voltage	40060	16U	1	Volts
Utility L3N Voltage	40061	16U	1	Volts
Utility LN Average Voltage	40062	16U	1	Volts
Utility L1L2 Voltage	40063	16U	1	Volts
Utility L2L3 Voltage	40064	16U	1	Volts
Utility L3L1 Voltage	40065	16U	1	Volts
Utility LL Average Voltage	40066	16U	1	Volts
Utility L1 Current	40067	16U	1	Amps
Utility L2 Current	40068	16U	1	Amps
Utility L3 Current	40069	16U	1	Amps
Utility Average Current	40070	16U	1	Amps
Utility L1 kW	40071	16S	1	kW
Utility L2 kW	40072	16S	1	kW
Utility L3 kW	40073	16S	1	kW
Utility Total kW	40074	16S	1	kW
Utility L1 kVAR	40075	16S	1	kVAR
Utility L2 kVAR	40076	16S	1	kVAR
Utility L3 kVAR	40077	16S	1	kVAR
Utility Total kVAR	40078	16S	1	kVAR
Utility Total Power Factor	40079	16S	0.01	
Utility L1 kVA	40080	16U	1	kVA
Utility L2 kVA	40081	16U	1	kVA

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Utility Bus Data	MB Address	Data Type	Multiplier	Units
Utility L3 kVA	40082	16U	1	kVA
Utility Total kVA	40083	16U	1	kVA
MB Utility Frequency	40084	16U	0.1	Hz
Utility Total Negative kWh	40085	32U	1	kWh
	40086			
Utility Total Positive kWh	40087	32U	1	kWh
	40088			
Utility Total Net kWh	40089	32S	1	kWh
	40090			
Utility Total Negative kVARh	40091	32U	1	kVARh
	40092			
Utility Total Positive kVARh	40093	32U	1	kVARh
	40094			
Utility Total Net kVARh	40095	32S	1	kVARh
	40096			
Utility Total kVAh	40097	32U	1	kVAh
	40098			
System Total kW	40099	16S	1	kW
System Total kVAR	40100	16S	0.01	kVAR
System Total Power Factor	40101	16S	1	
System Total kVA	40102	16U	1	KVA

12.4 ATS 1-5 DATA

ATS Raw Data	ATS 1	ATS 2	ATS 3	ATS 4	ATS 5	Multiplier	Units
Device Type	40257	40317	40377	40437	40497		
Mode (See **Table 14 on page 531**)	40258	40318	40378	40438	40498		
State (See **Table 13 on page 531**)	40259	40319	40379	40439	40499		
Fault Code	40260	40320	40380	40440	40500		
Fault Type (See **Table 15 on page 532**)	40261	40321	40381	40441	40501		
Percent Amps	40262	40322	40382	40442	40502	0.5	%
Total kW	40263	40323	40383	40443	40503		
NFPA 110 (See **Table 10 on page 458**)	40264	40324	40384	40444	40504		

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ATS Raw Data	ATS 1	ATS 2	ATS 3	ATS 4	ATS 5	Multiplier	Units
NFPA Extended(See Table 11 on page 458)	40265	40325	40385	40445	40505		
Frequency Load	40266	40326	40386	40446	40506	0.1	Hz
Total pf Load	40267	40327	40387	40447	40507	0.00005	pf
Total kVA Load	40268	40328	40388	40448	40508		kVA
Total kW Load	40269	40329	40389	40449	40509		kW
Total kVAR Load	40270	40330	40390	40450	40510		kVAR
Volts ab Load	40271	40331	40391	40451	40511		Volts
Volts bc Load	40272	40332	40392	40452	40512		Volts
Volts ca Load	40273	40333	40393	40453	40513		Volts
Volts a Load	40274	40334	40394	40454	40514		Volts
Volts b Load	40275	40335	40395	40455	40515		Volt
Volts c Load	40276	40336	40396	40456	40516		Volts
Amps a Load	40277	40337	40397	40457	40517		Amps
Amps b Load	40278	40338	40398	40458	40518		Amps
Amps c Load	40279	40339	40399	40459	40519		Amps
Percent Amps a Load	40280	40340	40400	40460	40520	0.5	%
Percent Amps b Load	40281	40341	40401	40461	40521	0.5	%
Percent Amps c Load	40282	40342	40402	40462	40522	0.5	%
Frequency SRC1	40283	40343	40403	40463	40523	0.1	Hz
Total pf SRC1	40284	40344	40404	40464	40524	0.00005	PF
Total kVA SRC1	40285	40345	40405	40465	40525		
Total kW SRC1	40286	40346	40406	40466	40526		
Total kVAR SRC1	40287	40347	40407	40467	40527		
Volts ab SRC1	40288	40348	40408	40468	40528		
Volts bc SRC1	40289	40349	40409	40469	40529		
Volts ca SRC1	40290	40350	40410	40470	40530		
Volts a SRC1	40291	40351	40411	40471	40531		
Volts b SRC1	40292	40352	40412	40472	40532		Volts
Volts c SRC1	40293	40353	40413	40473	40533		
Amps a SCR1	40294	40354	40414	40474	40534		Amps
Amps b SCR1	40295	40355	40415	40475	40535		
Amps c SRC1	40296	40356	40416	40476	40536		
Percent Amps a SCR1	40297	40357	40417	40477	40537	0.5	%

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ATS Raw Data	ATS 1	ATS 2	ATS 3	ATS 4	ATS 5	Multiplier	Units
Percent Amps b SCR1	40298	40358	40418	40478	40538	0.5	%
Percent Amps c SCR1	40299	40359	40419	40479	40539	0.5	%
Frequency SRC2	40300	40360	40420	40480	40540	0.1	Hz
Total pf SRC2	40301	40361	40421	40481	40541	0.00005	pf
Total kVA SRC2	40302	40362	40422	40482	40542		kVA
Total kW SRC2	40303	40363	40423	40483	40543		kW
Total kVAR SRC2	40304	40364	40424	40484	40544		kVAR
Volts ab SRC2	40305	40365	40425	40485	40545		Volts
Volts bc SRC2	40306	40366	40426	40486	40546		Volts
Volts ca SRC2	40307	40367	40427	40487	40547		Volts
Volts a SRC2	40308	40368	40428	40488	40548		Volts
Volts b SRC2	40309	40369	40429	40489	40549		Volts
Volts c SRC2	40310	40370	40430	40490	40550		Volts
Amps a SRC2	40311	40371	40431	40491	40551		Amps
Amps b SRC2	40312	40372	40432	40492	40552		Amps
Amps c SRC2	40313	40373	40433	40493	40553		Amps
Percent Amps a SRC2	40314	40374	40434	40494	40554	0.5	%
Percent Amps b SRC2	40315	40375	40435	40495	40555	0.5	%
Percent Amps c SRC2	40316	40376	40436	40496	40556	0.5	%

12.5 Word Data

Reference Tables ATS 1-5 and 6-10.

TABLE 13.

Digital	State
0	Neutral
1	Source 1 Connected
2	Source 2 Connected
3	Source 1 and 2 Connected

TABLE 14.

Digital	Mode
0	Test
1	Utility / Genset

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2	Utility / Utility
3	Genset / Genset

TABLE 15.

Digital	Fault Type
0	No Faults
1	Warning

12.6 ATS 6-10 DATA

ATS Raw Data	ATS 6	ATS 7	ATS 8	ATS 9	ATS 10	Multiplier	Units
Device Type	40557	40617	40677	40737	40797		
Mode (See **Table 14 on page 531**)	40558	40618	40678	40738	40798		
State (See **Table 13 on page 531**)	40559	40619	40679	40739	40799		
Fault Code	40560	40620	40680	40740	40800		
Fault Type (See **Table 15 on page 532**)	40561	40621	40681	40741	40801		
Percent Amps	40562	40622	40682	40742	40802	0.5	%
Total kW	40563	40623	40683	40743	40803		
NFPA 110 (See **Table 8 on page 457**)	40564	40624	40684	40744	40804		
NFPA Extended (See **Table 9 on page 457**)	40565	40625	40685	40745	40805		
Frequency Load	40566	40626	40686	40746	40806	0.1	Hz
Total pf Load	40567	40627	40687	40747	40807	0.00005	PF
Total kVA Load	40568	40628	40688	40748	40808		kVA
Total kW Load	40569	40629	40689	40749	40809		kW
Total kVAR Load	40570	40630	40690	40750	40810		kVAR
Volts ab Load	40571	40631	40691	40751	40811		Volts
Volts bc Load	40572	40632	40692	40752	40812		Volts
Volts ca Load	40573	40633	40693	40753	40813		Volts
Volts a Load	40574	40634	40694	40754	40814		Volts
Volts b Load	40575	40635	40695	40755	40815		Volts
Volts c Load	40576	40636	40696	40756	40816		Volts
Amps a Load	40577	40637	40697	40757	40817		Amps
Amps b Load	40578	40638	40698	40758	40818		Amps

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ATS Raw Data	ATS 6	ATS 7	ATS 8	ATS 9	ATS 10	Multiplier	Units
Amps c Load	40579	40639	40699	40759	40819		Amps
Percent Amps a Load	40580	40640	40700	40760	40820	0.5	%
Percent Amps b Load	40581	40641	40701	40761	40821	0.5	%
Percent Amps c Load	40582	40642	40702	40762	40822	0.5	%
Frequency SRC1	40583	40643	40703	40763	40823	0.1	Hz
Total pf SRC1	40584	40644	40704	40764	40824	0.00005	PF
Total kVA SRC1	40585	40645	40705	40765	40825		kVA
Total kW SRC1	40586	40646	40706	40766	40826		kW
Total kVAR SRC1	40587	40647	40707	40767	40827		kVAR
Volts bc SRC1	40588	40648	40708	40868	40828		Volts
Volts bc SRC1	40589	40649	40709	40869	40829		Volts
Volts ca SRC1	40590	40650	40710	40870	40830		Volts
Volts a SRC1	40591	40651	40711	40871	40831		Volts
Volts b SRC1	40592	40652	40712	40872	40832		Volts
Volts c SRC1	40593	40653	40713	40873	40833		Volts
Amps a SCR1	40594	40654	40714	40874	40834		Amps
Amps b SCR1	40595	40655	40715	40875	40835		Amps
Amps c SRC1	40596	40656	40716	40876	40836		Amps
Percent Amps a SCR1	40597	40657	40717	40777	40837	0.5	%
Percent Amps b SCR1	40598	40658	40718	40778	40838	0.5	%
Percent Amps c SCR1	40599	40659	40719	40779	40839	0.5	%
Frequency SRC2	40600	40660	40720	40780	40840	0.1	Hz
Total pf SRC2	40601	40661	40721	40781	40841	0.00005	pf
Total KVA SRC2	40602	40662	40722	40782	40842		kVA
Total kW SRC2	40603	40663	40723	40783	40843		kW
Total KVAR SRC2	40604	40664	40724	40784	40844		kVAR
Volts ab SRC2	40605	40665	40725	40785	40845		Volts
Volts bc SRC2	40606	40666	40726	40786	40846		Volts
Volts ca SRC2	40607	40667	40727	40787	40847		Volts
Volts a SRC2	40608	40668	40728	40788	40848		Volts
Volts b SRC2	40609	40669	40729	40789	40849		Volts
Volts c SRC2	40610	40670	40730	40790	40850		Volts
Amps a SRC2	40611	40671	40731	40791	40851		Amps
Amps b SRC2	40612	40672	40732	40792	40852		Amps

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ATS Raw Data	ATS 6	ATS 7	ATS 8	ATS 9	ATS 10	Multiplier	Units
Amps c SRC2	40613	40673	40733	40793	40853		Amps
Percent Amps a SRC2	40614	40674	40734	40794	40854	0.5	%
Percent Amps b SRC2	40615	40675	40735	40795	40855	0.5	%
Percent Amps c SRC2	40616	40676	40736	40796	40856	0.5	%

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13 DMC 1500 Communication Server 2

13.1 Modbus Address: 1 (Slave)

NOTICE
If an address or bit is not listed in this table, it is not implemented.

NOTICE
The external device can read 1-40 contiguous registers, write 1-40 contiguous registers, or read diagnostic counters.

Modbus Address	Bit #	Alarm Event
40001	0 (LSB)	Neutral Earthing 1 Fail to Open Warning
40001	1	Neutral Earthing 2 Fail to Open Warning
40001	2	Neutral Earthing 3 Fail to Open Warning
40001	3	Neutral Earthing 4 Fail to Open Warning
40001	4	Neutral Earthing 5 Fail to Open Warning
40001	5	Neutral Earthing 6 Fail to Open Warning
40001	6	Neutral Earthing 7 Fail to Open Warning
40001	7	Neutral Earthing 8 Fail to Open Warning
40001	8	Neutral Earthing 1 Fail to Closed Warning
40001	9	Neutral Earthing 2 Fail to Closed Warning
40001	10	Neutral Earthing 3 Fail to Closed Warning
40001	11	Neutral Earthing 4 Fail to Closed Warning
40001	12	Neutral Earthing 5 Fail to Closed Warning
40001	13	Neutral Earthing 6 Fail to Closed Warning
40001	14	Neutral Earthing 7 Fail to Closed Warning
40001	15 (MSB)	Neutral Earthing 8 Fail to Closed Warning

Modbus Address	Bit #	Alarm Event
40002	0 (LSB)	Neutral Earthing 1 Tripped Warning
40002	1	Neutral Earthing 2 Tripped Warning
40002	2	Neutral Earthing 3 Tripped Warning
40002	3	Neutral Earthing 4 Tripped Warning

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Modbus Address	Bit #	Alarm Event
40002	4	Neutral Earthing 5 Tripped Warning
40002	5	Neutral Earthing 6 Tripped Warning
40002	6	Neutral Earthing 7 Tripped Warning
40002	7	Neutral Earthing 8 Tripped Warning
40002	8	Undergrounded Bus Warning
40002	9	Undergrounded Bus Failure - System Shutdown
40002	10	Multiple NECs Connected
40002	11	Multiple System Grounds Connected
40002	12	Not Implemented
40002	13	Not Implemented
40002	14	Not Implemented
40002	15 (MSB)	Not Implemented

Modbus Address	Bit #	Alarm Event
40003	0 (LSB)	Station Battery Power Supply Fault
40003	1	UPS Fault
40003	2	On Station Battery Warning
40003	3	System Manual Mode Active
40003	4	Utility Failure
40003	5	Utility Out of Limits for Extended Parallel
40003	6	Common Server 2 Battery Warning
40003	7	System Emergency Stop
40003	8	Hardware Failure Warning MCM 3320
40003	9	Not Implemented
40003	10	Not Implemented
40003	11	Not Implemented
40003	12	Not Implemented
40003	13	Not Implemented
40003	14	Not Implemented
40003	15 (MSB)	Not Implemented

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Modbus Address	Bit #	Alarm Event
40004	0 (LSB)	Illegal Genset Node Address Assignment
40004	1	Not Implemented
40004	2	Not Implemented
40004	3	Comm Server 2 to Comm Server 1 Comm Failure
40004	4	Manufacturing Test Mode Active
40004	5	Not Implemented
40004	6	Not Implemented
40004	7	Not Implemented
40004	8	Comm Server 2 to Genset 1 Comm Failure
40004	9	Comm Server 2 to Genset 2 Comm Failure
40004	10	Comm Server 2 to Genset 3 Comm Failure
40004	11	Comm Server 2 to Genset 4 Comm Failure
40004	12	Comm Server 2 to Genset 5 Comm Failure
40004	13	Comm Server 2 to Genset 6 Comm Failure
40004	14	Comm Server 2 to Genset 7 Comm Failure
40004	15 (MSB)	Comm Server 2 to Genset 8 Comm Failure

NOTICE
40005 is unused.

Modbus Address	Bit #	Alarm Event
40006	0 (LSB)	Gen 1 Breaker Closed
40006	1	Gen 2 Breaker Closed
40006	2	Gen 3 Breaker Closed
40006	3	Gen 4 Breaker Closed
40006	4	Gen 5 Breaker Closed
40006	5	Gen 6 Breaker Closed
40006	6	Gen 7 Breaker Closed
40006	7	Gen 8 Breaker Closed
40006	8	Gen 1 Breaker Open
40006	9	Gen 2 Breaker Open
40006	10	Gen 3 Breaker Open
40006	11	Gen 4 Breaker Open

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Modbus Address	Bit #	Alarm Event
40006	12	Gen 5 Breaker Open
40006	13	Gen 6 Breaker Open
40006	14	Gen 7 Breaker Open
40006	15 (MSB)	Gen 8 Breaker Open

Modbus Address	Bit #	Alarm Event
40007	**0 (LSB)**	Gen 1 Running
40007	1	Gen 2 Running
40007	2	Gen 3 Running
40007	3	Gen 4 Running
40007	4	Gen 5 Running
40007	5	Gen 6 Running
40007	6	Gen 7 Running
40007	7	Gen 8 Running
40007	8	Gen 1 Fault
40007	9	Gen 2 Fault
40007	10	Gen 3 Fault
40007	11	Gen 4 Fault
40007	12	Gen 5 Fault
40007	13	Gen 6 Fault
40007	14	Gen 7 Fault
40007	15 (MSB)	Gen 8 Fault

Modbus Address	Bit #	Alarm Event
40008	0 (LSB)	Gen 1 Shut Down in Load Demand
40008	1	Gen 2 Shut Down in Load Demand
40008	2	Gen 3 Shut Down in Load Demand
40008	3	Gen 4 Shut Down in Load Demand
40008	4	Gen 5 Shut Down in Load Demand
40008	5	Gen 6 Shut Down in Load Demand
40008	6	Gen 7 Shut Down in Load Demand
40008	7	Gen 8 Shut Down in Load Demand
40008	8	Gen Start Signal On MCM 3320

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Modbus Address	Bit #	Alarm Event
40008	9	Gen Start Signal Off MCM 3320
40008	10	Gen Main Breaker Closed
40008	11	Gen Main Breaker Opened
40008	12	Utility Main Breaker Closed
40008	13	Utility Main Breaker Opened
40008	14	Utility Failure
40008	15 (MSB)	Return to Utility

Modbus Address	Bit #	Alarm Event
40009	0 (LSB)	Remote Commands Enable
40009	1	Remote Commands Disable
40009	2	Remote Test On
40009	3	Remote Test Off
40009	4	Remote Extended Parallel On
40009	5	Remote Extended Parallel Off
40009	6	Remote Transfer Inhibit On
40009	7	Remote Transfer Inhibit Off
40009	8	Remote Retransfer Inhibit On
40009	9	Remote Retransfer Inhibit Off
40009	10	Auto Genset Start Inhibit in Manual Mode Enable
40009	11	Auto Genset Start Inhibit in Manual Mode Disable
40009	12	Not Implemented
40009	13	Not Implemented
40009	14	Not Implemented
40009	15 (MSB)	Not Implemented

13.2 Generator Raw Data Gen 1-5

Generator Raw Data	Gen 1	Gen 2	Gen 3	Gen 4	Gen 5	Multiplier	Units
Device Type	40011	40066	40121	40176	40231		
Control Switch (See **Table 22 on page 543**)	40012	40067	40122	40177	40232		
State (See **Table 16 on page 541**)	40013	40068	40123	40178	40233		
Fault Code	40014	40069	40124	40179	40234		

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Generator Raw Data	Gen 1	Gen 2	Gen 3	Gen 4	Gen 5	Multiplier	Units
Fault Type (See**Table 21 on page 543**)	40015	40070	40125	40180	40235		
Percent kW Standby	40016	40071	40126	40181	40236	0.5	%
Total kW	40017	40072	40127	40182	40237		
NFPA 110 (See **Table 8 on page 457**)	40018	40073	40128	40183	40238		
NFPA Extended (See **Table 9 on page 457**)	40019	40074	40129	40184	40239		
Frequency	40020	40075	40130	40185	40240	0.1	Hz
Total pf	40021	40076	40131	40186	40241	0.00005	pf
Total kVA	40022	40077	40132	40187	40242		kVA
Total kW	40023	40078	40133	40188	40243		kW
Total kVAR	40024	40079	40134	40189	40244		kVAR
Volts ab	40025	40080	40135	40190	40245		Volts
Volts bc	40026	40081	40136	40191	40246		Volts
Volts ca	40027	40082	40137	40192	40247		Volts
Volts a	40028	40083	40138	40193	40248		Volts
Volts b	40029	40084	40139	40194	40249		Volt
Volts c	40030	40085	40140	40195	40250		Volts
Amps a	40031	40086	40141	40196	40251		Amps
Amps b	40032	40087	40142	40197	40252		Amps
Amps c	40033	40088	40143	40198	40253		Amps
Percent Amps a	40034	40089	40144	40199	40254	0.5	%
Percent Amps b	40035	40090	40145	40200	40255	0.5	%
Percent Amps c	40036	40091	40146	40201	40256	0.5	%
Battery Voltage	40037	40092	40147	40202	40257	0.1	Volts
Oil Pressure	40038	40093	40148	40203	40258	0.1	kPa
Oil Temp	40039	40094	40149	40204	40259	0.1	Deg K
Coolant Temp	40040	40095	40150	40205	40260	0.1	Deg K
Fuel Rate	40041	40096	40151	40206	40261	0.001	GPH
Engine RPM	40042	40097	40152	40207	40262		RPM
Engine Starts	40043	40098	40153	40208	40263		Starts
Engine Runtime High	40044	40099	40154	40209	40264		
Engine Runtime Low	40045	40100	40155	40210	40265	0.1	Sec
Total kWH High	40046	40101	40156	40211	40266		

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Generator Raw Data	Gen 1	Gen 2	Gen 3	Gen 4	Gen 5	Multiplier	Units
Total kWH Low	40047	40102	40157	40212	40267		KWH
Total Fuel High	40048	40103	40158	40213	40268		
Total Fuel Low	40049	40104	40159	40214	40269	0.01	GAL
Bus Frequency	40050	40105	40160	40215	40270	0.1	Hz
Bus Volts ab	40051	40106	40161	40216	40271		Volts
Bus Volts bc	40052	40107	40162	40217	40272		Volts
Bus Volts ca	40053	40108	40163	40218	40273		Volts
Bus Volts a	40054	40109	40164	40219	40274		Volts
Bus Volts b	40055	40110	40165	40220	40275		Volts
Bus Volts c	40056	40111	40166	40221	40276		Volts
Customer Faults	40057	40112	40167	40222	40277		
Network Faults	40058	40113	40168	40223	40278		
Customer Faults	40059	40114	40169	40224	40279		
ES State (See **Table 17 on page 542**)	40060	40115	40170	40225	40280		
Load Share State (See **Table 18 on page 542**)	40061	40116	40171	40226	40281		
Load Govern State kW (See **Table 22 on page 543**)	40062	40117	40172	40227	40282		
Load Govern State kVAR (See**Table 20 on page 542**)	40063	40118	40173	40228	40283		

13.3 Word Data

Reference the ATS 6-1 and 6-10 tables in Section 8.

TABLE 16.

Digital	State
0	Stopped
1	Start Pending
2	Warm-up at Idle
3	Running
4	Cooldown at Rated
5	Cooldown at idle

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TABLE 17.

Digital	ES State
0	Standby
1	Dead Bus Close
2	Synchronizing
3	Load Share
4	Load Govern

TABLE 18.

Digital	Load Share State
0	Not in Load Share
1	Track Load
2	Ramp Load
3	Ramp Unload
4	Load Demand Shutdown

TABLE 19.

Digital	Load Govern State kW
0	NA
1	Ramp Load
2	Track Target Load
3	Ramp Unload
4	Ramp Unload Done

TABLE 20.

Digital	Load Govern State kVAR
0	NA
1	Ramp Load
2	Track Target Load
3	Ramp Unload
4	Ramp Unload Done

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TABLE 21.

Digital	Fault Type
0	Normal
1	Warning
2	Derate
3	Shutdown with Cooldown
4	Shutdown

TABLE 22.

Digital	Control Switch
0	Off
1	Manual
2	Automatic

13.4 Generator Raw Data Gen 6-8

Generator Raw Data	Gen 6	Gen 7	Gen 8	Multiplier	Units
Device Type	40286	40341	40396		
Control Switch (See **Table 22 on page 543**)	40287	40342	40397		
State (See **Table 16 on page 541**)	40288	40343	40398		
Fault Code	40289	40344	40399		
Fault Type (See **Table 21 on page 543**)	40290	40345	40400		
Percent kW Standby	40291	40346	40401	0.5	%
Total kW	40292	40347	40402		
NFPA 110 (See **Table 10 on page 458**)	40293	40348	40403		
NFPA Extended (See **Table 11 on page 458**)	40294	40349	40404		
Frequency	40295	40350	40405	0.1	Hz
Total pf	40296	40351	40406	0.00005	PF
Total kVA	40297	40352	40407		kVA
Total kW	40298	40353	40408		kW
Total kVAR	40299	40354	40409		kVAR
Volts ab	40300	40355	40410		Volts
Volts bc	40301	40356	40411		Volts
Volts ca	40302	40357	40412		Volts

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Generator Raw Data	Gen 6	Gen 7	Gen 8	Multiplier	Units
Volts a	40303	40358	40413		Volts
Volts b	40304	40359	40414		Volts
Volts c	40305	40360	40415		Volts
Amps a	40306	40361	40416		Amps
Amps b	40307	40362	40417		Amps
Amps c	40308	40363	40418		Amps
Percent Amps a	40309	40364	40419	0.5	%
Percent Amps b	40310	40365	40420	0.5	%
Percent Amps c	40311	40366	40421	0.5	%
Battery Voltage	40312	40367	40422	0.1	Volts
Oil Pressure	40313	40368	40423	0.1	kPa
Oil Temp	40314	40369	40424	0.1	Deg K
Coolant Temp	40315	40370	40425	0.1	Deg K
Fuel Rate	40316	40371	40426	0.001	GPH
Engine RPM	40317	40372	40427		RPM
Engine Starts	40318	40373	40428		Starts
Engine Runtime High	40319	40374	40429		
Engine Runtime Low	40320	40375	40430	0.1	Sec
Total kWH High	40321	40376	40431		
Total kWH Low	40322	40377	40432		KWH
Total Fuel High	40323	40378	40433		
Total Fuel Low	40324	40379	40434	0.01	GAL
Bus Frequency	40325	40380	40435	0.1	Hz
Bus Volts ab	40326	40381	40436		Volts
Bus Volts bc	40327	40382	40437		Volts
Bus Volts ca	40328	40383	40438		Volts
Bus Volts a	40329	40384	40439		Volts
Bus Volts b	40330	40385	40440		Volts
Bus Volts c	40331	40386	40441		Volts
Customer Faults	40332	40387	40442		
Network Faults	40333	40388	40443		
Customer Faults	40334	40389	40444		
ES State (See **Table 17 on page 542**)	40335	40390	40445		

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Generator Raw Data	Gen 6	Gen 7	Gen 8	Multiplier	Units
Load Share State (See **Table 18 on page 542**)	40336	40391	40446		
Load Govern State kW (See **Table 19 on page 542**)	40337	40392	40447		
Load Govern State kVAR (See **Table 20 on page 542**)	40338	40393	40448		

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14 MCM3320 Modbus Register Map

14.1 Modbus Communications

This section defines the Modbus communications interface. Serial communications use an RTU (Remote Terminal Unit) two-wire RS485 multi-drop network configuration described in the Modbus Protocol Reference Guide. The Cummins control is a Slave unit.

14.2 Reference Documents

1. “Modbus Over Serial Line Specification and Implementation Guide V1.02" describes the lower levels of Modbus protocol.
2. “Modbus Application Protocol Specification V1.1b3" describes the application layer of the Modbus protocol.

14.3 Serial Port Configuration

The port communications occur, by default, at a baud rate of 19200 using eight data bits, one stop-bit with even parity, and are configurable via MON and PCCNet logically.

14.4 Device Addresses

The PLC is the Master device in the Modbus network. The Modbus node address is configurable and is set to node 1 by default.

14.5 Power-Up Time

The MCM3320 is capable of supporting communication transactions within 10 seconds following initial power-up.

14.6 Response Time

The controller responds within 100 ms of a request for information from the Master.

14.7 Data Formatting

The format for each register is defined in the Modbus register table.

All data parameters are transmitted as registers. All registers are two 8 bit bytes in length (16 bits per register). If a register requires more than 16 bits, then, the subsequent registers are also used. Therefore, with a 32 bit register X and X+1, the X register contains the upper 16 bits of data and the X+1 register contains the lower 16 bits. A register with 1 bit of data uses the least significant bit of a 16 bit register.

For all discrete data referenced a by bit number, the least significant bit for the register is numbered as 0 inch and the most significant bit as 15 inch. For all fault statuses and event statuses, a 1 inch indicates the fault or event is active and a 0 inch indicates inactive.

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14.8 Modbus Activity LED

The Modbus activity LED is on when either the control is receiving a Modbus packet or sending a Modbus packet. It is also on when a protocol timer is in timer mode. This precedes a protocol switch on the SCI1 port. Otherwise, the LED is off.

14.9 Supported Functions

The controller is only capable of processing the following Modbus data and control function queries from the Master:

- Read holding registers (Function Code 03)
- Preset single register (Function Code 06)
- Diagnostics (Function Code 08)
- Preset multiple registers (Function Code 16)

The control responds to any query containing a function code, other than codes 03, 06, 08 and 16, by sending an exception response with the exception code set to 01 (Illegal Function).

The control responds to any read of a single address that is not defined in this specification by sending an exception response with the exception code set to 02 (Illegal Address).

The control responds to any read of a block of 2 or more addresses containing an address that is not defined in this specification by returning data of 0xFFFF for that address.

The control responds to Preset Single Register and Preset Multiple Register functions when the data is out of bounds by sending an exception response with the exception code set to 03 (Illegal Data Value).

14.10 Holding Register Function

The control provides the ability to read all read only and read/write registers in the Modbus Registers Table via the Holding Register function. From 1 to 40 contiguous registers can be read at a time. If an attempt is made to read a register that's not available, then an error is returned and none of the data will be returned.

14.11 Preset Single/Preset Multiple Registers Function

The control provides the ability to write to (preset) Read/Write registers in the Modbus registers table via both the preset single register (Function Code 06) and the preset multiple registers (Function Code 16). A write to a single register can be performed by the Master using the Modbus data and control function query preset single register (Function Code 06). For writes requiring writes to 1 to 40 contiguous registers, the Master uses the Modbus data and control function query called preset multiple registers (Function Code 16). If a write attempt is made and any of the data is invalid or if an attempt is made to write to a register that's not available, then an error is returned and none of the data will be written.

14.12 Diagnostic Counters

The following diagnostic counters is also available via the Modbus diagnostic function (Function Code 08). The following parameters are updated and available via MON and Modbus logical access. A single logical is also available to clear all counters.

- Bus Message Count - Total Modbus packets on bus
- CRC Errors Count - Total Modbus packets received with a bad CRC

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- Exception Count - Total Modbus packets received where an exception was sent back
- No Response Count - Total Modbus packets received where no response sent back
- Slave Message Count - Total Modbus packets on bus addressed to this node

14.13 Register Maps

Addresses were assigned to maintain compatibility with the existing Modlon gateway where applicable. The following conventions are followed:

- 40xxx - Genset control registers
- 41xxx - Transfer switch control register
- 42xxx - Master control registers (MCM3320)
- 4x0xx - General data registers (volts, current, etc.) primarily for genset bus
- 4x1xx - General data registers (volts, current, etc.) primarily for utility bus
- 4x2xx - Configuration and status registers - Block 1
- 4x3xx - Settings - Block 1
- 4x4xx - Settings - Block 2
- 4x5xx - Bitmap
- 4x6xx - Switch I/O
- 4x7xx - Configuration and status registers - Block 2

14.14 Application Layer

The application layer processes the packet. Four functions are supported: Read Hold Registers, Set Single Register, Modbus Loopback, and Set Multiple Registers. If the request packet specifies an unsupported function, then an illegal function response is returned. See the "Modbus Application Protocol Specification" to see how the request and response packets are formatted and how each function processes the data.

14.15 Read Hold Registers

Given a starting address and the quantity of registers desired, this function gets the data, formats it if required, and writes it to the TX buffer. If any register in the range is not supported, then an error is returned.

14.16 Set Single Register

Given a register address and data, this function verifies that the data is within range; then if OK, writes the data.

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14.17 Modbus Loopback

This function performs Modbus diagnostic functionality. Some of the functionality defined here is also available via MON and PCCNet logicals. See the "Diagnostic Counters" section of this document for details. The Loopback function supports:

- 0x00 Return Query Data
- 0x01 Restart
- 0x04 Force Listen Only Mode
- 0x0A Clear Counter
- 0x0B Return Bus Message Count
- 0x0C Return Bus Communication Error Count (bad CRC)
- 0x0D Return Bus Exception Error Count
- 0x0E Return Slave Message Count
- 0x0F Return Slave No Response Count

14.18 Set Multiple Registers

Given a starting address, the quantity of registers, and two bytes of data for each register, this function verifies that all the data is within range; then if OK, writes all data. If any register in the range is not supported or any of the data is out of range then an error is returned and no data is written. A 32-bit parameter is written using "Write Multiple Register" (Command Code 16) only. Using "Write Single Register" (Command Code 06) returns an exception code 2 - Illegal Address. If both registers are not in the same block, the control sends an exception code 2-Illegal Address.

14.19 Modbus Register Table

NOTICE
Earlier versions of software may not support all of the Modbus registers in the following table. If a particular register is not available in your installation, it is possible that the Modbus connection is working but the controller software does not support that particular register.

NOTICE
If an address or bit is not listed in this table it is not implemented.

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Addr.	System Name	Access	Specifications		Description	Function
42001	MB logical Read Address	Read / Write	Multiplier: 1.000000000000 Offset: 0 Size (bits):16 Sign: U	Unit: NA Lower Limit: .000 Upper Limit: 65535.000 Default: 0	Logical address to be read via Modbus	Communications
42002	MB Logical Read Data	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: U	Unit: NA Lower Limit: Upper Limit: Default:	Logical data to be read via Modbus	Communications
42004	Save Adjustments	Read / Write	0: Do Nothing 1: Save Trims Default: Do Nothing		Save configuration parameters or adjustments to non-volatile memory. Perform Save Trims after all configurations have been updated. Do not save trims unless a change has occurred.	Controller Information
42009	Device Type	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits):16 Sign: U	Unit: NA Lower Limit: Upper Limit: Default:	Hard coded device type id= 52 (0x0034)	Communications
42010	Software Version	Read Only	Multiplier: .000100000000 Offset: 0 Size (bits):16 Sign: U	Unit: NA Lower Limit: Upper Limit: Default:	Software version number	Controller Information
42011	Genset Run Sequence State	Read Only	0: Time Delay Start 1: Time Delay Stop 2: Stop 3: Run Default:		Indicates state of the generator set run sequence	PTC Operating Mode
42012	Current Fault Status	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits):16 Sign: U	Unit: NA Lower Limit: Upper Limit: Default:	The most recently occurring fault which is still active	Fault and Event Information

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Addr.	System Name	Access	Specifications		Description	Function
42017	Genset Bus Status	Read Only	0: Unavailable 1: Dead 2: Live Default:		Energization status of generator Set bus	PTC Sensors
42018	Genset L1N Voltage	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Volts Lower Limit: Volts Upper Limit: Volts Default	Generator set L1N voltage	Voltage
42019	Genset L2N Voltage	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Volts Lower Limit: Volts Upper Limit: Volts Default:	Generator set L2N voltage	Voltage
42020	Genset L3N Voltage	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Volts Lower Limit: Volts Upper Limit: Volts Default:	Generator set L3N voltage	Voltage
42021	Genset LN Average Voltage	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Volts Lower Limit: Volts Upper Limit: Volts Default:	Generator set LN average voltage	Voltage
42022	Genset L1L2 Voltage	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Volts Lower Limit: Volts Upper Limit: Volts Default:	Generator set L1L2 voltage	Voltage
42023	Genset L2L3 Voltage	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Volts Lower Limit: Volts Upper Limit: Volts Default	Generator set L2L3 voltage	Voltage
42024	Genset L3L1 Voltage	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Volts Lower Limit: Volts Upper Limit: Volts Default	Generator set L3L1 voltage.	Voltage
42025	Genset LL Average Voltage	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Volts Lower Limit: Volts Upper Limit: Volts Default	Generator set LL Average voltage	Voltage

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Addr.	System Name	Access	Specifications		Description	Function
42026	Genset L1 Current	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Amps Lower Limit: Amps Upper Limit: Amps Default	Generator set L1 current	Current
42027	Genset L2 Current	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Amps Lower Limit: Amps Upper Limit: Amps Default	Generator set L2 current	Current
42028	Genset L3 Current	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Amps Lower Limit: Amps Upper Limit: Amps Default:	Generator set L3 current	Current
42029	Genset Average Current	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Amps Lower Limit: Amps Upper Limit: Amps Default:	Generator set average current	Current
42030	Genset L1 kW	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: kW Upper Limit: kW Default:	Generator set L1 kW	Power
42031	Genset L2 kW	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: kW Upper Limit: kW Default:	Generator set L2 kW	Power
42032	Genset L3 kW	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: kW Upper Limit: kW Default:	Generator set L3 kW	Power
42033	Genset Total kW	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: kW Upper Limit: kW Default:	Generator set total kW	Power

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Addr.	System Name	Access	Specifications		Description	Function
42034	Genset L1 kVAR	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kVAR Lower Limit: kVAR Upper Limit: kVAR Default:	Generator set L1 kVAR	Power
42035	Genset L2 kVAR	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kVAR Lower Limit: kVAR Upper Limit: kVAR Default:	Generator set L2 kVAR	Power
42036	Genset L3 kVAR	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kVAR Lower Limit: kVAR Upper Limit: kVAR Default:	Generator set L3 kVAR	Power
42037	Genset Total kVAR	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kVAR Lower Limit: kVAR Upper Limit: kVAR Default:	Generator set total kVAR	Power
42038	Genset Total Power Factor	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: NA Lower Limit: Upper Limit: Default:	Generator set L1 power factor	Power
42039	Genset L1 kVA	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: kVA Lower Limit: kVA Upper Limit: kVA Default:	Generator set L1 kVA	Power
42040	Genset L2 kVA	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: kVA Lower Limit: kVA Upper Limit: kVA Default:	Generator set L2 kVA	Power
42041	Genset L3 kVA	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: kVA Lower Limit: kVA Upper Limit: kVA Default:	Generator set L3 kVA	Power

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Addr.	System Name	Access	Specifications		Description	Function
42042	Genset Total kVA	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: kVA Lower Limit: kVA Upper Limit: kVA Default:	Generator set total kVA	Power
42043	MB Genset Frequency	Read Only	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Hz Lower Limit: Hz Upper Limit: Hz Default:	Generator set line frequency scaled by 10 = 1Hz for Modbus	Communications
42044	Genset Total Negative kWh	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: U	Unit: kWh Lower Limit: kWh Upper Limit: kWh Default:	Generator set total negative kWh accumulation	Energy
42046	Genset Total Positive kWh	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: U	Unit: kWh Lower Limit: kWh Upper Limit: kWh Default:	Generator set total positive kWh accumulation	Energy
42048	Genset Total Net kWh	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: S	Unit: kWh Lower Limit: kWh Upper Limit: kWh Default:	Generator set total net kWh accumulation	Energy
42050	Genset Total Negative kVARh	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: U	Unit: kVARh Lower Limit: kVARh Upper Limit: kVARh Default:	Generator set total negative kVARh accumulation	Energy
40052	Genset Total Positive kVARh	Read Only	Multiplier: 1.00000000000 0Offset: 0 Size (bits): 32 Sign: U	Unit: kVARh Lower Limit: kVARh Upper Limit: kVARh Default:	Generator set total positive kVARh accumulation	Energy
42054	Genset Total Net kVARh	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: S	Unit: kVARh Lower Limit: kVARh Upper Limit: kVARh Default:	Generator set total net kVARh accumulation	Energy

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Addr.	System Name	Access	Specifications		Description	Function
42056	Genset Total kVAh	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: U	Unit: kVARh Lower Limit: kVARh Upper Limit: kVARh Default:	Generator set total kVAh accumulation	Energy
42058	Genset Available Current	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Amps Lower Limit: Amps Upper Limit: Amps Default:	Calculated amps which represent 100-% generator set bus current - used by bargraph	Current
42059	Genset L1 Current Percent	Read Only	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: % Lower Limit: % Upper Limit: % Default:	Generator set L1 current as percent of generator Set total current capacity - used by bargraph	Current
42060	Genset L2 Current Percent	Read Only	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: % Lower Limit: % Upper Limit: % Default:	Generator set L2 current as percent of generator Set total current capacity - used by bargraph	Current
42061	Genset L3 Current Percent	Read Only	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: % Lower Limit: % Upper Limit: % Default:	Generator set L3 current as percent of generator Set total current capacity - used by bargraph	Current
42062	Genset Total kW Percent	Read Only	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: % Lower Limit: % Upper Limit: % Default:	Generator set kW as percent of total generator set capacity - used by bargraph	Power
42063	Genset Frequency Percent	Read Only	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: % Lower Limit: % Upper Limit: % Default:	Generator set frequency as percent of system frequency - used by bargraph	Frequency

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Addr.	System Name	Access	Specifications		Description	Function
42064	Genset L1L2 Voltage%	Read Only	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: % Lower Limit: % Upper Limit: % Default:	Generator set L1L2 voltage%	Voltage
42065	Genset L2L3 Voltage%	Read Only	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: % Lower Limit: % Upper Limit: % Default:	Generator set L2L3 voltage %	Voltage
42066	Genset L3L1 Voltage%	Read Only	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: % Lower Limit: % Upper Limit: % Default:	Generator set L3L1 voltage%	Voltage
42070	Genset Total kW_32bit	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: S	Unit: kW Lower Limit: kW Upper Limit: kW Default:	Generator set total kW in 32 bit	Power
42072	Genset Total kVAR_32bit	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: S	Unit: kVAR Lower Limit: kVAR Upper Limit: kVAR Default:	Generator set total kVAR in 32 bit	Power
42074	Genset Total kVA_32bit	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: U	Unit: kVA Lower Limit: kVA Upper Limit: kVA Default:	Generator set total kVA in 32 bit	Power
42117	Utility Bus Status	Read Only	0: Unavailable 1: Dead 2: Live Default:		Energization status of the utility bus	PTC Sensors
42118	Utility L1N Voltage	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Volts Lower Limit: Volts Upper Limit: Volts Default:	Utility L1N voltage	Voltage
42119	Utility L2N Voltage	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Volts Lower Limit: Volts Upper Limit: Volts Default:	Utility L2N voltage	Voltage

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Addr.	System Name	Access	Specifications		Description	Function
42120	Utility L3N Voltage	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Volts Lower Limit: Volts Upper Limit: Volts Default:	Utility L3N voltage	Voltage
42121	Utility LN Average Voltage	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Volts Lower Limit: Volts Upper Limit: Volts Default:	Utility LN average voltage	Voltage
42122	Utility L1L2 Voltage	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Volts Lower Limit: Volts Upper Limit: Volts Default:	Utility L1L2 voltage	Voltage
42123	Utility L2L3 Voltage	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Volts Lower Limit: Volts Upper Limit: Volts Default:	Utility L2L3 voltage	Voltage
42124	Utility L3L1 Voltage	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Volts Lower Limit: Volts Upper Limit: Volts Default:	Utility L3L1 voltage	Voltage
42125	Utility LL Average Voltage	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Volts Lower Limit: Volts Upper Limit: Volts Default:	Utility LL average voltage	Voltage
42126	Utility L1 Current	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Amps Lower Limit: Amps Upper Limit: Amps Default:	Utility L1 current	Current
42127	Utility L2 Current	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Amps Lower Limit: Amps Upper Limit: Amps Default:	Utility L2 current	Current

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Addr.	System Name	Access	Specifications		Description	Function
42128	Utility L3 Current	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Amps Lower Limit: Amps Upper Limit: Amps Default:	Utility L3 current	Current
42129	Utility Average Current	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Amps Lower Limit: Amps Upper Limit: Amps Default:	Utility average current	Current
42130	Utility L1 kW	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: kW Upper Limit: kW Default:	Utility L1 kW	Power
42131	Utility L2 kW	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: kW Upper Limit: kW Default:	Utility L2 kW	Power
42132	Utility L3 kW	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: kW Upper Limit: kW Default:	Utility L3 kW	Power
42133	Utility Total kW	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: kW Upper Limit: kW Default:	Utility total kW	Power
42134	Utility L1 kVAR	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kVAR Lower Limit: kVAR Upper Limit: kVAR Default:	Utility L1 kVAR	Power
42135	Utility L2 kVAR	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kVAR Lower Limit: kVAR Upper Limit: kVAR Default:	Utility L2 kVAR	Power

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Addr.	System Name	Access	Specifications		Description	Function
42136	Utility L3 kVAR	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kVAR Lower Limit: kVAR Upper Limit: kVAR Default:	Utility L3 kVAR	Power
42137	Utility Total kVAR	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kVAR Lower Limit: kVAR Upper Limit: kVAR Default:	Utility total kVAR	Power
42138	Utility Total Power Factor	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: NA Lower Limit: Upper Limit: Default:	Utility L1 power factor	Power
42139	Utility L1 kVA	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: kVA Lower Limit: kVA Upper Limit: kVA Default:	Utility L1 kVA	Power
42140	Utility L2 kVA	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: kVA Lower Limit: kVA Upper Limit: kVA Default:	Utility L2 kVA	Power
42141	Utility L3 kVA	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: kVA Lower Limit: kVA Upper Limit: kVA Default:	Utility L3 kVA	Power
42142	Utility Total kVA	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: kVA Lower Limit: kVA Upper Limit: kVA Default:	Utility total kVA	Power
42143	MB Utility Frequency	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Hz Lower Limit: Hz Upper Limit: Hz Default:	Utility line frequency scaled by 10 = 1Hz for Modbus	Communications

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Addr.	System Name	Access	Specifications		Description	Function
42144	Utility Total Negative kWh	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: U	Unit: kWh Lower Limit: kWh Upper Limit: kWh Default:	Utility total negative kWh accumulation	Energy
42146	Utility Total Positive kWh	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: U	Unit: kWh Lower Limit: kWh Upper Limit: kWh Default:	Utility total positive kWh accumulation	Energy
42148	Utility Total Net kWh	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: S	Unit: kWh Lower Limit: kWh Upper Limit: kWh Default:	Utility total net kWh accumulation	Energy
42150	Utility Total Negative	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: U	Unit: kVARh Lower Limit: kVARh Upper Limit: kVARh Default:	Utility total negative kVARh accumulation	Energy
42152	Utility Total Positive kVARh	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: U	Unit: kVARh Lower Limit: kVARh Upper Limit: kVARh Default:	Utility total positive kVARh accumulation	Energy
42154	Utility Total Net kVARh	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: S	Unit: kVARh Lower Limit: kVARh Upper Limit: kVARh Default:	Utility total net kVARh accumulation	Energy
42156	Utility Total kVAh	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: U	Unit: kVAh Lower Limit: kVAh Upper Limit: kVAh Default:	Utility total kVARh accumulation	Energy
42158	System Total kW	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: kW Upper Limit: kW Default:	Sum of generator set bus and utility bus kW	Power

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Addr.	System Name	Access	Specifications		Description	Function
42159	System Total kVAR	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kVAR Lower Limit: kVAR Upper Limit: kVAR Default:	Sum of generator set bus and utility bus kVAR	Power
42160	System Total Power Factor	Read Only	Multiplier: .010000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: NA Lower Limit: Upper Limit: Default:	System total power factor (totalized value of utility bus plus generator set bus)	Power
42161	System Total kVA	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: kVA Lower Limit: kVA Upper Limit: kVA Default:	Sum of generator set bus and utility bus kVA	Power
42162	Utility L1 Current Percent	Read Only	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: % Lower Limit: % Upper Limit: % Default:	Utility L1 current as % of utility total current capacity - used by bargraph	Current
42163	Utility L2 Current Percent	Read Only	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: % Lower Limit: % Upper Limit: % Default:	Utility L2 current as % of utility total current capacity - used by bargraph	Current
42164	Utility L3 Current Percent	Read Only	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: % Lower Limit: % Upper Limit: % Default:	Utility L3 current as as % of utility total current capacity - used by bargraph	Current
42165	Utility Total kW Percent	Read Only	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: % Lower Limit % Upper Limit: % Default:	Utility total kW as percent of total utility capacity - used by bargraph	Power
42166	Utility Frequency Percent	Read Only	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: % Lower Limit: % Upper Limit: % Default:	Utility frequency as percent of system frequency - used by bargraph	Frequency

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Addr.	System Name	Access	Specifications		Description	Function
42167	Utility L1L2 Voltage %	Read Only	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: % Lower Limit: % Upper Limit: % Default:	Utility L1L2 voltage %	Voltage
42168	Utility L2L3 Voltage %	Read Only	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: % Lower Limit: % Upper Limit: % Default:	Utility L2L3 voltage %	Voltage

Addr.	System Name	Access	Specifications		Description	Function
42169	Utility L3L1 Voltage %	Read Only	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit:% Lower Limit: % Upper Limit: % Default:	Utility L3L1 voltage %	Voltage
42170	Utility Total kW _32 bit	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: S	Unit: kW Lower Limit: kW Upper Limit: kW Default:	Utility total kW	Power
42172	Utility total kVAR_32 bit	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: S	Unit: kVAR Lower Limit: kVAR Upper Limit: kVAR Default:	Utility total kVAR in 32 bit	Power
42174	Utility total kVA_32 bit	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: U	Unit: kVA Lower Limit: kVA Upper Limit: kVA Default:	Utility total kVA in 32 bit	Power
42176	System Total kW_32 bit	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: S	Unit: kW Lower Limit: kW Upper Limit: kW Default:	Sum of generator bus and utility bus kW in 32 bit	Power
42178	System Total kVAR_32 bit	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: S	Unit: kVAR Lower Limit: kVAR Upper Limit: kVAR Default:	Sum of generator bus and utility bus kVAR in 32 bit	Power

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Addr.	System Name	Access	Specifications		Description	Function
42180	System Total kVA_32 bit	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: U	Unit: kVA Lower Limit: kVA Upper Limit: kVA Default:	Sum of generator set and utility bus kVA in 32 bit	Power
42200	Total Number of Gensets	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: Upper Limit: Default:	Number of generator sets with non–zero rating entered	System Information
42201	Total System Capacity	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: kW Lower Limit: kW Upper Limit: kW Default:	Sum of the generator set kW ratings	System Information
42202	Total Online Capacity	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: kW Upper Limit: kW Default:	Sum of the generator set kW ratings for generator sets which are Online	System Information
42203	Programmed Transition Timer	Read Only	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: seconds Lower Limit: seconds Upper Limit: seconds Default:	Countdown value of the programmed transition timer	PTC Timers
42204	Transfer Timer	Read Only	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: seconds Lower Limit: seconds Upper Limit: seconds Default:	Countdown value of the transfer timer	PTC Timers
42205	Retransfer Timer	Read Only	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: seconds Lower Limit: seconds Upper Limit: seconds Default:	Countdown value of the retransfer timer	PTC Timers
42206	Maximum Parallel Timer	Read Only	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: seconds Lower Limit: seconds Upper Limit: seconds Default:	Countdown value of the maximum parallel timer	PTC Timers

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Addr.	System Name	Access	Specifications		Description	Function
42207	kW Reference	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: kW Upper Limit: kW Default:	kW Control reference value for utility paralleling	Master Load Control
42208	Utility Unloaded Status	Read Only	0: Not Available 1: Not Unloaded 2: Unloaded Default:		Indicates utility unloaded status	Master Load Control
42209	Genset Unloaded Status	Read Only	0: Not Available 1: Not Unloaded 2: Unloaded Default:		Indicates generator set unloaded status	Master Load Control
42210	System State	Read Only	0: Not Available 1: TD Start 2: TD Stop 3: TD Programmed Transition 4: TD Transfer 5: TD Retransfer 6: Synchronizing 7: Sync Check OK 8: Inhibit 9: Unassigned 10: Ramp Upload 11. Ramp Load 12: Manual 13: Utility Failure 14: Test 15: Standby 16: Factory Test 17: Extended Parallel Default: Not Available		Indicates what state the control is currently IN	System Information
42211	PTC Operating Mode	Read Only	0: Manual 1: Normal 2: Normal Override 3: Test 4: Utility Fail 5: Extended Parallel Default:		Indicates the Current PTC Operating mode. Read/ Write on comp mode.	PTC Operating Mode
42212	Active Transition Timer	Read Only	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: seconds Lower Limit: seconds Upper Limit: seconds Default:	Countdown timer value of active timer	PTC Timers

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Addr.	System Name	Access	Specifications		Description	Function
42213	Hardware Version	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: Upper Limit: Default:	Indicates the hardware version of the board	Discrete Inputs
42214	Controller On Time	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: U	Unit: seconds Lower Limit: .000 sec. Upper Limit: 4294967295.000 sec Default: 0	Amount of time in seconds the controller has been powered	Controller Information
42216	Genset Availability Status	Read Only	0: Not Available 1: Available 2: Unknown Default:		Indicates availability of generator set for Loading, as determined by the generator set sensors	PTC Availability
42217	Utility Availability Status	Read Only	0: Not Available 1: Available 2: Unknown Default:		Indicates availability of utility for loading as determined by the utility sensors	PTC Availability
42218	Gen CB Position Status	Read Only	0: Open 1: Closed 2: Not Available Default:		Generator set breaker position	Breaker Control
42219	Util CB Position Status	Read Only	0: Open 1: Closed 2: Not Available Default:		Utility breaker position	Breaker Control
42220	kVAR Load Reference	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kVAR Lower Limit: kVAR Upper Limit: kVAR Default:	kVAR control reference value for extended paralleling	Master Load Control
42221	kVAR Load Setpoint Engr Units Display Value	Read Only	Multiplier: .010000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: % Lower Limit: % Upper Limit: % Default:	Engineering units value for the kVAR load setpoint analog Input	Analog Inputs

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Addr.	System Name	Access	Specifications		Description	Function
42222	kW Load Setpoint Engr Units Display Value	Read Only	Multiplier: .010000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: % Lower Limit: % Upper Limit: % Default:	Engineering units value for the kW load setpoint analog input	Analog Inputs
42223	Power Factor Setpoint	Read Only	Multiplier: .010000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: NA Lower Limit: Upper Limit: Default:	Power factor setpoint analog input value (uses kVAR load setpoint analog input)	Analog Inputs
42224	PTC State	Read Only	0: Not Enabled 1: No Source Connected 2: Utility Connected 3: Genset Connected 4: Paralleled Default:		Indicates the connected state of power transfer control. read / write in comp.	PTC State Machine
42225	Sync Check Close Allowed	Read Only	0: Not Allowed 1: Allowed Default:		Indicates whether any sync check conditions have been met	Master Sync Control
42226	Sync Phase Difference	Read Only	Multiplier: .010000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: degrees Lower Limit: degrees Upper Limit: degrees Default:	Utility to generator set L1 voltage phase angle	Phase
42227	Synchronizer Status	Read Only	0: Synchronizer Off 1: Synchronizer On Default:		Indicates state of the synchronizer	Master Sync Control
42228	System Lockout Status	Read Only	0: Inactive 1: Active Default:		Faults have occurred which prevent normal system operation; reset faults	System Information
42229	Breaker 1 Position	Read Only	0: Open 1: Closed 2: Not Available Default: Not Available		Indicates the position status of breaker 1	Load Add Shed Control
42230	Breaker 2 Position	Read Only	0: Open 1: Closed 2: Not Available Default: Not Available		Indicates the position status of breaker 2	Load Add Shed Control

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Addr.	System Name	Access	Specifications	Description	Function
42231	Breaker 3 Position	Read Only	0: Open 1: Closed 2: Not Available Default: Not Available	Indicates the position status of breaker 3	Load Add Shed Control
42232	Breaker 4 Position	Read Only	0: Open 1: Closed 2: Not Available Default: Not Available	Indicates the position status of breaker 4	Load Add Shed Control
42233	Breaker 5 Position	Read Only	0: Open 1: Closed 2: Not Available Default: Not Available	Indicates the position status of breaker 5	Load Add Shed Control
42234	Breaker 6 Position	Read Only	0: Open 1: Closed 2: Not Available Default: Not Available	Indicates the position status of breaker 6	Load Add Shed Control
42235	Breaker 1 Trip Status	Read Only	0: Not Available 1: Normal 2: Tripped Default: Not Available	Indicates trip status of breaker 1	Load Add Shed Control
42236	Breaker 2 Trip Status	Read Only	0: Not Available 1: Normal 2: Tripped Default: Not Available	Indicates trip status of breaker 2	Load Add Shed Control
42237	Breaker 3 Trip Status	Read Only	0: Not Available 1: Normal 2: Tripped Default: Not Available	Indicates trip status of breaker 3	Load Add Shed Control
42238	Breaker 4 Trip Status	Read Only	0: Not Available 1: Normal 2: Tripped Default: Not Available	Indicates trip status of breaker 4	Load Add Shed Control
42239	Breaker 5 Trip Status	Read Only	0: Not Available 1: Normal 2: Tripped Default: Not Available	Indicates trip status of breaker 5	Load Add Shed Control
42240	Breaker 6 Trip Status	Read Only	0: Not Available 1: Normal 2: Tripped Default: Not Available	Indicates trip status of breaker 6	Load Add Shed Control

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Addr.	System Name	Access	Specifications	Description	Function
42241	ATS 1 Position	Read Only	0: Not Available 1: No Source Connected 2: Source 1 Connected 3: Source 2 Connected 4: Paralleled Default: Not Available	Indicates position status of ATS 1	Load Add Shed Control
42242	ATS 2 Position	Read Only	0: Not Available 1: No Source Connected 2: Source 1 Connected 3: Source 2 Connected 4: Paralleled Default: Not Available	Indicates position status of ATS 2	Load Add Shed Control
42243	ATS 3 Position	Read Only	0: Not Available 1: No Source Connected 2: Source 1 Connected 3: Source 2 Connected 4: Paralleled Default: Not Available	Indicates position status of ATS 3	Load Add Shed Control
42244	ATS 4 Position	Read Only	0: Not Available 1: No Source Connected 2: Source 1 Connected 3: Source 2 Connected 4: Paralleled Default: Not Available	Indicates position status of ATS 4	Load Add Shed Control
42245	ATS 5 Position	Read Only	0: Not Available 1: No Source Connected 2: Source 1 Connected 3: Source 2 Connected 4: Paralleled Default: Not Available	Indicates position status of ATS 5	Load Add Shed Control
42246	Position	Read Only	0: Not Available 1: No Source Connected 2: Source 1 Connected 3: Source 2 Connected 4: Paralleled Default: Not Available	Indicates position status of ATS 6	Load Add Shed Control
42247	SID1 Status	Read Only	0: Missing 1: Good 2: Connecting 3: No EXP Board 4: Not Applicable Default:	Indicates status of SID1 (AUX 101 / 102 module 1)	Communications

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Addr.	System Name	Access	Specifications		Description	Function
42248	SID0 Status	Read Only	0: Missing 1: Good 2: Connecting 3: No EXP Board 4: Not Applicable Default:		Indicates status of SID0 (AUX 101 / 102 module 0)	Communications
42249	Expansion Board Communications	Read Only	0: Disable 1: Enable Default: Disable		Indicates the status of SIDO to expansion board connection	Communications
42250	Current Add Level	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: Upper Limit: Default:	Indicates the next level to add	Load Add Shed Control
42251	Current Shed Level	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: Upper Limit: Default:	Indicates the next level to shed	Load Add Shed Control
42252	Add Level 1 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing		Indicates status of add level 1	Load Add Shed Control
42253	Add Level 2 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing		Indicates status of add level 2	Load Add Shed Control
42254	Add Level 3 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing		Indicates status of add level 3	Load Add Shed Control
42255	Add Level 4 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing		Indicates status of add level 4	Load Add Shed Control
42256	Add Level 5 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing		Indicates status of add level 5	Load Add Shed Control
42257	Add Level 6 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing		Indicates status of add level 6	Load Add Shed Control
42258	Shed Level 1 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing		Indicates status of shed level 1	Load Add Shed Control

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Addr.	System Name	Access	Specifications	Description	Function
42259	Shed Level 2 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing	Indicates status of shed level 2	Load Add Shed Control
42260	Shed Level 3 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing	Indicates status of shed level 3	Load Add Shed Control
42261	Shed Level 4 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing	Indicates status of shed level 4	Load Add Shed Control
42262	Shed Level 5 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing	Indicates status of shed level 5	Load Add Shed Control
42263	Manual Add Level 1 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing	Operator input to add level 1	Load Add Shed Control
42264	Manual Add Level 2 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing	Operator input to add level 2	Load Add Shed Control
42265	Manual Add Level 3 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing	Operator input to add level 3	Load Add Shed Control
42266	Manual Add Level 4 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing	Operator input to add level 4	Load Add Shed Control
42267	Manual Add Level 5 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing	Operator input to add level 5	Load Add Shed Control
42268	Manual Add Level 6 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing	Operator input to add level 6	Load Add Shed Control
42269	Manual Shed Level 1 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing	Operator input to shed loads assigned to level 1	Load Add Shed Control
42270	Manual Shed Level 2 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing	Operator input to shed loads assigned to level 2	Load Add Shed Control
42271	Manual Shed Level 3 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing	Operator input to shed loads assigned to level 3	Load Add Shed Control

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Addr.	System Name	Access	Specifications	Description	Function
42272	Manual Shed Level 4 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing	Operator input to shed loads assigned to level 4	Load Add Shed Control
42273	Manual Shed Level 5 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing	Operator Input to Shed Loads Assigned to Level 5	Load Add Shed Control
42274	Restored Shed Level 1 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing	Indicates if shed level 1 has been restored	Load Add Shed Control
42275	Restored Shed Level 2 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing	Indicates if shed level 2 has been restored	Load Add Shed Control
42276	Restored Shed Level 3 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing	Indicates if shed level 3 has been restored	Load Add Shed Control
42277	Restored Shed Level 4 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing	Indicates if shed level 4 has been restored	Load Add Shed Control
42278	Restored Shed Level 5 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing	Indicates if shed level 5 has been restored	Load Add Shed Control
42279	Add Load 1 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing	Indicates add command for load 1	Load Add Shed Control
42280	Add Load 2 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing	Indicates add command for load 2	Load Add Shed Control
42281	Add Load 3 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing	Indicates add command for load 3	Load Add Shed Control
42282	Add Load 4 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing	Indicates add command for load 4.	Load Add Shed Control
42283	Add Load 5 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing	Indicates add command for load 5	Load Add Shed Control

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Addr.	System Name	Access	Specifications		Description	Function
42284	Add Load 6 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing		Indicates add command for load 6	Load Add Shed Control
42285	Shed Load 1 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing		Indicates shed command for load 1	Load Add Shed Control
42286	Shed Load 2 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing		Indicates shed command for load 2	Load Add Shed Control
42287	Shed Load 3 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing		Indicates shed command for load 3	Load Add Shed Control
42288	Shed Load 4 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing		Indicates Shed Command for Load 4	Load Add Shed Control
42289	Shed Load 5 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing		Indicates shed command for load 5	Load Add Shed Control
42290	Shed Load 6 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing		Indicates shed command for load 6	Load Add Shed Control
42291	Battery Voltage Engr Units Display Value	Read Only	Multiplier: .010000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: VDC Lower Limit: VDC Upper Limit: VDC Default	Engineering units value for the battery voltage analog Input	Analog Inputs
42292	kVAR Master Load Control Output Predictor Value	Read Only	Multiplier: .010000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: VDC Lower Limit: VDC Upper Limit: VDC Default	Voltage level commanded to kVAR Master load control analog output	Analog Inputs
42293	kW Master Load Control Output Predictor Value	Read Only	Multiplier: .010000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: VDC Lower Limit: VDC Upper Limit: VDC Default	Voltage level commanded to kW Master load control analog output	Analog Inputs
42294	Master Frequency Bias Output Predictor Value	Read Only	Multiplier: .010000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: VDC Lower Limit: VDC Upper Limit: VDC Default	Voltage level commanded to Master frequency bias analog output	Analog Inputs

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Addr.	System Name	Access	Specifications		Description	Function
42295	Master Voltage Bias Output Predictor Value	Read Only	Multiplier: .010000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: VDC Lower Limit: VDC Upper Limit: VDC Default	Voltage level commanded to Master voltage bias analog output	Analog Inputs
42296	PTC Genset Operating Mode	Read Only	0: Manual 1: Normal 2: Normal Override 3: Test 4: Utility Fail 5: Extended Parallel Default		Indicates the current operating mode of the generator set	PTC Genset Operating Mode
42297	PTC Transfer Pair Operating Mode	Read Only	0: Manual 1: Normal 2: Normal Override 3: Test 4: Utility Fail 5: Extended Parallel Default:		Indicates the current operating mode of the transfer pair	PTC Genset Operating Mode
42298	PTC Operating Transition Type	Read Only	0: Open Transition 1: Hard Closed Transition 2: Soft Closed Transition Default:		Indicates the transition type currently applicable to the PTC function operation	PTC Genset Operating Mode

Addr.	System Name	Access	Specifications	Description	Function
42299	Expansion Board Communications 1	Read Only	0: Disabled 1: Enabled Default: Disabled	Indicates the status of the SID1 to expansion board connection	Communications
42300	System Topology	Read/ Write	0: Master Synchronize Only 1: Isolated Bus w/ out GM 2: Isolated Bus w/GM 3: Common Bus 4: Transfer Pair 5: Component Mode Default: Master Synchronize Only	Main setting: sets system topology; control must be in manual to set	Application Configuration
42301	Transition Type	Read/ Write	0: Open Transition 1: Hard Closed Transition 2: Soft Closed Transition Default: Open Transition	Sets the type of transition that will be used	Application Configuration

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Addr.	System Name	Access	Specifications		Description	Function
42302	Extended Parallel Enable	Read/ Write	0: Disabled 1: Enabled Default: Disabled		Use to enable extended paralleling operation	Application Configuration
42303	Load Demand Type	Read/ Write	0: None 1: Fixed Sequence 2: Run Hours Default: None		Sets the load demand type	Load Demand Control
42304	Priority Control Method	Read/ Write	0: Manual 1: Automatic Default: Manual		Set the priority control method	Priority Control
42305	Genset 01 kW Rating	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: .000 kW Upper Limit: 32000.000 kW Default: 1000	Sets generator 1 kW rating	System Information
42306	Genset 02 kW Rating	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: .000 kW Upper Limit: 32000.000 kW Default: 0	Sets generator 2 kW rating	System Information
42307	Genset 03 kW Rating	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: .000 kW Upper Limit: 32000.000 kW Default: 0	Sets generator 3 kW rating	System Information
42308	Genset 04 kW Rating	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: .000 kW Upper Limit: 32000.000 kW Default: 0	Sets generator 4 kW rating	PC 3.x
42309	Genset 05 kW Rating	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: .000 kW Upper Limit: 32000.000 kW Default: 0	Sets generator 5 kW rating	System Information
42310	Genset 06 kW Rating	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: .000 kW Upper Limit: 32000.000 kW Default: 0	Sets generator 6 kW rating	System Information

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Addr.	System Name	Access	Specifications		Description	Function
42311	Genset 07 kW Rating	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: .000 kW Upper Limit: 32000.000 kW Default: 0	Sets generator 7 kW rating	System Information
42312	Genset 08 kW Rating	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: .000 kW Upper Limit: 32000.000 kW Default: 0	Sets generator 8 kW rating	System Information
42313	Genset 09 kW Rating	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: .000 kW Upper Limit: 32000.000 kW Default: 0	Sets generator 9 kW rating	System Information
42314	Genset 10 kW Rating	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: .000 kW Upper Limit: 32000.000 kW Default: 0	Sets generator 10 kW rating	System Information
42315	Genset 11 kW Rating	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: .000 kW Upper Limit: 32000.000 kW Default: 0	Sets generator 11 kW rating	System Information
42316	Genset 12 kW Rating	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: .000 kW Upper Limit: 32000.000 kW Default: 0	Sets generator 12 kW rating	System Information
42317	Programmed Transition Delay (TDPT)	Read/ Write	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Seconds Lower Limit: .000 Seconds Upper Limit: 60.000 Seconds Default: 3	Set the programmed transition time delay	PTC Timers
42318	Transfer Delay (TDNE)	Read/ Write	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Seconds Lower Limit: .000 Seconds Upper Limit: 120.000 Seconds Default: 10	Sets the transfer time delay	PTC Timers

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Addr.	System Name	Access	Specifications		Description	Function
42319	Retransfer Delay (TDEN)	Read/ Write	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Seconds Lower Limit: .000 Seconds Upper Limit: 1800.000 Seconds Default: 600	Sets the transfer time delay	PTC Timers
42320	Maximum Parallel Time (TDMP)	Read/ Write	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Seconds Lower Limit: .000 Seconds Upper Limit: 1800.000 Seconds Default: 20	Sets the maximum parallel time for soft load transfers	PTC Timers
42321	Genset Bus %kW Setpoint	Read/ Write	Multiplier: .010000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: % Lower Limit: -5.000% Upper Limit: 105.000% Default: 80	Generator set nominal voltage	Master Load Control
42322	Genset Nominal Voltage	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Volts Lower Limit: 100.000 Volts Upper Limit: 45000.000 Volts Default: 480	Generator set nominal voltage	AC Setup
42323	Utility Nominal Voltage	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Volts Lower Limit: 100.000 Volts Upper Limit: 45000.000 Volts Default: 480	Utility nominal voltage	AC Setup
42324	Genset Center Frequency	Read/ Write	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Hz Lower Limit: 45.000 Hz Upper Limit: 65.000 Hz Default: 60	Sets the center frequency sensor bandwidth settings	PTC Sensors
42325	Utility Center Frequency	Read/ Write	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Hz Lower Limit: 45.000 Hz Upper Limit: 65.000 Hz Default: 60	Sets the center frequency sensor bandwidth settings	PTC Sensors
42326	test With Load Enable	Read/ Write	0: Disable 1: Enable Default: Disable		Use to enable or disable load transfer during a Test	Application Configuration

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Addr.	System Name	Access	Specifications		Description	Function
42327	System Frequency	Read/ Write	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Hz Lower Limit: 45.000 Hz Upper Limit: 65.000 Hz Default: 60	Use to define the system nominal frequency	System Information
42328	Genset Bus kW Setpoint Source	Read/ Write	0: Internal 1: Analog Input Default Internal		Selects where the generator set kW setpoint will come from for extended paralleling	Master Load Control
42329	Genset Bus kVAR Setpoint Source	Read/ Write	0: Internal 1: Analog Input Default Internal		Selects where the generator set kVAR setpoint will come from for extended paralleling	Master Load Control
42330	Genset Bus kW Setpoint	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: .000 kW Upper Limit: 32767.000 kW Default: 0	Set the base load kW setpoint in closed loop extended paralleling	Master Load Control
42331	Genset Bus kVAR Setpoint	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kVAR Lower Limit: .000 kVAR Upper Limit: 32767.000 kVAR Default: 0	Sets the base load kVAR setpoint in closed loop extended paralleling	Master Load Control
42332	Genset Bus % kVAR Setpoint	Read/ Write	Multiplier: .010000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: % Lower Limit: -5.000% Upper Limit: 105.000% Default: 0	Sets % kVAR generator output level for open loop base load extended paralleling	Master Load Control
42333	Genset Bus Power Factor Setpoint	Read/ Write	Multiplier: .010000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: NA Lower Limit: .700 Upper Limit: 1.000 Default: 1.00	Sets the desired generator set bus power factor in closed loop extended paralleling	Master Load Control

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Addr.	System Name	Access	Specifications		Description	Function
42334	Genset Unloaded Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: -32768.000kW Upper Limit: 32767.000 kW Default: 50	Setpoint for generator set unloaded level	Master Load Control
42335	Utility Bus kW Setpoint Source	Read/ Write	0: Internal 1: Analog Input Default: Internal		Selects where the utility kW setpoint will come from for extended paralleling	Master Load Control
42336	Utility Bus kVAR Setpoint Source	Read/ Write	0: Internal 1: Analog Input Default: Internal		Selects where the utility kVAR setpoint will come from for extended paralleling	Master Load Control
42337	Utility Bus kW Setpoint	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: -32768.000kW Upper Limit: 32767.000 kW Default: 100	Sets the peak Shave kW setpoint in closed loop extended paralleling	Master Load Control
42338	Utility Bus kW Constraint Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: -32768.000kW Upper Limit: 32767.000 kW Default: 100	Sets the utility kW constraint level for base load extended paralleling	Master Load Control
42339	Utility Bus kVAR Setpoint	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: -32768.000 kVAR Upper Limit: 32767.000 kVAR Default: 100	Sets the peak shave kVAR setpoint in closed loop extended paralleling	Master Load Control
42340	Utility Bus Power Factor Setpoint	Read/ Write	Multiplier: .010000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: NA Lower Limit: .700 Upper Limit: 1.000 Default: 1.00	Sets the desired utility bus power factor in loop extended paralleling	Master Load Control

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Addr.	System Name	Access	Specifications		Description	Function
42341	Utility Unloaded Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: -32768.000kW Upper Limit: 32767.000 kW Default: 50	Setpoint for utility unloaded level	Master Load Control
42342	Clear Fault History Table	Read/ Write	0: Inactive 1: Active Default: Inactive		Use to completely clear the fault history table	Fault and Event Info
42343	Clear Occurrence Tables	Read/ Write	0: Inactive 1: Active Default: Inactive		Use to completely clear the counters in faults and events occurrence tables	Fault and Event Info
42344	Genset Reset All Energy Meters	Read/ Write	0: Do Nothing 1: Clear Counters Default: Do Nothing		Use to permanently clear all generator set energy meter values	Energy
42345	Utility Reset All Energy Meters	Read/ Write	0: Do Nothing 1: Clear Counters Default: Do Nothing		Use to permanently clear all utility energy meter values	Energy
42346	Extended Paralleling kW Load Control Type	Read/ Write	0: Genset Bus % Level (Open Loop) 1: Genset Bus kW (Closed Loop) 2: Genset Bus kW w/ Utility Constraint (Closed Loop) 3: Utility Bus kW (Closed Loop) Default: Genset Bus % Level (Open Loop)		Sets how and where the kW will be controlled for extended parallel operation	Master Load Control
42347	Extended Paralleling kVAR Load Control Type	Read/ Write	0: Genset Controllers 1: Genset Bus % Level (Open Loop) 2: Genset Bus Power Factor (Open Loop) 3: Genset Bus kVAR (Closed Loop) 4: Genset Bus Power Factor (Closed Loop) 5: Utility Bus kVAR (Closed Loop) 6: Utility Bus Power Factor (Closed Loop) Default: Genset Controllers		Sets how and where the kVAR will be controlled for extended parallel operation	Master Load Control

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Addr.	System Name	Access	Specifications		Description	Function
42348	Extended Parallel Ramp Load Time	Read/ Write	Multiplier: .10000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: seconds Lower Limit: 10.000 seconds Upper Limit: 900.000 seconds Default:60	Set ramp load time for extended paralleling	Master Load Control
42349	Fail To Sync Lockout Enable	Read/ Write	0:Disabled 1:Enabled Default: Disable		Enable if want synchronizing to stop if fail to sync occurs	Master Sync Control
42350	Fail To Sync Open Transition Retransfer Enable	Read/ Write	0:Disabled 1:Enabled Default: Disable		Use to enable or disable an open transition retransfer upon fail to sync	PTC State Machine
42351	Fail To Synchronize Time	Read/ Write	Multiplier: .200000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: seconds Lower Limit: 10.000 seconds Upper Limit: 900.000 seconds Default:120	Set the fill to synchronize diagnostic time delay	Master Sync Control
42352	Gen CB Manual Control	Read/ Write	0: Closed Requested 1: No Command 2: Open Commanded Default: No Command		In manual mode can be used to semi-manually control the generator set breaker	Breaker Control
42353	Util CB Manual Control	Read/ Write	0: Closed Requested 1: No Command 2: Open Commanded Default: No Command		In Manual Mode can be used to Semi-Manually Control the Utility Breaker	Breaker Control
42354	Slip Frequency	Read/ Write	Multiplier: .001000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: seconds Lower Limit: -3.000 Hz Upper Limit: 3.000 Hz Default:0.1	Sets the Synchronizer Slip Frequency (used when Sync Method is Slip)	Master Sync Control
42355	Start Time Delay (TDES)	Read/ Write	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: seconds Lower Limit: .000 seconds Upper Limit: 3600.000 seconds Default: 0	Sets the generator set Start Time Delay	PTC Operating Mode

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Addr.	System Name	Access	Specifications		Description	Function
42356	Stop Time Delay (TDEC)	Read/ Write	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: seconds Lower Limit: .000 seconds Upper Limit: 3600.000 seconds Default: 0	Sets the generator set Stop Time Delay	PTC Operating Mode
42357	Synchronizer Polarity	Read/ Write	0: Normal 1: Invert Default: Normal		Use to Invert Synchronizer Polarity	Master Sync Control
42358	Synchronize Method	Read/ Write	0: Phase Match 1: Slip Frequency Default: Phase Match		Sets the synchronizing method	Master Sync Control
42359	Port Protocol Selection	Read/ Write	0: PCCNet 1: MON Default: PCCNet		Allows protocol of the PCCNet port to be changed to MON for troubleshooting	Communications
42360	System Scheduler Enable	Read/ Write	0: Disabled 1: Enabled Default: Disabled		Use to enable or disable the system scheduler	System Scheduler
42361	Load Add Shed Enable	Read/ Write	0: Disabled 1: Enabled Default: Disabled		Use the enable or disable the load add shed feature	Load Add Shed Control
42362	Open Transition Retransfer Load Shed Enable	Read/ Write	0: Disabled 1: Enabled Default: Disabled		Use to enable or disable the shedding of loads during open transition retransfer	Load Add Shed Control
42363	Auto/Manual Load Add Restore Mode	Read/ Write	0: Auto 1: Manual Default: Auto		Indicates automatic or manual load add restore operation	Load Add Shed Control
42364	Genset Bus Load Add Delay	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: second Lower Limit: .000 second Upper Limit: 60.000 second Default: 1	Indicates delay between add levels when all generator sets are online and no utility	Load Add Shed Control

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Addr.	System Name	Access	Specifications		Description	Function
42365	Utility Bus Load Add Delay	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: second Lower Limit: .000 second Upper Limit: 60.000 second Default: 1	Indicates delay between add levels when on utility	Load Add Shed Control
42366	Load Shed Delay	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: seconds Lower Limit: 1.000 seconds Upper Limit: 10.000 seconds Default: 1	Indicates delay between shed levels when on generator sets	Load Add Shed Control
42367	Load 1 Device Type	Read/ Write	0: None 1: Breaker 2: ATS Default: None		Indicates type of load connected to load 1 add shed control and status I/O	Load Add Shed Control
42368	Load 2 Device Type	Read/ Write	0: None 1: Breaker 2: ATS Default: None		Indicates type of load connected to load 2 add shed control and status I/O	Load Add Shed Control
42369	Load 3 Device Type	Read/ Write	0: None 1: Breaker 2: ATS Default: None		Indicates type of load connected to load 3 add shed control and status I/O	Load Add Shed Control
42370	Load 4 Device Type	Read/ Write	0: None 1: Breaker 2: ATS Default: None		Indicates type of load connected to load 4 add shed control and status I/O	Load Add Shed Control
42371	Load 5 Device Type	Read/ Write	0: None 1: Breaker 2: ATS Default: None		Indicates type of load connected to load 5 add shed control and status I/O	Load Add Shed Control
42372	Load 6 Device Type	Read/ Write	0: None 1: Breaker 2: ATS Default: None		Indicates type of load connected to load 6 add shed control and status I/O	Load Add Shed Control

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Addr.	System Name	Access	Specifications		Description	Function
42373	Load 1 Add Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: 1.000 Upper Limit: 18.000 Default: 1	Indicates which add level load 1 is assigned to	Load Add Shed Control
42374	Load 2 Add Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: 1.000 Upper Limit: 18.000 Default: 2	Indicates which add level load 2 is assigned to	Load Add Shed Control
42375	Load 3 Add Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: 1.000 Upper Limit: 18.000 Default: 3	Indicates which add level load 3 is assigned to	Load Add Shed Control
42376	Load 4 Add Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: 1.000 Upper Limit: 18.000 Default: 4	Indicates which add level load 4 is assigned to	Load Add Shed Control
42377	Load 5 Add Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: 1.000 Upper Limit: 18.000 Default: 5	Indicates which add level load 5 is assigned to	Load Add Shed Control
42378	Load 6 Add Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: 1.000 Upper Limit: 18.000 Default: 6	Indicates which add level load 6 is assigned to	Load Add Shed Control
42379	Load 1 Shed Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: 1.000 Upper Limit: 17.000 Default: 1	Indicates which shed level load 1 is assigned to	Load Add Shed Control
42380	Load 2 Shed Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: 1.000 Upper Limit: 17.000 Default: 2	Indicates which shed level load 2 is assigned to	Load Add Shed Control

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Addr.	System Name	Access	Specifications		Description	Function
42381	Load 3 Shed Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: 1.000 Upper Limit: 17.000 Default: 3	Indicates which shed level load 3 is assigned to	Load Add Shed Control
42382	Load 4 Shed Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: 1.000 Upper Limit: 17.000 Default: 4	Indicates which shed level load 4 is assigned to	Load Add Shed Control
42383	Load 5 Shed Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: 1.000 Upper Limit: 17.000 Default: 5	Indicates which shed level load 5 is assigned to	Load Add Shed Control
42384	Load 6 Shed Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: 1.000 Upper Limit: 17.000 Default: 6	Indicates which shed level load 6 is assigned to	Load Add Shed Control
42385	Genset Bus Overload Method	Read/ Write	0: Both kW and Frequency 1: kW Only 2: Frequency Only Default: Both kW and Frequency		Use to choose method for determining generator bus overload condition	System Information
42386	Genset Bus kW Overload Delay	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: % Lower Limit: 80.000% Upper Limit: 140.000% Default: 105	Use to set the % kW threshold for generator bus overload condition	System Information
42387	Genset Bus kW Overload Delay	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: second Lower Limit: .000 second Upper Limit: 120.000 second Default: 60	Sets the delay time for overload based on kW	System Information
42388	Genset Bus Underfrequency Overload Threshold	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Hz Lower Limit: .1000 Hz Upper Limit: 10.000 Hz Default: 3	Use to set the underfrequency offset threshold for generator bus overload condition	System Information

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Addr.	System Name	Access	Specifications		Description	Function
42389	Genset Bus Underfrequency Overload Delay	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: second Lower Limit:.000 second Upper Limit: 20.000 second Default: 3	Sets the delay time for overload based on frequency	System Information
42390	Load Demand Enable	Read/ Write	0: Disable 1: Enable Default: Disable		Use enable or disable the load demand feature	Load Demand Control
42391	Load Demand GenA	Read/ Write	0: Gen1 1: Gen2 2: Gen3 3: Gen4 4: Gen5 5: Gen6 6: Gen7 7: Gen8 8: Gen9 9: Gen10 10: Gen11 11: Gen12 12: Gen13 13: Gen14 14: Gen15 15: Gen16 Default: Gen1		Sets GenA (never stop) for fixed sequence load demand	Load Demand Control
42392	Load Demand GenB	Read/ Write	0: Gen1 1: Gen2 2: Gen3 3: Gen4 4: Gen5 5: Gen6 6: Gen7 7: Gen8 8: Gen9 9: Gen10 10: Gen11 11: Gen12 12: Gen13 13: Gen14 14: Gen15 15: Gen16 Default: Gen2		Sets GenB (never stop) for fixed sequence load demand	Load Demand Control

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Addr.	System Name	Access	Specifications		Description	Function
42393	Load Demand GenC	Read/ Write	0: Gen1 1: Gen2 2: Gen3 3: Gen4 4: Gen5 5: Gen6 6: Gen7 7: Gen8 8: Gen9 9: Gen10 10: Gen11 11: Gen12 12: Gen13 13: Gen14 14: Gen15 15: Gen16 Default: Gen3		Sets GenC (never stop) for fixed sequence load demand	Load Demand Control
42394	Load Demand GenD	Read/ Write	0: Gen1 1: Gen2 2: Gen3 3: Gen4 4: Gen5 5: Gen6 6: Gen7 7: Gen8 8: Gen9 9: Gen10 10: Gen11 11: Gen12 12: Gen13 13: Gen14 14: Gen15 15: Gen16 Default: Gen4		Sets GenD (never stop) for fixed sequence load demand	Load Demand Control
42395	Load Demand Initial Delay	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: minute Lower Limit: 1.000 minute Upper Limit: 60.000 minute Default: 5	Sets the Initial delay time before load demand will operate	Load Demand Control
42396	Load Demand Restart Percent	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: % Lower Limit: 20.000% Upper Limit: 100.000% Default: 80	Sets load demand restart threshold when method is %kW	Load Demand Control

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Addr.	System Name	Access	Specifications		Description	Function
42397	Load Demand Run Hours Differential	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: Hours Lower Limit: 1.000 Hours Upper Limit: 500.000 Hours Default: 50	Sets run hours differential for restart a generator set stopped due to load demand	Load Demand Control
42398	Load Demand Shutdown Delay	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: minute Lower Limit: 1.000 minute Upper Limit: 60.000 minute Default: 5	Sets the delay time between stopping generator sets due to load demand	Load Demand Control
42399	Load Demand Shutdown Percent	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: % Lower Limit: 20.000 % Upper Limit: 100.000 % Default: 60	Sets load demand shutdown threshold when method is %kW	Load Demand Control
42400	General Fail Time Delay	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: seconds Lower Limit: 10.000 seconds Upper Limit: 900.000 second Default: 59	Sets how long to wait for a generator set to come online before declaring it failed	Load Demand Control
42401	Util CB Fail to Close Delay	Read/ Write	Multiplier: .020000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: seconds Lower Limit: .100 seconds Upper Limit: 1.000 seconds Default: 0.26	Sets the utility breaker fail to close time delay	Breaker Control
42402	Util CB Fail to Open Delay	Read/ Write	Multiplier: .200000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: seconds Lower Limit: .200 seconds Upper Limit: 5.000 seconds Default: 1	Sets the utility breaker fail to open time delay	Breaker Control
42403	Util CB Recharge Delay	Read/ Write	Multiplier: .020000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: seconds Lower Limit: .000 seconds Upper Limit: 60.000 seconds Default: 10	Sets time to allow for utility breaker recharge	Breaker Control

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Addr.	System Name	Access	Specifications		Description	Function
42404	Gen CB Fail to Close Delay	Read/ Write	Multiplier: .020000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: seconds Lower Limit: .100 seconds Upper Limit: 1.000 seconds Default: 0.26	Sets the generator Set breaker fail to close time delay	Breaker Control
42405	Gen CB Fail to Open Delay	Read/ Write	Multiplier: .200000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: seconds Lower Limit: .200 seconds Upper Limit: 5.000 seconds Default: 1	Sets generator set breaker fail to open time delay	Breaker Control
42406	Gen CB Recharge Delay	Read/ Write	Multiplier: .020000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: seconds Lower Limit: .000 seconds Upper Limit: 60.000 second Default: 10	Sets the time to allow for generator set breaker recharge	Breaker Control
42407	Permissive Phase Window	Read/ Write	Multiplier: .010000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: degrees Lower Limit: .100 degrees Upper Limit: 20.000 degrees Default: 10	Sets the permissive +/- phase angle window for sync check function	Master Sync Control
42408	Permissive Voltage Window	Read/ Write	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: % Lower Limit: .500 % Upper Limit: 10.000 % Default: 5	Sets the permissive +/- voltage acceptance window for sync check function	Master Sync Control
42409	Permissive Window Time	Read/ Write	Multiplier: .020000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: seconds Lower Limit: .500 seconds Upper Limit: 5.000 seconds Default: 0.5	Sets the permissive acceptance window dwell time for sync check function	Master Sync Control
42410	Permissive Frequency Window	Read/ Write	Multiplier: .001000000000 Offset: 0 Size (bits): 32 Sign: U	Unit: Hz Lower Limit: .001 Hz Upper Limit: 1.000 Hz Default: 1	Sets maximum frequency difference allowed for permissive close	Master Sync Control

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Addr.	System Name	Access	Specifications		Description	Function
42412	Sync Phase Offset	Read/ Write	Multiplier: .010000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: degrees Lower Limit: -50.000 degrees Upper Limit: 50.000 degrees Default: 0	Sets a sync phase offset to accommodate sync across transformer with phase shift	Master Sync Control
42413	System Phase Rotation	Read/ Write	0: L1-L2-L3 1: L1-L3-L2 Default: L1-L2-L3		Defines what the system phase rotation sequence is	System Information
42414	kW Kp	Read/ Write	Multiplier: 1.00000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: .000 Upper Limit: 1000.000 Default: 60	Proportional gain for kW closed loop control in extended paralleling	Master Load Control
42415	kW KI	Read/ Write	Multiplier: 1.00000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: .000 Upper Limit: 255.000 Default: 60	Integral gain for kW closed loop control in extended paralleling	Master Load Control
42416	kVAR Kp	Read/ Write	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: .000 Upper Limit: 1000.000 Default: 120	Proportional gain for kVAR closed loop control in extended paralleling	Master Load Control
42417	kVAR K1	Read/ Write	Multiplier: 1.00000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: .000 Upper Limit: 255.000 Default: 50	Integral gain for kVAR closed loop control in extended paralleling	Master Load Control
42418	Scheduler Program Select	Read/ Write	Multiplier: 1.00000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: 1.000 Upper Limit: 12.000 Default: 1	Selects which scheduler program to view or edit	System Scheduler
42419	Scheduler Program Enable	Read/ Write	0: Disable 1: Enable Default: Disable		Use to enable or disable the selected program	System Scheduler

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Addr.	System Name	Access	Specifications		Description	Function
42420	Scheduler Program x Repeats Interval	Read/ Write	0: Once 1: Every Week 2: Every 2 Weeks 3: Every 3 Weeks 4: Every 4 Weeks 5: Every 5 Weeks 6: First Week of the Month 7: Second Week of the Month 8: Third Week of the Month 9: Forth Week of the Month 10: Last Week of the Month Default: Once		use to adjust repeat interval for the selected program	System Scheduler
42421	Scheduler Program x Run Mode	Read/ Write	0: No Load 1: With Load 2: Extended Parallel Default: No Load		Use to adjust run mode for the selected program	System Scheduler
42422	Scheduler Program x Start Day	Read/ Write	0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday Default: Sunday		Use to adjust start day of week for the selected program	System Scheduler
42423	Scheduler Program x Start Hour	Read/ Write	Multiplier: 1.00000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: hour Lower Limit: .000 hour Upper Limit: 23.000 hour Default: 0	Use to adjust start hour for the selected program	System Scheduler
42424	Scheduler Program x Start Minute	Read/ Write	Multiplier: 1.00000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: minute Lower Limit: .000 minute Upper Limit: 59.000 minute Default: 0	Use to adjust start minute for the selected program	System Scheduler
42425	Scheduler Program x Duration Hours	Read/ Write	Multiplier: 1.00000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: hour Lower Limit: .000 hour Upper Limit: 23.000 hour Default: 0	Use to adjust duration hours for the selected program	System Scheduler

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Addr.	System Name	Access	Specifications		Description	Function
42426	Scheduler Program x Duration Minutes	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: minute Lower Limit: .000 minute Upper Limit: 59.000 minute Default: 0	Use to adjust duration minute for the selected program	System Scheduler
42427	Scheduler Exception Select	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: 1.000 Upper Limit: 6.000 Default: 1	Selects which scheduler exception to view or edit	System Scheduler
42428	Scheduler Exception x Enable	Read/ Write	0: Disable 1: Enable Default: Disable		Use to enable or disable the selected exception	System Scheduler
42429	Scheduler Exception x Repeat	Read/ Write	0: Once Only 1: Every Year Default: Only Once		Use to adjust the repeat setting of the selected exception	System Scheduler
42430	Scheduler Exception x Month	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: month Lower Limit: 1.000 month Upper Limit: 12.000 month Default: 1	Use to adjust the month of the selected exception	System Scheduler
42431	Scheduler Exception x Date	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: date Lower Limit: 1.000 date Upper Limit: 31.000 date Default: 1	Use to adjust the start date of the selected exception	System Scheduler
42432	Scheduler Exception x Hour	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: hour Lower Limit: .000 hour Upper Limit: 23.000 hour Default: 0	Use to adjust the start hour of the selected exception	System Scheduler
42433	Scheduler Exception x Duration Minute	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: minute Lower Limit: .000 minute Upper Limit: 59.000 minute Default: 0	Use to adjust the start minute of the selected exception	System Scheduler

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Addr.	System Name	Access	Specifications		Description	Function
42434	Scheduler Exception x Duration Days	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: days Lower Limit: .000 days Upper Limit: 44.000 days Default: 0	Use to adjust the duration days of the selected exception	System Scheduler
42435	Scheduler Exception x Duration Hours	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: hour Lower Limit: .000 hour Upper Limit: 23.000 hour Default: 0	Use to adjust the duration hours of the selected exception	System Scheduler
42436	Scheduler Exception x Duration Minutes	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: minute Lower Limit: .000: minute Upper Limit: 59.000: minute Default: 0	Use to adjust the duration minutes of the selected exception	System Scheduler
42437	Daylight Saving Time Enable	Read/ Write	0: Disable 1: Enable Default: Disable		Enables the daylight savings time feature	Real Time Clock
42438	Load Demand Refresh Sequence Command	Read/ Write	0: Do Nothing 1: Refresh Sequence Default: Do Nothing		Use to force a refresh of the active load demand sequence	Load Demand Control
42439	Genset Connection Type	Read/ Write	0: Wye 1: Delta Default: Wye		Delta or wye for generator set connection	AC Setup
42440	Genset PT Primary Voltage	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size(bits): 16 Sign: U	Unit: Volts Lower Limit: 100.000 Volts Upper Limit: 45000.000 Volts Default: 480	Generator set PT primary voltage	AC Setup
42441	Genset PT Secondary Voltage	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size(bits): 16 Sign: U	Unit: Volts Lower Limit: 100.000 Volts Upper Limit: 500.000 Volts Default: 120	Generator set PT secondary voltage	AC Setup
42442	Genset CT Primary Current	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size(bits): 16 Sign: U	Unit: Amps Lower Limit: 5.000 Amps Upper Limit: 25000.000 Volts Default: 100	Generator set CT primary current	AC Setup

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Addr.	System Name	Access	Specifications		Description	Function
42443	Genset CT Secondary Current	Read/ Write	0: 1 Amp 1: 5 Amp Default: 5 Amp		Generator set CT secondary current	AC Setup
42444	Utility Connection Type	Read/ Write	0: Wye 1: Delta Default: Wye		Delta or wye for utility connection	AC Setup
42445	Utility PT Primary Voltage	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size(bits): 16 Sign: U	Unit: Volts Lower Limit: 100.000 Volts Upper Limit: 45000.000 Volts Default: 480	Utility PT primary voltage	AC Setup
42446	Utility PT Secondary Voltage	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size(bits): 16 Sign: U	Unit: Volts Lower Limit: 100.000 Volts Upper Limit: 500.000 Volts Default: 120	Utility PT secondary voltage	AC Setup
42447	Utility CT Primary Current	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size(bits): 16 Sign: U	Unit: Amps Lower Limit: 5.000 Amps Upper Limit: 25000.000 Amps Default: 100	Utility CT primary current	AC Setup
42448	Utility CT Secondary Current	Read/ Write	0: 1 Amp 1: 5 Amp Default: 5 Amp		Utility CT secondary current	AC Setup
42449	Load Add Shed Required Online Capacity	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size(bits): 16 Sign: S	Unit: kW Lower Limit: .000 kW Upper Limit: 32767.000 kW Default: 0	Generator set kW capacity that must be online to start timed load add : 0 disables this	Load Add Shed Control
42450	Load Demand Minimum Online Capacity	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size(bits): 16 Sign: S	Unit: kW Lower Limit: .000 kW Upper Limit: 32767.000 kW Default: 0	Sets how much capacity must always be online regardless of what the load is	Load Demand Control

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Addr.	System Name	Access	Specifications		Description	Function
42451	Load Demand Restart Delay	Read/ Write	Multiplier: .100000000000 Offset: 0 Size(bits): 16 Sign: U	Unit: second Lower Limit: .000 second Upper Limit: 25.000 second Default: 1	Sets generator restart delay time to avoid nuisance restarts due to load transients	Load Demand Control
42452	Utility Available Current	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size(bits): 16 Sign: U	Unit: Amps Lower Limit: 1.000 Amps Upper Limit: 32000.000 Amps Default: 1000	Use to set how many amps = 100% utility kW - used by bargraph	AC Setup
42453	Total Utility Capacity	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size(bits): 16 Sign: S	Unit: kW Lower Limit: 1.000 kW Upper Limit: 32000.000 kW Default: 1000	Use to set hoe many kW = 100% utility kW - used by bargraph	AC Setup
42454	Nominal Battery Voltage	Read/ Write	0: 12V 1: 24V Default: 24V		DC voltage provided to the control	Battery Voltage Protection
42455	24V High Battery Voltage Threshold	Read/ Write	Multiplier: .0100000000000 Offset: 0 Size(bits): 16 Sign: U	Unit: VDC Lower Limit: 28.000 VDC Upper Limit: 34.000 VDC Default: 32	Sets 24V high battery voltage fault threshold	Battery Voltage Protection
42456	24V Low Battery Voltage Threshold	Read/ Write	Multiplier: .0100000000000 Offset: 0 Size(bits): 16 Sign: U	Unit: VDC Lower Limit: 22.000 VDC Upper Limit: 26.000 VDC Default: 24	Sets 24V low battery voltage fault threshold	Battery Voltage Protection
42457	12V High Battery Voltage Threshold	Read/ Write	Multiplier: .0100000000 Offset: 0 Size(bits): 16 Sign: U	Unit: VDC Lower Limit: 14.000 VDC Upper Limit: 17.000 VDC Default: 16	Sets 12V high battery voltage fault threshold	Battery Voltage Protection
42458	12 V Low Battery Voltage Threshold	Read/ Write	Multiplier: .010000000000 Offset: 0 Size(bits): 16 Sign: U	Unit: VDC Lower Limit: 11.000 VDC Upper Limit: 13.000 VDC Default: 12	Sets 12V low battery voltage fault threshold	Battery Voltage Protection

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Addr.	System Name	Access	Specifications		Description	Function
42459	High Battery Voltage Set Time	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size(bits): 16 Sign: U	Unit: second Lower Limit: 2.000 second Upper Limit: 60.000 second Default: 60	Sets high battery voltage set time	Battery Voltage Protection
42460	Low Battery Voltage Set Time	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size(bits): 16 Sign: U	Unit: second Lower Limit: 2.000 second Upper Limit: 60.000 second Default: 60	Sets low battery voltage set time	Battery Voltage Protection
42461	Genset Online Capacity Sensor Enable	Read/ Write	0: Disable 1: Enable Default: Disable		Used to enable or disable the generator set online capacity sensor	PTC Sensors
42462	Genset Online Capacity Sensor Threshold	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size(bits): 16 Sign: S	Unit: kW Lower Limit: .000 kW Upper Limit: 32000.000 kW Default: 0	Sets the online kW threshold at which generator set bus is available for loading	PTC Sensors
42463	Nominal Battery Voltage Check Enable	Read/ Write	0: Disable 1: Enable Default: Disable		Use to enable or disable the nominal battery voltage monitoring	Battery Voltage Protection
42464	Configurable Output1 Code	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size(bits): 16 Sign: U	Unit: NA Lower Limit: .000 Upper Limit: 65535.000 Default: 1483	Event or fault code tied to configurable output 1	Discrete Outputs
42465	Configurable Output2 Code	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size(bits): 16 Sign: U	Unit: NA Lower Limit: .000 Upper Limit: 65535.000 Default: 1457	Event or fault code tied to configurable output 2	Discrete Outputs
42466	Configurable Output3 Code	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size(bits): 16 Sign: U	Unit: NA Lower Limit: .000 Upper Limit: 65535.000 Default: 2965	Event or fault code tied to configurable output 3	Discrete Outputs

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Addr.	System Name	Access	Specifications		Description	Function
42467	Configurable Output4 Code	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size(bits): 16 Sign: U	Unit: NA Lower Limit: .000 Upper Limit: 65535.000 Default: 2328	Event or fault code tied to configurable output 4	Discrete Outputs
42468	Configurable Output5 Code	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size(bits): 16 Sign: U	Unit: NA Lower Limit: .000 Upper Limit: 65535.000 Default: 1121	Event or fault code tied to configurable output 5	Discrete Outputs
42469	Configurable Output6 Code	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size(bits): 16 Sign: U	Unit: NA Lower Limit: .000 Upper Limit: 65535.000 Default: 1916	Event or fault code tied to configurable output 6	Discrete Outputs
42470	Configurable Output7 Code	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size(bits): 16 Sign: U	Unit: NA Lower Limit: .000 Upper Limit: 65535.000 Default: 0	Event or fault code tied to configurable output 7	Discrete Outputs
42471	Configurable Output8 Code	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size(bits): 16 Sign: U	Unit: NA Lower Limit: .000 Upper Limit: 65535.000 Default: 343	Event or fault code tied to configurable output 8	Discrete Outputs
42472	Gen Bus Base Load Status	Read/ Write	0: None 1: Breaker 2: ATS Default: None		Indicates that the generator bus is on base load extended paralleling	System Information
42473	Util Bus Peak Shave Status	Read/ Write	0: None 1: Breaker 2: ATS Default: None		Indicates that the utility bus is on peak shave extended paralleling	System Information
42474	Load 7 Device Type	Read/ Write	0: None 1: Breaker 2: ATS Default: None		Indicates type of load connected to load 7 add shed control and status I/O	Load Add Shed Control

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Addr.	System Name	Access	Specifications		Description	Function
42475	Load 8 Device Type	Read/ Write	0: None 1: Breaker 2: ATS Default: None		Indicates type of load connected to load 8 add shed control and status I/O	Load Add Shed Control
42476	Load 9 Device Type	Read/ Write	0: None 1: Breaker 2: ATS Default: None		Indicates type of load connected to load 9 add shed control and status I/O	Load Add Shed Control
42477	Load 10 Device Type	Read/ Write	0: None 1: Breaker 2: ATS Default: None		Indicates type of load connected to load 10 add shed control and status I/O	Load Add Shed Control
42478	Load 7 Add Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: .000 Upper Limit: 17.000 Default: 7	Indicates which add level load 7 is assigned to	Load Add Shed Control
42479	Load 8 Add Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: 1.000 Upper Limit: 18.000 Default: 8	Indicates which add level load 8 is assigned to	Load Add Shed control
42480	Load 9 Add Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: 1.000 Upper Limit: 18.000 Default: 9	Indicates which add level load 9 is assigned to	Load Add Shed control
42481	Load 10 Add Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: 1.000 Upper Limit: 18.000 Default: 10	Indicates which add level load 10 is assigned to	Load Add Shed control
42482	Load 7 Shed Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: .000 Upper Limit: 17.000 Default: 6	Indicates which shed level load 7 is assigned to	Load Add Shed control

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Addr.	System Name	Access	Specifications		Description	Function
42483	Load 8 Shed Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: .000 Upper Limit: 17.000 Default: 7	Indicates which shed level load 8 is assigned to	Load Add Shed control

Addr.	System Name	Access	Specifications		Description	Function
42484	Load 9 Shed Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: .000 Upper Limit: 17.000 Default: 8	Indicates which shed level load 9 is assigned to	Load Add Shed control
42485	Load 10 Shed Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: .000 Upper Limit: 17.000 Default: 9	Indicates which shed level load 10 is assigned to	Load Add Shed control
42486	Load Demand Threshold Method	Read/ Write	0: %kW 1: kW Default: %kW		Selects whether to shutdown / restart generator sets based on %kW or absolute kW	Load Add Shed control
42487	Load Demand Restart kW Threshold	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: .000 kW Upper Limit: 32000.000 kW Default: 500	Sets minimum kW reserve capacity when threshold method is absolute kW	Load Add Shed control
42488	Load Demand Shutdown kW Threshold	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: .000 kW Upper Limit: 32000.000 kW Default: 1000	Sets maximum kW reserve capacity when threshold method is absolute kW	Load Add Shed control

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Addr.	System Name	Access	Specifications	Description	Function
42489	Load Demand GenE	Read/ Write	0: Gen1 1: Gen2 2: Gen3 3: Gen4 4: Gen5 5: Gen6 6: Gen7 7: Gen8 8: Gen9 9: Gen10 10: Gen11 11: Gen12 12: Gen13 13: Gen14 14: Gen15 15: Gen16 Default: Gen5	Sets GenE for fixed sequence load demand	Load Demand Control
42490	Load Demand GenF	Read/ Write	0: Gen1 1: Gen2 2: Gen3 3: Gen4 4: Gen5 5: Gen6 6: Gen7 7: Gen8 8: Gen9 9: Gen10 10: Gen11 11: Gen12 12: Gen13 13: Gen14 14: Gen15 15: Gen16 Default: Gen6	Sets GenF for fixed sequence load demand	Load Demand Control

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Addr.	System Name	Access	Specifications		Description	Function
42491	Load Demand GenG	Read/ Write	0: Gen1 1: Gen2 2: Gen3 3: Gen4 4: Gen5 5: Gen6 6: Gen7 7: Gen8 8: Gen9 9: Gen10 10: Gen11 11: Gen12 12: Gen13 13: Gen14 14: Gen15 15: Gen16 Default: Gen7		Sets GenG for fixed sequence load demand	Load Demand Control
42492	Load Demand GenH	Read/ Write	0: Gen1 1: Gen2 2: Gen3 3: Gen4 4: Gen5 5: Gen6 6: Gen7 7: Gen8 8: Gen9 9: Gen10 10: Gen11 11: Gen12 12: Gen13 13: Gen14 14: Gen15 15: Gen16 Default: Gen8		Sets GenH for fixed sequence load demand	Load Demand Control
42494	Virtual Gen Main Fail to Open Delay	Read/ Write	Multiplier: .200000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: second Lower Limit: 2.000 second Upper Limit: 30.000 second Default: 5	Sets how long to wait for generator set paralleling circuit breakers to open when no generator main	Breaker Control

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Addr.	System Name	Access	Specifications		Description	Function
42495	Genset 13 kW Rating	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: .000 kW Upper Limit: 32000.000 kW Default: 0	Sets generator 13 kW rating	System Information
42496	Genset 14kW Rating	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: .000 kW Upper Limit: 32000.000 kW Default: 0	Sets generator 14 kW rating	System Information
42497	Genset 15kW Rating	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: .000 kW Upper Limit: 32000.000 kW Default: 0	Sets generator 15 kW rating	System Information
42498	Genset 16kW Rating	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: .000 kW Upper Limit: 32000.000 kW Default: 0	Sets generator 16 kW rating	System Information
42500	Fault Status BitMap 1	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: U	Unit: NA Lower Limit: Upper Limit: Default: 0	Bitmapped state of utility and other faults - 32 bits	Fault and Event Info
42502	Fault Status BitMap 2	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: U	Unit: NA Lower Limit: Upper Limit: Default: 0	Bitmapped state of generator set and other faults - 32 bits	Fault and Event Info
42505	Event Status BitMap 1	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: U	Unit: NA Lower Limit: Upper Limit: Default: 0	Bitmapped state of events - 32 bits	Fault and Event Info
42506	Genset Metering Fault Status	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: Upper Limit: Default: 0	Bit mapped word with status of generator set AC metering out of range conditions	AC Interrupt Service

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Addr.	System Name	Access	Specifications		Description	Function
42507	Utility Metering Fault Status	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: Upper Limit: Default: 0	Bit mapped word with status of utility AC metering out of range conditions	AC Interrupt Service
42600	Extended Parallel Start Vol	Read / Write	0: Stop 1: Start Default: Stop		State of extended parallel start volatile input	Discrete Inputs
42601	Synchronizer Enable Vol	Read / Write	0: Inactive 1: Active Default: Inactive		State of synchronizer enable volatile input	Discrete Inputs
42602	Utility Source Fail Vol	Read / Write	0: Inactive 1: Active Default: Inactive		State of utility source failure volatile input	Discrete Inputs
42603	Transfer Inhibit Vol	Read / Write	0: No Inhibit 1: Inhibit Default: No Inhibit		State of transfer inhibit volatile input	Discrete Inputs
42604	Retransfer Inhibit Vol	Read / Write	0: No Inhibit 1: Inhibit Default: No Inhibit		State of retransfer inhibit volatile input	Discrete Inputs
42605	Gen CB Inhibit Vol	Read / Write	0: No Inhibit 1: Inhibit Default: No Inhibit		State of generator CB inhibit volatile input	Discrete Inputs
42606	Utility CB Inhibit Vol	Read / Write	0: No Inhibit 1: Inhibit Default: No Inhibit		State of utility CB inhibit volatile input	Discrete Inputs
42607	Auto/Manual Vol	Read/ Write	0: Auto 1: Manual Default: Auto		State of auto/manual volatile input	Discrete Inputs
42608	Test Start Vol	Read/ Write	0: Stop 1: Start Default: Stop		state of test start volatile input	Discrete Inputs
42609	Fault Reset Vol	Read/ Write	0: No Reset 1: Reset Default: No Reset		state of fault reset volatile input	Discrete Inputs
42610	Override Vol	Read/ Write	0: No Override 1: Override Default: No Override		State of override volatile input	Discrete Inputs

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Addr.	System Name	Access	Specifications	Description	Function
42611	Extended Parallel Start Sw	Read Only	0: Stop 1: Start Default:	State of extended parallel start input	Discrete Inputs
42612	Synchronizer Enable Sw	Read Only	0: Inactive 1: Active Default:	State of synchronizer enable input	Discrete Inputs
42613	Utility Source Failure Sw	Read Only	0: Inactive 1: Active Default:	State of utility source failure input	Discrete Inputs
42614	Transfer Inhibit Sw	Read Only	0: No Inhibit 1: Inhibit Default:	Status of transfer inhibit input	Discrete Inputs
42615	Retransfer Inhibit Sw	Read Only	0: No Inhibit 1: Inhibit Default:	Status of retransfer inhibit input	Discrete Inputs
42616	Gen CB Inhibit Sw	Read Only	0: No Inhibit 1: Inhibit Default:	State of generator CB inhibit input	Discrete Inputs
42617	Utility CB Inhibit Sw	Read Only	0: No Inhibit 1: Inhibit Default:	State of utility CB inhibit input	Discrete Inputs
42618	Auto/Manual Sw	Read Only	0: Auto 1: Manual Default:	State of auto / manual input	Discrete Inputs
42619	Test Start Sw	Read Only	0: Stop 1: Start Default:	State of test start input	Discrete Inputs
42620	Fault Reset Sw	Read Only	0: No Reset 1: Reset Default:	State of fault reset input	Discrete Inputs
42621	Override Sw	Read Only	0: No Override 1: Override Default:	State of override input	Discrete Inputs
42622	Master Inhibit	Read Only	0: No Inhibit 1: Inhibit Default:	Indicates state of Master priority inhibit	Priority Control
42623	Genset CB Tripped Sw	Read Only	0: Inactive 1: Active Default:	State of generator CB tripped input	Discrete Inputs

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Addr.	System Name	Access	Specifications	Description	Function
42624	Genset CB Tripped Vol	Read/ Write	0: Inactive 1: Active Default: Inactive	State of generator CB tripped volatile input	Discrete Inputs
42625	Utility CB Tripped Sw	Read Only	0: Inactive 1: Active Default:	State of Utility CB tripped input	Discrete Inputs
42626	Util CB Tripped Vol	Read/ Write	0: Inactive 1: Active Default: Inactive	State of Utility CB tripped volatile input	Discrete Inputs
42627	Genset Phase Rotation	Read Only	0: L1-L2-L3 1: L1-L3-L2 Default:	Generator set phase rotation	Phase
42628	Utility Phase Rotation	Read Only	0: L1-L2-L3 1: L1-L3-L2 Default:	Utility phase rotation	Phase
42929	Gen1 CB Position Sw	Read Only	0: Breaker Open 1: Breaker Closed Default: Open	State of Gen1 CB position input	Discrete Inputs
42630	Gen1 CB Position Vol	Read/ Write	0: Breaker Open 1: Breaker Closed Default: Open	State of Gen1 CB volatile input	Discrete Inputs
42631	Gen2 CB Position Sw	Read Only	0: Breaker Open 1: Breaker Closed Default:	State of Gen2 CB position input	Discrete Inputs
42632	Gen2 CB Position Vol	Read/ Write	0: Breaker Open 1: Breaker Closed Default: Open	State of Gen2 CB volatile input	Discrete Inputs
42633	Gen3 CB Position Sw	Read Only	0: Breaker Open 1: Breaker Closed Default:	State of Gen3 CB position input	Discrete Inputs
42634	Gen3 CB Position Vol	Read/ Write	0: Breaker Open 1: Breaker Closed Default: Open	State of Gen3 CB volatile input	Discrete Inputs
42635	Gen4 CB Position Sw	Read Only	0: Breaker Open 1: Breaker Closed Default:	State of Gen4 CB position input	Discrete Inputs
42636	Gen4 CB Position Vol	Read/ Write	0: Breaker Open 1: Breaker Closed Default: Open	State of Gen4 CB volatile input	Discrete Inputs

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Addr.	System Name	Access	Specifications	Description	Function
42637	Network Master Inhibit	Read/ Write	0: No Inhibit 1: Inhibit Default: No Inhibit	Use to manually inhibit the module	Priority Control
42638	Gen5 CB Position Sw	Read Only	0: Breaker Open 1: Breaker Closed Default:	State of Gen5 CB position input	Discrete Inputs
42639	Gen5 CB Position Vol	Read/ Write	0: Breaker Open 1: Breaker Closed Default: Open	State of Gen5 CB position volatile input	Discrete Inputs
42640	Gen6 CB Position Sw	Read Only	0: Breaker Open 1: Breaker Closed Default:	State of Gen6 CB position input	Discrete Inputs
42641	Gen6 CB Position Vol	Read/ Write	0: Breaker Open 1: Breaker Closed Default: Open	State of Gen6 CB position volatile input	Discrete Inputs
42642	Gen7 CB Position Sw	Read Only	0: Breaker Open 1: Breaker Closed Default:	State of Gen7 CB position input	Discrete Inputs
42643	Gen7 CB Position Vol	Read/ Write	0: Breaker Open 1: Breaker Closed Default: Open	State of Gen7 CB position volatile input	Discrete Inputs
42644	Gen8 CB Position Sw	Read Only	0: Breaker Open 1: Breaker Closed Default:	State of Gen8 CB position input	Discrete Inputs
42645	Gen8 CB Position Vol	Read/ Write	0: Breaker Open 1: Breaker Closed Default: Open	State of Gen8 CB position volatile input	Discrete Inputs
42646	ATS 7 Position	Read Only	0: Not Available 1: No Source Connected 2: Source 1 Connected 3: Source 2 Connected 4: Paralleled Default: Not Available	Indicates position status of ATS 7	Load Add Shed Control
42647	ATS 8 Position	Read Only	0: Not Available 1: No Source Connected 2: Source 1 Connected 3: Source 2 Connected 4: Paralleled Default: Not Available	Indicates position status of ATS 8	Load Add Shed Control

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Addr.	System Name	Access	Specifications	Description	Function
42648	ATS 9 Position	Read Only	0: Not Available 1: No Source Connected 2: Source 1 Connected 3: Source 2 Connected 4: Paralleled Default: Not Available	Indicates position status of ATS 9	Load Add Shed Control
42649	ATS 10 Position	Read Only	0: Not Available 1: No Source Connected 2: Source 1 Connected 3: Source 2 Connected 4: Paralleled Default: Not Available	Indicates position status of ATS 10	Load Add Shed Control
42650	Breaker 7 Position	Read Only	0: Open 1: Closed 2: Not Available Default: Not Available	Indicates position status of breaker 7	Load Add Shed Control
42651	Breaker 8 Position	Read Only	0: Open 1: Closed 2: Not Available Default: Not Available	Indicates position status of breaker 8	Load Add Shed Control
42652	Breaker 9 Position	Read Only	0: Open 1: Closed 2: Not Available Default: Not Available	Indicates position status of breaker 9	Load Add Shed Control
42653	Breaker 10 Position	Read Only	0: Open 1: Closed 2: Not Available Default: Not Available	Indicates position status of breaker 10	Load Add Shed Control
42654	Breaker 7 Trip Status	Read Only	0: Not Available 1: Normal 2: Tripped Default: Not Available	Indicates trip status of breaker 7	Load Add Shed Control
42655	Breaker 8 Trip Status	Read Only	0: Not Available 1: Normal 2: Tripped Default: Not Available	Indicates trip status of breaker 8	Load Add Shed Control
42656	Breaker 9 Trip Status	Read Only	0: Not Available 1: Normal 2: Tripped Default: Not Available	Indicates trip status of breaker 9	Load Add Shed Control

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Addr.	System Name	Access	Specifications	Description	Function
42657	Breaker 10 trip Status	Read Only	0: Not Available 1: Normal 2: Tripped Default: Not Available	Indicates trip status of breaker 10	Load Add Shed Control
42658	Gen9 CB Position Sw	Read Only	0: Breaker Open 1: Breaker Closed Default:	State of Gen9 CB position input	Discrete Inputs
42659	Gen9 CB Position Vol	Read/ Write	0: Breaker Open 1: Breaker Closed Default: Open	State of Gen9 CB position volatile input	Discrete Inputs
42660	Gen10 CB Position Sw	Read Only	0: Breaker Open 1: Breaker Closed Default:	State of Gen10 CB position input	Discrete Inputs
42661	Gen10 CB Position Vol	Read/ Write	0: Breaker Open 1: Breaker Closed Default: Open	State of Gen10 CB position volatile input	Discrete Inputs
42662	Gen11 CB Position Sw	Read Only	0: Breaker Open 1: Breaker Closed Default:	State of Gen11 CB position input	Discrete Inputs
42663	Gen11 CB Position Vol	Read/ Write	0: Breaker Open 1: Breaker Closed Default: Open	State of Gen11 CB position volatile input	Discrete Inputs
42664	Gen12 CB Position Sw	Read Only	0: Breaker Open 1: Breaker Closed Default:	State of Gen12 CB position input	Discrete Inputs
42665	Gen12 CB Position Vol	Read/ Write	0: Breaker Open 1: Breaker Closed Default: Open	State of Gen12 CB position volatile input	Discrete Inputs
42666	Gen13 CB Position Sw	Read Only	0: Breaker Open 1: Breaker Closed Default:	State of Gen13 CB position input	Discrete Inputs
42667	Gen13 CB Position Vol	Read/ Write	0: Breaker Open 1: Breaker Closed Default: Open	State of Gen13 CB position volatile input	Discrete Inputs
42668	Gen14 CB Position Sw	Read Only	0: Breaker Open 1: Breaker Closed Default:	State of Gen 14 CB position input	Discrete Inputs
42669	Gen14 CB Position Vol	Read/ Write	0: Breaker Open 1: Breaker Closed Default: Open	State of Gen 14 CB position volatile input	Discrete Inputs

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Addr.	System Name	Access	Specifications	Description	Function
42670	Gen15 CB Position Sw	Read Only	0: Breaker Open 1: Breaker Closed Default:	State of Gen 15 CB position input	Discrete Inputs
42671	Gen15 CB Position Vol	Read/ Write	0: Breaker Open 1: Breaker Closed Default: Open	State of Gen 15 CB position volatile input	Discrete Inputs
42672	Gen16 CB Position Sw	Read Only	0: Breaker Open 1: Breaker Closed Default:	State of Gen 16 CB position input	Discrete Inputs
42673	Gen16 CB Position Vol	Read/ Write	0: Breaker Open 1: Breaker Closed Default: Open	State of Gen 16 CB position volatile input	Discrete Inputs
42674	ATS 11 Position	Read Only	0: Not Available 1: No Source Connected 2: Source 1 Connected 3: Source 2 Connected 4: Paralleled Default: Not Available	Indicates position status of ATS 11	Load Add Shed Control
42675	ATS 12 Position	Read Only	0: Not Available 1: No Source Connected 2: Source 1 Connected 3: Source 2 Connected 4: Paralleled Default: Not Available	Indicates position status of ATS 12	Load Add Shed Control
42676	ATS 13 Position	Read Only	0: Not Available 1: No Source Connected 2: Source 1 Connected 3: Source 2 Connected 4: Paralleled Default: Not Available	Indicates position status of ATS 13	Load Add Shed Control
42677	ATS 14 Position	Read Only	0: Not Available 1: No Source Connected 2: Source 1 Connected 3: Source 2 Connected 4: Paralleled Default: Not Available	Indicates position status of ATS 14	Load Add Shed Control
42678	ATS 15 Position	Read Only	0: Not Available 1: No Source Connected 2: Source 1 Connected 3: Source 2 Connected 4: Paralleled Default: Not Available	Indicates position status of ATS 15	Load Add Shed Control

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Addr.	System Name	Access	Specifications	Description	Function
42679	ATS 16 Position	Read Only	0: Not Available 1: No Source Connected 2: Source 1 Connected 3: Source 2 Connected 4: Paralleled Default: Not Available	Indicates position status of ATS 16	Load Add Shed Control
42680	ATS 17 Position	Read Only	0: Not Available 1: No Source Connected 2: Source 1 Connected 3: Source 2 Connected 4: Paralleled Default: Not Available	Indicates position status of ATS 17	Load Add Shed Control
42681	ATS 18 Position	Read Only	0: Not Available 1: No Source Connected 2: Source 1 Connected 3: Source 2 Connected 4: Paralleled Default: Not Available	Indicates position status of ATS 18	Load Add Shed Control
42682	Breaker 11 Position	Read Only	0: Open 1: Closed 2: Not Available Default: Not Available	Indicates position status of breaker 11	Load Add Shed Control
42683	Breaker 12 Position	Read Only	0: Open 1: Closed 2: Not Available Default: Not Available	Indicates position status of breaker 12	Load Add Shed Control
42684	Breaker 13 Position	Read Only	0: Open 1: Closed 2: Not Available Default: Not Available	Indicates position status of breaker 13	Load Add Shed Control
42685	Breaker 14 Position	Read Only	0: Open 1: Closed 2: Not Available Default: Not Available	Indicates position status of breaker 14	Load Add Shed Control
42686	Breaker 15 Position	Read Only	0: Open 1: Closed 2: Not Available Default: Not Available	Indicates position status of breaker 15	Load Add Shed Control
42687	Breaker 16 Position	Read Only	0: Open 1: Closed 2: Not Available Default: Not Available	Indicates position status of breaker 16	Load Add Shed Control

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Addr.	System Name	Access	Specifications	Description	Function
42688	Breaker 17 Position	Read Only	0: Open 1: Closed 2: Not Available Default: Not Available	Indicates position status of breaker 17	Load Add Shed Control
42689	Breaker 18 Position	Read Only	0: Open 1: Closed 2: Not Available Default: Not Available	Indicates position status of breaker 18	Load Add Shed Control
42690	Breaker 11 Trip Status	Read Only	0: Not Available 1: Normal 2: Tripped Default: Not Available	Indicates trip status of breaker 11	Load Add Shed Control
42691	Breaker 12 Trip Status	Read Only	0: Not Available 1: Normal 2: Tripped Default: Not Available	Indicates trip status of breaker 12	Load Add Shed Control
42692	Breaker 13 Trip Status	Read Only	0: Not Available 1: Normal 2: Tripped Default: Not Available	Indicates trip status of breaker 13	Load Add Shed Control
42693	Breaker 14 Trip Status	Read Only	0: Not Available 1: Normal 2: Tripped Default: Not Available	Indicates trip status of breaker 14	Load Add Shed Control
42694	Breaker 15 Trip Status	Read Only	0: Not Available 1: Normal 2: Tripped Default: Not Available	Indicates trip status of breaker 15	Load Add Shed Control
42695	Breaker 16 Trip Status	Read Only	0: Not Available 1: Normal 2: Tripped Default: Not Available	Indicates trip status of breaker 16	Load Add Shed Control
42696	Breaker 17 Trip Status	Read Only	0: Not Available 1: Normal 2: Tripped Default: Not Available	Indicates trip status of breaker 17	Load Add Shed Control
42697	Breaker 18 Trip Status	Read Only	0: Not Available 1: Normal 2: Tripped Default: Not Available	Indicates trip status of breaker 18	Load Add Shed Control

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Addr.	System Name	Access	Specifications		Description	Function
42698	Load Add Shed Enable Status	Read Only	0: Disabled 1: Enabled 2: Paused Default:		Indicates the overall state of the load add shed function	Load Add Shed Control
42699	PCCNet Status	Read Only	0: No Connection 1: Connected 2: Connecting Default:		Indicates overall state of the PCCNet communication s bus	Communications
42700	Gen1 Availability State	Read Only	0: Gen Does Not Exist 1: Offline 2: Waiting For Gen 3: Online 4: Failed Default:		For load demand use - indicates status of Gen1	Load Demand Control
42701	Gen2 Availability State	Read Only	0: Gen Does Not Exist 1: Offline 2: Waiting For Gen 3: Online 4: Failed Default:		For load demand use - indicates status of Gen2	Load Demand Control
42702	Gen3 Availability State	Read Only	0: Gen Does Not Exist 1: Offline 2: Waiting For Gen 3: Online 4: Failed Default:		For load demand use - indicates status of Gen3	Load Demand Control
42703	Gen4 Availability State	Read Only	0: Gen Does Not Exist 1: Offline 2: Waiting For Gen 3: Online 4: Failed Default:		For load demand use - indicates status of Gen4	Load Demand Control
42704	Gen1 Online Time	Read Only	Multiplier: .000277777780 Offset: 0 Size (bits): 32 Sign: U	Unit: Hours Lower Limit:.000 Hours Upper Limit: 1193046.000 Hours Default: 0	Total online time for Gen1	System Information
42706	Gen2 Online Time	Read Only	Multiplier: .000277777780 Offset: 0 Size (bits): 32	Unit: Hours Lower Limit: .000 Hours Upper Limit: 1193046.000 Hours Default: 0	Total online time for Gen2	System Information
42708	Gen3 Online Time	Read Only	Multiplier: .000277777780 Offset: 0 Size (bits): 32	Unit: Hours Lower Limit: .000 Hours Upper Limit: 1193046.000 Hours Default: 0	Total online time for Gen3	System Information

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Addr.	System Name	Access	Specifications		Description	Function
42710	Gen4 Online Time	Read Only	Multiplier: .000277777780 Offset: 0 Size (bits): 32	Unit: Hours Lower Limit: .000 Hours Upper Limit: 1193046.000 Hours Default: 0	Total online time for Gen4	System Information
42712	GenA	Read Only	0: Gen1 1: Gen2 2: Gen3 3: Gen4 4: Gen5 5: Gen6 6: Gen7 7: Gen8 8: Gen9 9: Gen10 10: Gen11 11: Gen12 12: Gen13 13: Gen14 14: Gen15 15: Gen16 Default:		Indicates which generator set is currently GenA (never stops) for load demand	Load Demand Control
42713	GenB	Read Only	0: Gen1 1: Gen2 2: Gen3 3: Gen4 4: Gen5 5: Gen6 6: Gen7 7: Gen8 8: Gen9 9: Gen10 10: Gen11 11: Gen12 12: Gen13 13: Gen14 14: Gen15 15: Gen16 Default:		Indicates which generator set is currently GenB for load demand	Load Demand Control

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Addr.	System Name	Access	Specifications		Description	Function
42714	GenC	Read Only	0: Gen1 1: Gen2 2: Gen3 3: Gen4 4: Gen5 5: Gen6 6: Gen7 7: Gen8 8: Gen9 9: Gen10 10: Gen11 11: Gen12 12: Gen13 13: Gen14 14: Gen15 15: Gen16 Default:		Indicates which generator set is currently GenC for load demand	Load Demand Control
42715	GenD	Read Only	0: Gen1 1: Gen2 2: Gen3 3: Gen4 4: Gen5 5: Gen6 6: Gen7 7: Gen8 8: Gen9 9: Gen10 10: Gen11 11: Gen12 12: Gen13 13: Gen14 14: Gen15 15: Gen16 Default:		Indicates which generator sets is currently GenD for load demand	Load Demand Control
42716	Load Demand State	Read Only	0: Off 1: Initial Delay Timing 2: Load Monitor Default		Indicates operating state of the load demand control	Load Demand Control
42717	Total Number of Gensets Online	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: Upper Limit: Default:	Indicates how many of the generator sets are online which are sensed by CB position	System Information

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Addr.	System Name	Access	Specifications		Description	Function
42718	Total Spare Online Capacity	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: kW Upper Limit: kW Default:	Difference between sensed online capacity and generator set bus total kW	System Information
42719	Next Gen Shutdown Threshold	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: kW Upper Limit: kW Default:	Indicates kW threshold for generator bus at which next generator set will restart	Load Demand Control
42720	Next Gen Shutdown Threshold	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: kW Upper Limit: kW Default:	Indicates kW threshold for generator bus at which the next generator set will load demand stop	Load Demand Control
42721	Next Gen Restart	Read Only	0: Gen1 1: Gen2 2: Gen3 3: Gen4 4: Gen5 5: Gen6 6: Gen7 7: Gen8 8: Gen9 9: Gen10 10: Gen11 11: Gen12 12: Gen13 13: Gen14 14: Gen15 15: Gen16 Default:		Indicates which generator set is next to be restarted if load conditions are met	Load Demand Control

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Addr.	System Name	Access	Specifications		Description	Function
42722	Next Gen Shutdown	Read Only	0: Gen1 1: Gen2 2: Gen3 3: Gen4 4: Gen5 5: Gen6 6: Gen7 7: Gen8 8: Gen9 9: Gen10 10: Gen11 11: Gen12 12: Gen13 13: Gen14 14: Gen15 15: Gen16 Default:		Indicates which generator set is next to be stopped if load conditions are met	Load Demand Control
42723	Load Demand Gen1 Driver Status	Read Only	0: Run 1: Load Demand Stop Default:		Status of the load demand Gen1 driver output	Discrete Outputs
42724	Load Demand Gen2 Driver Status	Read Only	0: Run 1: Load Demand Stop Default:		Status of the load demand Gen2 driver output	Discrete Outputs
42725	Load Demand Gen3 Driver Status	Read Only	0: Run 1: Load Demand Stop Default:		Status of the load demand Gen3 driver output	Discrete Outputs
42726	Load Demand Gen4 Driver Status	Read Only	0: Run 1: Load Demand Stop Default:		Status of the load demand Gen4 driver output	Discrete Outputs
42727	Genset Bus kW Overload Status	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: S	Unit: kW Lower Limit: kW Upper Limit: kW Default:	Calculated kW overload threshold based on online capacity and % setting	System Information
42728	Genset Bus kW Overload Status	Read Only	0: No Overload 1: Overload Default:		Indicates whether generator bus is overloaded based on kW	System Information

Addr.	System Name	Access	Specifications		Description	Function
42729	Genset Bus Underfrequency Overload Status	Read Only	0: No Overload 1: Overload Default:		Indicates whether generator bus is overloaded based on frequency	System Information
42730	Active Schedule	Read Only	0: None 1: Program 1 2: Program 2 3: Program 3 4: Program 4 5: Program 5 6: Program 6 7: Program 7 8: Program 8 9: Program 9 10: Program 10 11: Program 11 12: Program 12 13: Exception 1 14: Exception 2 15: Exception 3 16: Exception 4 17: Exception 5 18: Exception 6 Default:		Indicates the currently active scheduler program or exception	System Scheduler
42731	Scheduler Run Command	Read Only	0: Off 1: No Load 2: With Load 3: Extended Parallel Default:		Indicates current run command coming from scheduler function	System Scheduler
42732	Modbus Bus Message Count	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: Upper Limit: Default:	Modbus message count	Communications
42733	Modbus CRC Error Count	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: Upper Limit: Default:	Modbus CRC error count	Communications

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Addr.	System Name	Access	Specifications		Description	Function
42734	Modbus Exception Count	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: Upper Limit: Default:	Modbus exception count	Communications
42735	Modbus No Response Count	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: Upper Limit: Default:	Modbus no response count	Communications
42736	Modbus Slave Message Count	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: Upper Limit: Default:	Modbus slave message count	Communications
42737	Modbus Clear Counters	Read/ Write	0: Do Nothing 1: Clear Counters Default: Do Nothing		Clears all Modbus counters	Communications
42738	Clock Mode	Read/ Write	0: Normal 1: Set Clock 2: Save Clock Default: Normal		Use to set clock and save setting	Real Time Clock
42739	Clock Year	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: year Lower Limit: .000 year Upper Limit: 99.000 year Default: Read from RTC chip	Use to set or read current year	Real Time Clock
42740	Clock Month	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: month Lower Limit: 1.000 month Upper Limit: 12.000 month Default: Read from RTC chip	Use to set or read current month	Real Time Clock
42741	Clock Date	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: date Lower Limit: 1.000 date Upper Limit: 31.000 date Default: Read from RTC chip	Use to set or read current date	Real Time Clock

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Addr.	System Name	Access	Specifications		Description	Function
42742	Clock Hour	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: hour Lower Limit: 1.000 hour Upper Limit: 23.000 hour Default: Read from RTC chip	Use to set or read current hour	Real Time Clock
42743	Clock Minute	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: minute Lower Limit: 1.000 minute Upper Limit: 59.000 minute Default: Read from RTC chip	Use to set or read current minute	Real Time Clock
42744	Clock Second	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: second Lower Limit: .000 second Upper Limit: 59.000 second Default: Read from RTC chip	Use to set or read current second	Real Time Clock
42745	Clock Day	Read Only	0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday Default:		Indicates day of the week for current date	Real Time Clock
42746	Start Timer	Read Only	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: seconds Lower Limit: seconds Upper Limit: seconds Default:	Countdown timer value for generator set start timer	PTC Operating Mode
42747	Stop Timer	Read Only	Multiplier: .100000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: seconds Lower Limit: seconds Upper Limit: seconds Default:	Countdown timer value for generator set stop timer	PTC Operating Mode
42748	Low Battery Voltage Threshold	Read Only	Multiplier: .010000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: VDC Lower Limit: VDC Upper Limit: VDC Default:	Battery voltage with respect to set low battery threshold	Battery Voltage Protection

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Addr.	System Name	Access	Specifications		Description	Function
42749	High Battery Voltage Threshold	Read Only	Multiplier: .010000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: VDC Lower Limit: VDC Upper Limit: VDC Default:	Battery voltage with respect to set high battery threshold	Battery Voltage Protection
42750	Gen5 Availability State	Read Only	0: Gen Does Not Exist 1: Offline 2: Waiting for Gen 3: Online 4: Failed Default:		For load demand use - indicates status of Gen5	Load Demand Control
42751	Gen6 Availability State	Read Only	0: Gen Does Not Exist 1: Offline 2: Waiting for Gen 3: Online 4: Failed Default:		For load demand use - indicates status of Gen6	Load Demand Control
42752	Gen7 Availability State	Read Only	0: Gen Does Not Exist 1: Offline 2: Waiting for Gen 3: Online 4: Failed Default:		For load demand use - indicates status of Gen7	Load Demand Control
42753	Gen8 Availability State	Read Only	0: Gen Does Not Exist 1: Offline 2: Waiting for Gen 3: Online 4: Failed Default:		For load demand use - indicates status of Gen8	Load Demand Control
42754	Load Demand Gen5 Driver Status	Read Only	0: Run 1: Load Demand Stop Default:		Status of the load demand Gen5 driver output	Discrete Outputs
42755	Load Demand Gen6 Driver Status	Read Only	0: Run 1: Load Demand Stop Default:		Status of the load demand Gen6 driver output	Discrete Outputs
42756	Load Demand Gen7 Driver Status	Read Only	0: Run 1: Load Demand Stop Default:		Status of the load demand Gen7 driver output	Discrete Outputs
42757	Load Demand Gen8 Driver Status	Read Only	0: Run 1: Load Demand Stop Default:		Status of the load demand Gen8 driver output	Discrete Outputs

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Addr.	System Name	Access	Specifications	Description	Function
42758	GenE	Read Only	0: Gen 1 1: Gen 2 2: Gen 3 3: Gen 4 4: Gen 5 5: Gen 6 6: Gen 7 7: Gen 8 8: Gen 9 9: Gen 10 10: Gen 11 11: Gen 12 12: Gen 13 13: Gen 14 14: Gen 15 15: Gen 16 Default:	Indicates which generator set is currently GenE for load demand	Load Demand Control

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Addr.	System Name	Access	Specifications	Description	Function
42759	GenF	Read Only	0: Gen 1 1: Gen 2 2: Gen 3 3: Gen 4 4: Gen 5 5: Gen 6 6: Gen 7 7: Gen 8 8: Gen 9 9: Gen 10 10: Gen 11 11: Gen 12 12: Gen 13 13: Gen 14 14: Gen 15 15: Gen 16 Default:	Indicates which generator set is currently GenF for load demand	Load Demand Control
42760	GenG	Read Only	0: Gen 1 1: Gen 2 2: Gen 3 3: Gen 4 4: Gen 5 5: Gen 6 6: Gen 7 7: Gen 8 8: Gen 9 9: Gen 10 10: Gen 11 11: Gen 12 12: Gen 13 13: Gen 14 14: Gen 15 15: Gen 16 Default:	Indicates which generator set is currently GenG for load demand	Load Demand Control

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Addr.	System Name	Access	Specifications	Description	Function
42761	GenH	Read Only	0: Gen 1 1: Gen 2 2: Gen 3 3: Gen 4 4: Gen 5 5: Gen 6 6: Gen 7 7: Gen 8 8: Gen 9 9: Gen 10 10: Gen 11 11: Gen 12 12: Gen 13 13: Gen 14 14: Gen 15 15: Gen 16 Default:	Indicates which generator set is currently GenH for load demand	Load Demand Control
42762	Add Level 7 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing	Indicates status of add level 7	Load Add Shed Control
42763	Add Level 8 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing	Indicates status of add level 8	Load Add Shed Control
42764	Add Level 9 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing	Indicates status of add level 9	Load Add Shed Control
42765	Add Level 10 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing	Indicates status of add level 10	Load Add Shed Control
42766	Add Load 7 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing	Indicates add command for load 7	Load Add Shed Control
42767	Add Load 8 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing	Indicates add command for load 8	Load Add Shed Control
42768	Add Load 9 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing	Indicates add command for load 9	Load Add Shed Control
42769	Add Load 10 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing	Indicates add command for load 10	Load Add Shed Control

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Addr.	System Name	Access	Specifications	Description	Function
42770	Shed Level 6 Command	Read Only	0: Do Nothing 1: Shed Level Default: Do Nothing	Indicates status of shed level 6	Load Add Shed Control
42771	Shed Level 7 Command	Read Only	0: Do Nothing 1: Shed Level Default: Do Nothing	Indicates status of shed level 7	Load Add Shed Control
42772	Shed Level 8 Command	Read Only	0: Do Nothing 1: Shed Level Default: Do Nothing	Indicates status of shed level 8	Load Add Shed Control
42773	Shed Level 9 Command	Read Only	0: Do Nothing 1: Shed Level Default: Do Nothing	Indicates status of shed level 9	Load Add Shed Control
42774	Shed Load 7 Command	Read Only	0: Do Nothing 1: Shed Load Default: Do Nothing	Indicates shed command for load 7	Load Add Shed Control
42775	Shed Load 8 Command	Read Only	0: Do Nothing 1: Shed Load Default: Do Nothing	Indicates shed command for load 8	Load Add Shed Control
42776	Shed Load 9 Command	Read Only	0: Do Nothing 1: Shed Load Default: Do Nothing	Indicates shed command for load 9	Load Add Shed Control
42777	Shed Load 10 Command	Read Only	0: Do Nothing 1: Shed Load Default: Do Nothing	Indicates shed command for load 10	Load Add Shed Control
42778	Restore Shed Level 6 Command	Read Only	0: Do Nothing 1: Restore Level Default: Do Nothing	Indicates if shed level 6 has been restored	Load Add Shed Control
42779	Restore Shed Level 7 Command	Read/ Write	0: Do Nothing 1: Restore Level Default: Do Nothing	Indicates if shed level 7 has been restored	Load Add Shed Control
42780	Restore Shed Level 8 Command	Read/ Write	0: Do Nothing 1: Restore Level Default: Do Nothing	Indicates if shed level 8 has been restored	Load Add Shed Control
42781	Restore Shed Level 9 Command	Read/ Write	0: Do Nothing 1: Restore Level Default: Do Nothing	Indicates if shed level 9 has been restored	Load Add Shed Control

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Addr.	System Name	Access	Specifications		Description	Function
42782	Gen5 Online Time	Read Only	Multiplier: .000277777780 Offset: 0 Size (bits): 32 Sign: U	Unit: hours Lower Limit: .000 hours Upper Limit: 1193046.000 hours Default: 0	Total online time for Gen5	System Information
42784	Gen6 Online Time	Read Only	Multiplier: .000277777780 Offset: 0 Size (bits): 32 Sign: U	Unit: hours Lower Limit: .000 hours Upper Limit: 1193046.000 hours Default: 0	Total online time for Gen6	System Information
42786	Gen7 Online Time	Read Only	Multiplier: .000277777780 Offset: 0 Size (bits): 32 Sign: U	Unit: hours Lower Limit: .000 hours Upper Limit: 1193046.000 hours Default: 0	Total online time for Gen7	System Information
42788	Gen8 Online Time	Read Only	Multiplier: .000277777780 Offset: 0 Size (bits): 32 Sign: U	Unit: hours Lower Limit: .000 hours Upper Limit: 1193046.000 hours Default: 0	Total online time for Gen8	System Information
42790	Manual Add Level 7 Command	Read/ Write	0: Do Nothing 1: Add Level Default: Do Nothing		Operator input to add loads assigned to level 7	Load Add Shed Control
42791	Manual Add Level 8 Command	Read/ Write	0: Do Nothing 1: Add Level Default: Do Nothing		Operator input to add loads assigned to level 8	Load Add Shed Control
42792	Manual Add Level 9 Command	Read/ Write	0: Do Nothing 1: Add Level Default: Do Nothing		Operator input to add loads assigned to level 9	Load Add Shed Control
42793	Manual Add Level 10 Command	Read/ Write	0: Do Nothing 1: Add Level Default: Do Nothing		Operator input to add loads assigned to level 10	Load Add Shed Control
42794	Manual Shed Level 6 Command	Read/ Write	0: Do Nothing 1: Shed Level Default: Do Nothing		Operator input to shed loads assigned to level 6	Load Add Shed Control

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Addr.	System Name	Access	Specifications	Description	Function
42795	Manual Shed Level 7 Command	Read/ Write	0: Do Nothing 1: Shed Level Default: Do Nothing	Operator input to shed loads assigned to level 7	Load Add Shed Control
42796	Manual Shed Level 8 Command	Read/ Write	0: Do Nothing 1: Shed Level Default: Do Nothing	Operator input to shed loads assigned to level 8	Load Add Shed Control
42797	Manual Shed Level 9 Command	Read/ Write	0: Do Nothing 1: Shed Level Default: Do Nothing	Operator input to shed loads assigned to level 9	Load Add Shed Control
42798	Gen9 Availability State	Read Only	0: Gen Does Not Exist 1: Offline 2: Waiting For Gen 3: Online 4: Failed Default:	For load demand use - indicates status of Gen9	Load Demand Control
42799	Gen10 Availability State	Read Only	0: Gen Does Not Exist 1: Offline 2: Waiting For Gen 3: Online 4: Failed Default:	For load demand use - indicates status of Gen10	Load Demand Control
42800	Gen11 Availability State	Read Only	0: Gen Does Not Exist 1: Offline 2: Waiting For Gen 3: Online 4: Failed Default:	For load demand use - indicates status of Gen11	Load Demand Control
42801	Gen12 Availability State	Read Only	0: Gen Does Not Exist 1: Offline 2: Waiting For Gen 3: Online 4: Failed Default:	For load demand use - indicates status of Gen12	Load Demand Control
42802	Gen13 Availability State	Read Only	0: Gen Does Not Exist 1: Offline 2: Waiting For Gen 3: Online 4: Failed Default:	For load demand use - indicates status of Gen13	Load Demand Control

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Addr.	System Name	Access	Specifications	Description	Function
42803	Gen14 Availability State	Read Only	0: Gen Does Not Exist 1: Offline 2: Waiting for Gen 3: Online 4: Failed Default:	For load demand use - indicates status of Gen14	Load Demand Control
42804	Gen15 Availability State	Read Only	0: Gen Does Not Exist 1: Offline 2: Waiting for Gen 3: Online 4: Failed Default:	For load demand use - indicates status of Gen15	Load Demand Control
42805	Gen16 Availability State	Read Only	0: Gen Does Not Exist 1: Offline 2: Waiting for Gen 3: Online 4: Failed Default:	For load demand use - indicates status of Gen16	Load Demand Control
42806	Load Demand Gen9 Driver Status	Read Only	0: Run 1: Load Demand Stop Default:	Status of load demand Gen9 driver output	Discrete Outputs
42807	Load Demand Gen10 Driver Status	Read Only	0: Run 1: Load Demand Stop Default:	Status of load demand Gen10 driver output	Discrete Outputs
42808	Load Demand Gen11 Driver Status	Read Only	0: Run 1: Load Demand Stop Default:	Status of load demand Gen11 driver output	Discrete Outputs
42809	Load Demand Gen12 Driver Status	Read Only	0: Run 1: Load Demand Stop Default:	Status of load demand Gen12 driver output	Discrete Outputs
42810	Load Demand Gen13 Driver Status	Read Only	0: Run 1: Load Demand Stop Default:	Status of load demand Gen13 driver output	Discrete Outputs
42811	Load Demand Gen14 Driver Status	Read Only	0: Run 1: Load Demand Stop Default:	Status of load demand Gen14 driver output	Discrete Outputs
42812	Load Demand Gen15 Driver Status	Read Only	0: Run 1: Load Demand Stop Default:	Status of load demand Gen15 driver output	Discrete Outputs
42813	Load Demand Gen16 Driver Status	Read Only	0: Run 1: Load Demand Stop Default:	Status of load demand Gen16 driver output	Discrete Outputs

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Addr.	System Name	Access	Specifications	Description	Function
42814	GenI	Read Only	0: Gen1 1: Gen2 2: Gen3 3: Gen4 4: Gen5 5: Gen6 6: Gen7 7: Gen8 8: Gen9 9: Gen10 10: Gen11 11: Gen12 12: Gen13 13: Gen14 14: Gen15 15: Gen16 Default:	Indicates which generator set is currently GenI for load demand	Load Demand Control
42815	GenJ	Read Only	0: Gen1 1: Gen2 2: Gen3 3: Gen4 4: Gen5 5: Gen6 6: Gen7 7: Gen8 8: Gen9 9: Gen10 10: Gen11 11: Gen12 12: Gen13 13: Gen14 14: Gen15 15: Gen16 Default:	Indicates which generator set is currently GenJ for load demand	Load Demand Control

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Addr.	System Name	Access	Specifications	Description	Function
42816	GenK	Read Only	0: Gen1 1: Gen2 2: Gen3 3: Gen4 4: Gen5 5: Gen6 6: Gen7 7: Gen8 8: Gen9 9: Gen10 10: Gen11 11: Gen12 12: Gen13 13: Gen14 14: Gen15 15: Gen16 Default:	Indicates which generator set is currently GenK for load demand	Load Demand Control
42817	GenL	Read Only	0: Gen1 1: Gen2 2: Gen3 3: Gen4 4: Gen5 5: Gen6 6: Gen7 7: Gen8 8: Gen9 9: Gen10 10: Gen11 11: Gen12 12: Gen13 13: Gen14 14: Gen15 15: Gen16 Default:	Indicates which generator set is currently GenL for load demand	Load Demand Control

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Addr.	System Name	Access	Specifications	Description	Function
42818	GenM	Read Only	0: Gen1 1: Gen2 2: Gen3 3: Gen4 4: Gen5 5: Gen6 6: Gen7 7: Gen8 8: Gen9 9: Gen10 10: Gen11 11: Gen12 12: Gen13 13: Gen14 14: Gen15 15: Gen16 Default:	Indicates which generator set is currently GenM for load demand	Load Demand Control
42819	GenN	Read Only	0: Gen1 1: Gen2 2: Gen3 3: Gen4 4: Gen5 5: Gen6 6: Gen7 7: Gen8 8: Gen9 9: Gen10 10: Gen11 11: Gen12 12: Gen13 13: Gen14 14: Gen15 15: Gen16 Default:	Indicates which generator set is currently GenN for load demand	Load Demand Control

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Addr.	System Name	Access	Specifications	Description	Function
42820	GenO	Read Only	0: Gen1 1: Gen2 2: Gen3 3: Gen4 4: Gen5 5: Gen6 6: Gen7 7: Gen8 8: Gen9 9: Gen10 10: Gen11 11: Gen12 12: Gen13 13: Gen14 14: Gen15 15: Gen16 Default:	Indicates which generator set is currently GenO for load demand	Load Demand Control
42821	GenP	Read Only	0: Gen1 1: Gen2 2: Gen3 3: Gen4 4: Gen5 5: Gen6 6: Gen7 7: Gen8 8: Gen9 9: Gen10 10: Gen11 11: Gen12 12: Gen13 13: Gen14 14: Gen15 15: Gen16 Default:	Indicates which generator set is currently GenP for load demand	Load Demand Control
42822	Add Level 11 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing	Indicates status of add level 11	Load Add Shed Control
42823	Add Level 12 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing	Indicates status of add level 12	Load Add Shed Control
42824	Add Level 13 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing	Indicates status of add level 13	Load Add Shed Control

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Addr.	System Name	Access	Specifications	Description	Function
42825	Add Level 14 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing	Indicates status of add level 14	Load Add Shed Control
42826	Add Level 15 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing	Indicates status of add level 15	Load Add Shed Control
42827	Add Level 16 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing	Indicates status of add level 16	Load Add Shed Control
42828	Add Level 17 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing	Indicates status of add level 17	Load Add Shed Control
42829	Add Level 18 Command	Read Only	0: Do Nothing 1: Add Level Default: Do Nothing	Indicates status of add level 18	Load Add Shed Control
42830	Add Load 11 Command	Read Only	0: Do Nothing 1: Add Load Default: Do Nothing	Indicates add command for load 11	Load Add Shed Control
42831	Add Load 12 Command	Read Only	0: Do Nothing 1: Add Load Default: Do Nothing	Indicates add command for load 12	Load Add Shed Control
42832	Add Load 13 Command	Read Only	0: Do Nothing 1: Add Load Default: Do Nothing	Indicates add command for load 13	Load Add Shed Control
42833	Add Load 14 Command	Read Only	0: Do Nothing 1: Add Load Default: Do Nothing	Indicates add command for load 14	Load Add Shed Control
42834	Add Load 15 Command	Read Only	0: Do Nothing 1: Add Load Default: Do Nothing	Indicates add command for load 15	Load Add Shed Control
42835	Add Load 16 Command	Read Only	0: Do Nothing 1: Add Load Default: Do Nothing	Indicates add command for load 16	Load Add Shed Control
42836	Add Load 17 Command	Read Only	0: Do Nothing 1: Add Load Default: Do Nothing	Indicates add command for load 17	Load Add Shed Control
42837	Add Load 18 Command	Read Only	0: Do Nothing 1: Add Load Default: Do Nothing	Indicates add command for load 18	Load Add Shed Control

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Addr.	System Name	Access	Specifications	Description	Function
42838	Shed Level 10 Command	Read Only	0: Do Nothing 1: Shed Level Default: Do Nothing	Indicates status of shed level 10	Load Add Shed Control
42839	Shed Level 11 Command	Read Only	0: Do Nothing 1: Shed Level Default: Do Nothing	Indicates status of shed level 11	Load Add Shed Control
42840	Shed Level 12 Command	Read Only	0: Do Nothing 1: Shed Level Default: Do Nothing	Indicates status of shed level 12	Load Add Shed Control
42841	Shed Level 13 Command	Read Only	0: Do Nothing 1: Shed Level Default: Do Nothing	Indicates status of shed level 13	Load Add Shed Control
42842	Shed Level 14 Command	Read Only	0: Do Nothing 1: Shed Level Default: Do Nothing	Indicates status of shed level 14	Load Add Shed Control
42843	Shed Level 15 Command	Read Only	0: Do Nothing 1: Shed Level Default: Do Nothing	Indicates status of shed level 15	Load Add Shed Control
42844	Shed Level 16 Command	Read Only	0: Do Nothing 1: Shed Level Default: Do Nothing	Indicates status of shed level 16	Load Add Shed Control
42845	Shed Level 17 Command	Read Only	0: Do Nothing 1: Shed Level Default: Do Nothing	Indicates status of shed level 17	Load Add Shed Control
42846	Shed Load 11 Command	Read Only	0: Do Nothing 1: Shed Load Default: Do Nothing	Indicates shed command for load 11	Load Add Shed Control
42847	Shed Load 12 Command	Read Only	0: Do Nothing 1: Shed Load Default: Do Nothing	Indicates shed command for load 12	Load Add Shed Control
42848	Shed Load 13 Command	Read Only	0: Do Nothing 1: Shed Load Default: Do Nothing	Indicates shed command for load 13	Load Add Shed Control
42849	Shed Load 14 Command	Read Only	0: Do Nothing 1: Shed Load Default: Do Nothing	Indicates shed command for load 14	Load Add Shed Control
42850	Shed Load 15 Command	Read Only	0: Do Nothing 1: Shed Load Default: Do Nothing	Indicates shed command for load 15	Load Add Shed Control

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Addr.	System Name	Access	Specifications	Description	Function
42851	Shed Load 16 Command	Read Only	0: Do Nothing 1: Shed Load Default: Do Nothing	Indicates shed command for load 16	Load Add Shed Control
42852	Shed Load 17 Command	Read/ Write	0: Do Nothing 1: Shed Load Default: Do Nothing	Indicates shed command for load 17	Load Add Shed Control
42853	Shed Load 18 Command	Read/ Write	0: Do Nothing 1: Shed Load Default: Do Nothing	Indicates shed command for load 18	Load Add Shed Control
42854	Restore Shed Level 10 Command	Read/ Write	0: Do Nothing 1: Restore Level Default: Do Nothing	Indicates if shed level 10 has been restored	Load Add Shed Control
42855	Restore Shed Level 11 Command	Read/ Write	0: Do Nothing 1: Restore Level Default: Do Nothing	Indicates if shed level 11 has been restored	Load Add Shed Control

Addr.	System Name	Access	Specifications	Description	Function
42856	Restore Shed Level 12 Command	Read/ Write	0: Do Nothing 1: Restore Level Default: Do Nothing	Indicates if shed level 12 has been restored	Load Add Shed Control
42857	Restore Shed Level 13 Command	Read/ Write	0: Do Nothing 1: Restore Level Default: Do Nothing	Indicates if shed level 13 has been restored	Load Add Shed Control
42858	Restore Shed Level 14 Command	Read/ Write	0: Do Nothing 1: Restore Level Default: Do Nothing	Indicates if shed level 14 has been restored	Load Add Shed Control
42859	Restore Shed Level 15 Command	Read/ Write	0: Do Nothing 1: Restore Level Default: Do Nothing	Indicates if shed level 15 has been restored	Load Add Shed Control
42860	Restore Shed Level 16 Command	Read/ Write	0: Do Nothing 1: Restore Level Default: Do Nothing	Indicates if shed level 16 has been restored	Load Add Shed Control
42861	Restore Shed Level 17 Command	Read/ Write	0: Do Nothing 1: Restore Level Default: Do Nothing	Indicates if shed level 17 has been restored	Load Add Shed Control

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Addr.	System Name	Access	Specifications		Description	Function
42862	Gen9 Online Time	Read Only	Multiplier: .000277777780 Offset: 0 Size (bits): 32 Sign: U	Unit: Hours Lower Limit: .000 Hours Upper Limit: 1193046.00 Hours Default: 0	Total online time for Gen9	System Information
42864	Gen10 Online Time	Read Only	Multiplier: .000277777780 Offset: 0 Size (bits): 32 Sign: U	Unit: Hours Lower Limit: .000 Hours Upper Limit: 1193046.00 Hours Default: 0	Total online time for Gen10	System Information
42866	Gen11 Online Time	Read Only	Multiplier: .000277777780 Offset: 0 Size (bits): 32 Sign: U	Unit: Hours Lower Limit: .000 Hours Upper Limit: 1193046.00 Hours Default: 0	Total online time for Gen11	System Information
42868	Gen12 Online Time	Read Only	Multiplier: .000277777780 Offset: 0 Size (bits): 32 Sign: U	Unit: Hours Lower Limit: .000 Hours Upper Limit: 1193046.00 Hours Default: 0	Total online time for Gen12	System Information
42870	Gen13 Online Time	Read Only	Multiplier: .000277777780 Offset: 0 Size (bits): 32 Sign: U	Unit: Hours Lower Limit: .000 Hours Upper Limit: 1193046.00 Hours Default: 0	Total online time for Gen13	System Information
42872	Gen14 Online Time	Read Only	Multiplier: .000277777780 Offset: 0 Size (bits): 32 Sign: U	Unit: Hours Lower Limit: .000 Hours Upper Limit: 1193046.00 Hours Default: 0	Total online time for Gen14	System Information
42874	Gen15 Online Time	Read Only	Multiplier: .000277777780 Offset: 0 Size (bits): 32 Sign: U	Unit: Hours Lower Limit: .000 Hours Upper Limit: 1193046.00 Hours Default: 0	Total online time for Gen15	System Information

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Addr.	System Name	Access	Specifications		Description	Function
42876	Gen16 Online Time	Read Only	Multiplier: .000277777780 Offset: 0 Size (bits): 32 Sign: U	Unit: Hours Lower Limit: .000 Hours Upper Limit: 1193046.00 Hours Default: 0	Total online time for Gen16	System Information
42878	Manual Add Level 11 Command	Read/ Write	0: Do Nothing 1: Add Level Default: Do Nothing		Operator input to add loads assigned to level 11	Load Add Shed Control
42879	Manual Add Level 12 Command	Read/ Write	0: Do Nothing 1: Add Level Default: Do Nothing		Operator input to add loads assigned to level 12	Load Add Shed Control
42880	Manual Add Level 13 Command	Read/ Write	0: Do Nothing 1: Add Level Default: Do Nothing		Operator input to add loads assigned to level 13	Load Add Shed Control
42881	Manual Add Level 14 Command	Read/ Write	0: Do Nothing 1: Add Level Default: Do Nothing		Operator input to add loads assigned to level 14	Load Add Shed Control
42882	Manual Add Level 15 Command	Read/ Write	0: Do Nothing 1: Add Level Default: Do Nothing		Operator input to add loads assigned to level 15	Load Add Shed Control
42883	Manual Add Level 16 Command	Read/ Write	0: Do Nothing 1: Add Level Default: Do Nothing		Operator input to add loads assigned to level 16	Load Add Shed Control
42884	Manual Add Level 17 Command	Read/ Write	0: Do Nothing 1: Add Level Default: Do Nothing		Operator input to add loads assigned to level 17	Load Add Shed Control
42885	Manual Add Level 18 Command	Read/ Write	0: Do Nothing 1: Add Level Default: Do Nothing		Operator input to add loads assigned to level 18	Load Add Shed Control
42886	Manual Shed Level 10 Command	Read/ Write	0: Do Nothing 1: Shed Level Default: Do Nothing		Operator input to shed loads assigned to level 10	Load Add Shed Control
42887	Manual Shed Level 11 Command	Read/ Write	0: Do Nothing 1: Shed Level Default: Do Nothing		Operator input to shed loads assigned to level 11	Load Add Shed Control

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Addr.	System Name	Access	Specifications	Description	Function
42888	Manual Shed Level 12 Command	Read/ Write	0: Do Nothing 1: Shed Level Default: Do Nothing	Operator input to shed loads assigned to level 12	Load Add Shed Control
42889	Manual Shed Level 13 Command	Read/ Write	0: Do Nothing 1: Shed Level Default: Do Nothing	Operator input to shed loads assigned to level 13	Load Add Shed Control
42890	Manual Shed Level 14 Command	Read/ Write	0: Do Nothing 1: Shed Level Default: Do Nothing	Operator input to shed loads assigned to level 14	Load Add Shed Control
42891	Manual Shed Level 15 Command	Read/ Write	0: Do Nothing 1: Shed Level Default: Do Nothing	Operator input to shed loads assigned to level 15	Load Add Shed Control
42892	Manual Shed Level 16 Command	Read/ Write	0: Do Nothing 1: Shed Level Default: Do Nothing	Operator input to shed loads assigned to level 16	Load Add Shed Control
42893	Manual Shed Level 17 Command	Read/ Write	0: Do Nothing 1: Shed Level Default: Do Nothing	Operator input to shed loads assigned to level 17	Load Add Shed Control
42894	Load 11 Device Type	Read/ Write	0: None 1: Breaker 2: ATS Default: None	Indicates type of load connected to load 11 add shed control and status I/O	Load Add Shed Control
42895	Load 12 Device Type	Read/ Write	0: None 1: Breaker 2: ATS Default: None	Indicates type of load connected to load 12 add shed control and status I/O	Load Add Shed Control
42896	Load 13 Device Type	Read/ Write	0: None 1: Breaker 2: ATS Default: None	Indicates type of load connected to load 13 add shed control and status I/O	Load Add Shed Control
42897	Load 14 Device Type	Read/ Write	0: None 1: Breaker 2: ATS Default: None	Indicates type of load connected to load 14 add shed control and status I/O	Load Add Shed Control

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Addr.	System Name	Access	Specifications		Description	Function
42898	Load 15 Device Type	Read/ Write	0: None 1: Breaker 2: ATS Default: None		Indicates type of load connected to load 15 add shed control and status I/O	Load Add Shed Control
42899	Load 16 Device Type	Read/ Write	0: None 1: Breaker 2: ATS Default: None		Indicates type of load connected to load 16 add shed control and status I/O	Load Add Shed Control
42900	Load 17 Device Type	Read/ Write	0: None 1: Breaker 2: ATS Default: None		Indicates type of load connected to load 17 add shed control and status I/O	Load Add Shed Control
42901	Load 18 Device Type	Read/ Write	0: None 1: Breaker 2: ATS Default: None		Indicates type of load connected to load 18 add shed control and status I/O	Load Add Shed Control
42902	Load 11 Add Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 0 Sign: U	Unit: NA Lower Limit: 1.000 Upper Limit: 18.000 Default: 11	Indicates which add level load 11 is assigned to	Load Add Shed Control
42903	Load 12 Add Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 0 Sign: U	Unit: NA Lower Limit: 1.000 Upper Limit: 18.000 Default: 12	Indicates which add level load 12 is assigned to	Load Add Shed Control
42904	Load 13 Add Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 0 Sign: U	Unit: NA Lower Limit: 1.000 Upper Limit: 18.000 Default: 13	Indicates which add level load 13 is assigned to	Load Add Shed Control
42905	Load 14 Add Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 0 Sign: U	Unit: NA Lower Limit: 1.000 Upper Limit: 18.000 Default: 14	Indicates which add level load 14 is assigned to	Load Add Shed Control

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Addr.	System Name	Access	Specifications		Description	Function
42906	Load 15 Add Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 0 Sign: U	Unit: NA Lower Limit: 1.000 Upper Limit: 18.000 Default: 15	Indicates which add level load 15 is assigned to	Load Add Shed Control
42907	Load 16 Add Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 0 Sign: U	Unit: NA Lower Limit: 1.000 Upper Limit: 18.000 Default: 16	Indicates which add level load 16 is assigned to	Load Add Shed Control
42908	Load 17 Add Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 0 Sign: U	Unit: NA Lower Limit: 1.000 Upper Limit: 18.000 Default: 17	Indicates which add level load 17 is assigned to	Load Add Shed Control
42909	Load 18 Add Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 0 Sign: U	Unit: NA Lower Limit: 1.000 Upper Limit: 18.000 Default: 18	Indicates which add level load 18 is assigned to	Load Add Shed Control
42910	Load 11 Shed Level	Read/ Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 0 Sign: U	Unit: NA Lower Limit: .000 Upper Limit: 17.000 Default: 10	Indicates which shed level load 11 is assigned to	Load Add Shed Control
42911	Load 12 Shed Level	Read /Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 0 Sign: U	Unit: NA Lower Limit: .000 Upper Limit: 17.000 Default: 11	Indicates which shed level load 12 is assigned to	Load Add Shed Control
42912	Load 13 Shed Level	Read /Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: .000 Upper Limit: 17.000 Default: 12	Indicates which shed level load 13 is assigned to	Load Add Shed Control
42913	Load 14 Shed Level	Read /Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: .000 Upper Limit: 17.000 Default: 13	Indicates which shed level load 14 is assigned to	Load Add Shed Control

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Addr.	System Name	Access	Specifications		Description	Function
42914	Load 15 Shed Level	Read /Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: .000 Upper Limit: 17.000 Default: 14	Indicates which shed level load 15 is assigned to	Load Add Shed Control
42915	Load 16 Shed Level	Read /Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: .000 Upper Limit: 17.000 Default: 15	Indicates which shed level load 16 is assigned to	Load Add Shed Control
42916	Load 17 Shed Level	Read /Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: .000 Upper Limit: 17.000 Default: 16	Indicates which shed level load 17 is assigned to	Load Add Shed Control
42917	Load 18 Shed Level	Read /Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 16 Sign: U	Unit: NA Lower Limit: .000 Upper Limit: 17.000 Default: 17	Indicates which shed level load 18 is assigned to	Load Add Shed Control
42918	Load Demand GenI	Read /Write	0: Gen 1 1: Gen 2 2: Gen 3 3: Gen 4 4: Gen 5 5: Gen 6 6: Gen 7 7: Gen 8 8: Gen 9 9: Gen 10 10: Gen 11 11: Gen 12 12: Gen 13 13: Gen 14 14: Gen 15 15: Gen 16 Default: Gen9		Sets GenI for fixed sequence load demand	Load Demand Shed Control

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Addr.	System Name	Access	Specifications	Description	Function
42919	Load Demand GenJ	Read /Write	0: Gen 1 1: Gen 2 2: Gen 3 3: Gen 4 4: Gen 5 5: Gen 6 6: Gen 7 7: Gen 8 8: Gen 9 9: Gen 10 10: Gen 11 11: Gen 12 12: Gen 13 13: Gen 14 14: Gen 15 15: Gen 16 Default: Gen10	Sets GenJ for fixed sequence load demand	Load Demand Shed Control
42920	Load Demand GenK	Read /Write	0: Gen 1 1: Gen 2 2: Gen 3 3: Gen 4 4: Gen 5 5: Gen 6 6: Gen 7 7: Gen 8 8: Gen 9 9: Gen 10 10: Gen 11 11: Gen 12 12: Gen 13 13: Gen 14 14: Gen 15 15: Gen 16 Default: Gen11	Sets GenK for fixed sequence load demand	Load Demand Shed Control

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Addr.	System Name	Access	Specifications	Description	Function
42921	Load Demand GenL	Read /Write	0: Gen 1 1: Gen 2 2: Gen 3 3: Gen 4 4: Gen 5 5: Gen 6 6: Gen 7 7: Gen 8 8: Gen 9 9: Gen 10 10: Gen 11 11: Gen 12 12: Gen 13 13: Gen 14 14: Gen 15 15: Gen 16 Default: Gen12	Sets GenL for fixed sequence load demand	Load Demand Shed Control
42922	Load Demand GenM	Read /Write	0: Gen 1 1: Gen 2 2: Gen 3 3: Gen 4 4: Gen 5 5: Gen 6 6: Gen 7 7: Gen 8 8: Gen 9 9: Gen 10 10: Gen 11 11: Gen 12 12: Gen 13 13: Gen 14 14: Gen 15 15: Gen 16 Default: Gen13	Sets GenM for fixed sequence load demand	Load Demand Control

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Addr.	System Name	Access	Specifications	Description	Function
42923	Load Demand GenN	Read /Write	0: Gen 1 1: Gen 2 2: Gen 3 3: Gen 4 4: Gen 5 5: Gen 6 6: Gen 7 7: Gen 8 8: Gen 9 9: Gen 10 10: Gen 11 11: Gen 12 12: Gen 13 13: Gen 14 14: Gen 15 15: Gen 16 Default: Gen14	Sets GenN for fixed sequence load demand	Load Demand Control
42924	Load Demand GenO	Read /Write	0: Gen 1 1: Gen 2 2: Gen 3 3: Gen 4 4: Gen 5 5: Gen 6 6: Gen 7 7: Gen 8 8: Gen 9 9: Gen 10 10: Gen 11 11: Gen 12 12: Gen 13 13: Gen 14 14: Gen 15 15: Gen 16 Default: Gen15	Sets GenO for fixed sequence load demand	Load Demand Control

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Addr.	System Name	Access	Specifications	Description	Function
42925	Load Demand GenP	Read /Write	0: Gen 1 1: Gen 2 2: Gen 3 3: Gen 4 4: Gen 5 5: Gen 6 6: Gen 7 7: Gen 8 8: Gen 9 9: Gen 10 10: Gen 11 11: Gen 12 12: Gen 13 13: Gen 14 14: Gen 15 15: Gen 16 Default: Gen16	Sets GenP for fixed sequence load demand	Load Demand Control
42926	SID2 Status	Read Only	0: Missing 1: Good 2: Connecting 3: No Exp Board 4: Not Applicable Default:	Indicates status of SID2 (aux101/102 module 2)	Communications
42927	SID3 Status	Read Only	0: Missing 1: Good 2: Connecting 3: No Exp Board 4: Not Applicable Default:	Indicates status of SID3 (aux101/102 module 3)	Communications
42928	Expansion Board Communications 2	Read Only	0: Disabled 1: Enabled 2: Connecting Default: Disabled	Indicates the status of the SID2 to expansion board connection	Communications
42929	Expansion Board Communications 3	Read Only	0: Disabled 1: Enabled 2: Connecting Default: Disabled	Indicates the status of the SID3 to expansion board connection	Communications
42930	Utility Breaker Opening Point	Read /Write	0: After Transfer Delay 1: Upon Utility Failure Default: After Transfer Delay	PTC - point in time at which system opens utility breaker	PTC Connected

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Addr.	System Name	Access	Specifications		Description	Function
42931	Commit To Transfer Method	Read /Write	0: Utility Disconnect 1: Genset Start 2: No Commit Default: Utility Disconnect		PTC - sets point at which system commits to transfer to generator set	PTC Operating Mode
42932	Commit To Transfer State	Read Only	0: Not Committed 1: Committed Default:		PTC - indicates if system is committed to transferring to generator set	PTC Operating Mode
42933	Total System Capacity 32bit	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: S	Unit: kW Lower Limit: kW Upper Limit: kW Default:	Sum of the generator set kW ratings in 32bit	System Information
42935	Total Online Capacity 32bit	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: S	Unit: kW Lower Limit: kW Upper Limit: kW Default:	Sum of the generator set kW ratings in 32bit for generator sets which are online	System Information
42937	kW Load Reference 32bit	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 3 2Sign: S	Unit: kW Lower Limit: kW Upper Limit: kW Default:	kW control reference value in 32bit for extended paralleling	Master Load Control
42939	kVAR Load Reference 32bit	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: S	Unit: kVAR Lower Limit: kVAR Upper Limit: kVAR Default:	kVAR control reference value in 32bit for extended paralleling	Master Load Control
42943	Genset Bus kW Setpoint 32bit	Read /Write	Multiplier: 1.000000000000Offset: 0Size (bits): 32Sign: S	Unit: kW Lower Limit: .000 kW Upper Limit: 2147483647.000 kW Default: 0	Sets the base load kW setpoint in 32bit in closed loop extended paralleling	Master Load Control
42945	Genset Bus kVAR Setpoint 32bit	Read /Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: S	Unit: kVAR Lower Limit: .000 kVAR Upper Limit: 2147483647.000 kVAR Default: 0	Sets the base load kVAR setpoint in 32bit in closed loop extended paralleling	Master Load Control

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Addr.	System Name	Access	Specifications		Description	Function
42947	Genset Unloaded Level 32bit	Read /Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: S	Unit: kW Lower Limit: -2147483648.000 kW Upper Limit: 2147483647.000 kW Default:50	Setpoint for generator set unloaded level in 32bit	Master Load Control
42949	Utility Bus kW Setpoint 32bit	Read /Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: S	Unit: kW Lower Limit: -2147483648.000 kW Upper Limit: 2147483647.000 kW Default: 100	Sets the peak shave kW setpoint in 32bit in closed loop extended paralleling	Master Load Control
42951	Utility Bus kW Constraint Level 32bit	Read / write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: S	Unit: kW Lower Limit: -2147483648.000 kW Upper Limit: 2147483647.000 kW Default: 100	sets the utility kW constraint level in 32bit for base load extended paralleling	Master Load Control
42953	Utility Bus kVAR Setpoint 32bit	Read / write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: S	Unit: kVAR Lower Limit: -2147483648.000 kVAR Upper Limit: 2147483647.000 kVAR Default: 100	Sets the peak shave kVAR setpoint in 32bit in closed loop extended paralleling	Master Load Control
42955	Utility Unloaded Level 32bit	Read / write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: S	Unit: kW Lower Limit: -2147483648.000 kW Upper Limit: 2147483647.000 kW Default: 50	Setpoint for utility unload level in 32bit	Master Load Control
42957	Load Add Shed Required Online Capacity 32bit	Read / write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: S	Unit: kW Lower Limit: .000 kW Upper Limit: 2147483647.000 kW Default: 0	generator set kW capacity that must be online to start timed load add; 0 disables this	Load Demand Control
42959	Load Demand Minimum Online Capacity 32bit	Read / write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: S	Unit: kW Lower Limit: .000 kW Upper Limit: 2147483647.000 kW Default: 0	Sets how much capacity must always be online regardless of what the load is	Load Demand Control

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Addr.	System Name	Access	Specifications		Description	Function
42961	Total Utility Capacity 32bit	Read / write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: S	Unit: kW Lower Limit: 1.000 kW Upper Limit: 2147483647.000 kW Default: 1000	Use to set how many kW (32bit) =100% utility kW -- used by bargraph	AC Setup
42963	Genset Online Capacity Sensor Threshold 32bit	Read / write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: S	Unit: kW Lower Limit: .000 kW Upper Limit: 2147483647.000 kW Default: 0	Set the online kW threshold 32bit at which generator set but is available for loading	PTC Sensors
42965	Load Demand Restart kW Threshold 32bit	Read /Write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: S	Unit: kW Lower Limit: .000 kW Upper Limit: 2147483647.000 kW Default: 500	Set minimum kW reserve capacity when kW in 32bit	Load Demand Control
42967	Load Demand Shutdown kW Threshold 32bit	Read / write	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: S	Unit: kW Lower Limit: .000 kW Upper Limit: 2147483647.000 kw Default: 1000	Sets maximum kW reserve capacity when threshold method is absolute kW in 32bit	Load Demand Control
42971	Total Spare Online Capacity 32bit	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: S	Unit: kW Lower Limit: kW Upper Limit: kW Default:	Difference between sensed online capacity and generator Set bus total kW in 32bit	System Information
42973	Next Gen Restart Threshold 32bit	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: S	Unit: kW Lower Limit: kW Upper Limit: kW Default:	Shows 32 bit kW threshold for generator bus at which next generator set will restart	Load Demand Control
42975	Next Gen Shutdown Threshold 32bit	Read Only	Multiplier: 1.000000000000 Offset: 0 Size (bits): 32 Sign: S	Unit: kW Lower Limit: kW Upper Limit: kW Default:	Shows 32 bit kW threshold for generator bus at which next generator set load demand stops in	Load Demand Control

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Addr.	System Name	Access	Specifications		Description	Function
42977	Genset Bus kW Overload Threshold 32bit	Read Only	Multiplier: 1.000000000000 Offset: 0 Size(bits): 32 Sign: S	Unit: kW Lower Limit: kW Upper Limit: kW Default:	Calculated kW overload threshold in 32bit based on online capacity and % setting	System Information

15 MCM3320 Modbus Fault Status Bitmaps

NOTICE

Earlier versions of software may not support all of the Modbus registers in the following table. If a particular register is not available in your installation, it is possible that the Modbus connection is working but the controller software does not support that particular register.

NOTICE

If an address or bit is not listed in this table it is not implemented.

Addr.	Bit#	System Name	Fault Code	Event Name	Response
42500	0	Fault Status Bitmap 1	1455	Utility Main Breaker Position Contact Warning	Warning
42500	1	Fault Status Bitmap 1	2396	Utility Main Breaker Fail To Close Warning	Warning
42500	2	Fault Status Bitmap 1	2397	Utility Main Breaker Fail To Open Warning	Warning
42500	3	Fault Status Bitmap 1	1219	Utility Main Breaker Tripped Warning	Warning
42500	4	Fault Status Bitmap 1	1914	Utility Bus Phase Rotation Warning	Warning
42500	5	Fault Status Bitmap 1	1912	Utility Bus Loss Of Phase Warning	Warning
42500	6	Fault Status Bitmap 1	2331	Utility Bus Undervoltage Warning	Warning
42500	7	Fault Status Bitmap 1	2358	Utility Bus Overvoltage Warning	Warning
42500	8	Fault Status Bitmap 1	1223	Utility Bus Frequency Warning	Warning
42500	21	Fault Status Bitmap 1	4137	Advanced Grid Protection Warning	Warning
42500	22	Fault Status Bitmap 1	3924	Utility Reverse kW Warning	Warning
42500	23	Fault Status Bitmap 1	2939	Modbus Communication Failure Warning	Warning
42500	24	Fault Status Bitmap 1	2648	Remote IO Communication Failure Warning	Warning
42500	25	Fault Status Bitmap 1	1689	Real Time Clock Power Interrupt Warning	Warning
42500	26	Fault Status Bitmap 1	1335	AC Metering Out Of Range Warning	Warning
42500	27	Fault Status Bitmap 1	1999	Maximum Parallel Time Warning	Warning
42500	28	Fault Status Bitmap 1	343	Hardware Failure Warning	Warning
42500	29	Fault Status Bitmap 1	1456	Synchronizer Output Limit Warning	Warning
42500	30	Fault Status Bitmap 1	2416	Calibration Checksum Warning	Warning
42500	31	Fault Status Bitmap 1	353	EEPROM Write Error Warning	Warning

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Addr.	Bit#	System Name	Fault Code	Event Name	Response
42502	0	Fault Status Bitmap 2	1454	Genset Main Breaker Position Contact Warning	Warning
42502	1	Fault Status Bitmap 2	1452	Genset Main Breaker Fail To Close Warning	Warning
42502	2	Fault Status Bitmap 2	1453	Genset Main Breaker Fail To Open	Warning
42502	3	Fault Status Bitmap 2	1328	Genset Main Breaker Tripped Warning	Warning
42502	4	Fault Status Bitmap 2	1915	Genset Bus Phase Rotation Warning	Warning
42502	5	Fault Status Bitmap 2	1913	Genset Bus Loss Of Phase Warning	Warning
42502	6	Fault Status Bitmap 2	1225	Genset Bus Undervoltage Warning	Warning
42502	7	Fault Status Bitmap 2	1224	Genset Bus Overvoltage Warning	Warning
42502	8	Fault Status Bitmap 2	1226	Genset Bus Frequency Warning	Warning
42502	22	Fault Status Bitmap 2	441	Low Battery Voltage Warning	Warning
42502	23	Fault Status Bitmap 2	442	High Battery Voltage Warning	Warning
42502	24	Fault Status Bitmap 2	1541	Genset Failed To Come Online Warning	Warning
42502	25	Fault Status Bitmap 2	2647	Load Demand Setup Warning	Warning
42502	26	Fault Status Bitmap 2	1444	Genset Bus Overload Warning	Warning
42502	27	Fault Status Bitmap 2	1989	kW Load Control Output Limit Warning	Warning
42502	28	Fault Status Bitmap 2	1991	kVAR Load Control Output Limit Warning	Warning
42502	29	Fault Status Bitmap 2	1121	Failure To Disconnect Warning	Warning
42502	30	Fault Status Bitmap 2	1458	Synchronizer Phase Rotation Mismatch Warning	Warning
42502	31	Fault Status Bitmap 2	1457	Fail To Synchronize Warning	Warning
42505	0	Fault Status Bitmap 1	1222	Not In Automatic Event	Event
42505	1	Fault Status Bitmap 1	1483	Common Warning Event	Event
42505	2	Fault Status Bitmap 1	2965	Genset Bus Available Event	Event
42505	3	Fault Status Bitmap 1	2328	Utility Bus Available Event	Event
42505	4	Fault Status Bitmap 1	2333	Genset Bus Connected Event	Event
42505	5	Fault Status Bitmap 1	2332	Utility Bus Connected Event	Event
42505	6	Fault Status Bitmap 1	2971	Test / Extended Parallel Event	Event
42505	7	Fault Status Bitmap 1	1916	Synchronized Event	Event
42505	8	Fault Status Bitmap 1	1534	Load Control Output Event	Event
42505	9	Fault Status Bitmap 1	2781	Genset Source Unloaded Event	Event
42505	10	Event Status Bitmap 1	2779	Utility Source Unloaded Event	Event
42505	11	Event Status Bitmap 1	3226	Genset Bus Base Load Event	Event
42505	12	Event Status Bitmap 1	3227	Utility Bus Peak Shave Event	Event

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16 MCM3320 Modbus Address 42506, 42507

NOTICE

Earlier versions of software may not support all of the Modbus registers in the following table. If a particular register is not available in your installation, it is possible that the Modbus connection is working but the controller software does not support that particular register.

NOTICE

If an address or bit is not listed in this table it is not implemented.

Metering Fault Status Bitmaps		
Bit (LSB = 0)	**Parameter**	**Metering Fault Status Bitmaps**
0	ZXA Timeout	Zero Crossing cannot be detected on L1 voltage signal
1	ZXB Timeout	Zero Crossing cannot be detected on L2 voltage signal
2	ZXC Timeout	Zero Crossing cannot be detected on L3 voltage signal
3 (See Note 1)	Voltage Out of Range	Voltage scaling error due to incompatible combination of settings for Nominal Voltage, PT Primary Voltage, and PT Secondary Voltage
4 (See Note 1)	Current Out of Range	Current Input is saturated; actual current cannot be determined
5	Frequency Out of Range	Frequency input is out of range; valid range 24-80 Hz
6	Loss Phase Out of Range	One or more zero crossings of voltage cannot be detected; loss phase cannot be determined
7	Sync Phase Out of Range	Synchronizer phase difference cannot be measured due to any of the following: genset frequency out of range, utility frequency out of range, genset L1 voltage zero crossing not detected, or utility L1 voltage zero crossing not detected
8 (See Note 1)	kW Out of Range	kW is out of range; valid range is - 2147483648 to +2147483647 kW
9 (See Note 1)	kVAR Out of Range	kVAR is out of range; valid range is - 2147483648 to +2147483647 kVAR
10 (See Note 1)	kVA Out of Range	kVA is out of range; valid range is 0 to 4294867295 kVA
11 (See Note 1)	Power Factor Out of Range	Power factor is out of range due to either kW > kVA or kVA = 0; should not normally occur
12	AC Metering Failure	Main processor is unable to communicate with metering processor

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Metering Fault Status Bitmaps		
Bit (LSB = 0)	**Parameter**	**Metering Fault Status Bitmaps**
13	Not Implemented	
14	Not Implemented	
15	Not Implemented	

NOTE:
1. If any of bits are active (1), the "AC Metering Out of Range Warning" fault will be active.
2. If Bit 12 is active (1), the "Hardware Failure Warning" fault will be active.
3. Some bits do not generate warning faults because they are a normal occurrence (e.g. if a source is dead).

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17 PC500/550 Modbus TCP Register Map

NOTICE

Earlier versions of software may not support all of the Modbus registers in the following table. If a particular register is not available in your installation, it is possible that the Modbus connection is working but the controller software does not support that particular register.

NOTICE

If an address or bit is not listed in this table it is not implemented.

PC500/550 (PC5xx)				
Parameter	**Modbus Register**	**Sign**	**Units**	**Comments**
Device Type in Configuration	40001	U	ENUM	64= PC500/PC550
Device Model	40002	U	ENUM	0=N/A, 1=3300, 2=2300, 4=1301, 8=1302, 16=2100, 32=3100, 64=3200, 128=3201
Modbus TCP Unit ID	40003	U		Configurable from User Interface
Modbus Communication Status	40004	U	ENUM	0=Communicating, 2=Not Communicating
Communications Error Counter	40005	U		
Last Successful Communication (Year, Month)	40006	U	Bitfield	See Note 5
Last Successful Communication (Day, Hour, Minutes)	40007	U	Bitfield	See Note 5
Last Successful Communication (Seconds, Milliseconds)	40008	U	Bitfield	See Note 5
PC500/550 (Device 1)				
Parameter	**Modbus Register**	**Sign**	**Units**	**Comments**
Device Type in Configuration	40011	U	ENUM	1=Genset, 2=ATS, 4=AUX101/102
Device Model	40012	U	ENUM	0=N/A, 1=3300, 2=2300, 4=1301, 8=1302, 16=2100, 32=3100, 64=3200, 128=3201
Modbus TCP Unit ID	40013	U		Configurable from User Interface
Modbus Communication Status	40014	U	ENUM	0=Communicating, 2=Not Communicating
Communications Error Counter	40015	U		

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Last Successful Communication (Year, Month)	40016	U	Bitfield	See Note 5
Last Successful Communication (Day, Hour, Minutes)	40017	U	Bitfield	See Note 5
Last Successful Communication (Seconds, Milliseconds)	40018	U	Bitfield	See Note 5
PC500/550 (Device 2)				
Parameter	**Modbus Register**	**Sign**	**Units**	**Comments**
Device Type in Configuration	40021	U	ENUM	1=Genset, 2=ATS, 4=AUX101/102
Device Model	40022	U	ENUM	0=N/A, 1=3300, 2=2300, 4=1301, 8=1302, 16=2100, 32=3100, 64=3200, 128=3201
Modbus TCP Unit ID	40023	U		Configurable from User Interface
Modbus Communication Status	40024	U	ENUM	0=Communicating, 2=Not Communicating
Communications Error Counter	40025	U		
Last Successful Communication (Year, Month)	40026	U	Bitfield	See Note 5
Last Successful Communication (Day, Hour, Minutes)	40027	U	Bitfield	See Note 5
Last Successful Communication (Seconds, Milliseconds)	40028	U	Bitfield	See Note 5
PC500/550 (Device 3)				
Parameter	**Modbus Register**	**Sign**	**Units**	**Comments**
Device Type in Configuration	40031	U	ENUM	1=Genset, 2=ATS, 4=AUX101/102
Device Model	40032	U	ENUM	0=N/A, 1=3300, 2=2300, 4=1301, 8=1302, 16=2100, 32=3100, 64=3200, 128=3201
Modbus TCP Unit ID	40033	U		Configurable from User Interface
Modbus Communication Status	40034	U	ENUM	0=Communicating, 2=Not Communicating
Communications Error Counter	40035	U		
Last Successful Communication (Year, Month)	40036	U	Bitfield	See Note 5
Last Successful Communication (Day, Hour, Minutes)	40037	U	Bitfield	See Note 5
Last Successful Communication (Seconds, Milliseconds)	40038	U	Bitfield	See Note 5

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PC500/550 (Device 4)				
Parameter	**Modbus Register**	**Sign**	**Units**	**Comments**
Device Type in Configuration	40041	U	ENUM	1=Genset, 2=ATS, 4=AUX101/102
Device Model	40042	U	ENUM	0=N/A, 1=3300, 2=2300, 4=1301, 8=1302, 16=2100, 32=3100, 64=3200, 128=3201
Modbus TCP Unit ID	40043	U		Configurable from User Interface
Modbus Communication Status	40044	U	ENUM	0=Communicating, 2=Not Communicating
Communications Error Counter	40045	U		
Last Successful Communication (Year, Month)	40046	U	Bitfield	See Note 5
Last Successful Communication (Day, Hour, Minutes)	40047	U	Bitfield	See Note 5
Last Successful Communication (Seconds, Milliseconds)	40048	U	Bitfield	See Note 5
PC500/550 (Device 5)				
Parameter	**Modbus Register**	**Sign**	**Units**	**Comments**
Device Type in Configuration	40051	U	ENUM	1=Genset, 2=ATS, 4=AUX101/102
Device Model	40052	U	ENUM	0=N/A, 1=3300, 2=2300, 4=1301, 8=1302, 16=2100, 32=3100, 64=3200, 128=3201
Modbus TCP Unit ID	40053	U		Configurable from User Interface
Modbus Communication Status	40054	U	ENUM	0=Communicating, 2=Not Communicating
Communications Error Counter	40055	U		
Last Successful Communication (Year, Month)	40056	U	Bitfield	See Note 5
Last Successful Communication (Day, Hour, Minutes)	40057	U	Bitfield	See Note 5
Last Successful Communication (Seconds, Milliseconds)	40058	U	Bitfield	See Note 5
PC500/550 (Device 6)				
Parameter	**Modbus Register**	**Sign**	**Units**	**Comments**
Device Type in Configuration	40061	U	ENUM	1=Genset, 2=ATS, 4=AUX101/102

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Device Model	40062	U	ENUM	0=N/A, 1=3300, 2=2300, 4=1301, 8=1302, 16=2100, 32=3100, 64=3200, 128=3201
Modbus TCP Unit ID	40063	U		Configurable from User Interface
Modbus Communication Status	40064	U	ENUM	0=Communicating, 2=Not Communicating
Communications Error Counter	40065	U		
Last Successful Communication (Year, Month)	40066	U	Bitfield	See Note 5
Last Successful Communication (Day, Hour, Minutes)	40067	U	Bitfield	See Note 5
Last Successful Communication (Seconds, Milliseconds)	40068	U	Bitfield	See Note 5
PC500/550 (Device 7)				
Parameter	**Modbus Register**	**Sign**	**Units**	**Comments**
Device Type in Configuration	40071	U	ENUM	1=Genset, 2=ATS, 4=AUX101/102
Device Model	40072	U	ENUM	0=N/A, 1=3300, 2=2300, 4=1301, 8=1302, 16=2100, 32=3100, 64=3200, 128=3201
Modbus TCP Unit ID	40073	U		Configurable from User Interface
Modbus Communication Status	40074	U	ENUM	0=Communicating, 2=Not Communicating
Communications Error Counter	40075	U		
Last Successful Communication (Year, Month)	40076	U	Bitfield	See Note 5
Last Successful Communication (Day, Hour, Minutes)	40077	U	Bitfield	See Note 5
Last Successful Communication (Seconds, Milliseconds)	40078	U	Bitfield	See Note 5
PC500/550 (Device 8)				
Parameter	**Modbus Register**	**Sign**	**Units**	**Comments**
Device Type in Configuration	40081	U	ENUM	1=Genset, 2=ATS, 4=AUX101/102
Device Model	40082	U	ENUM	0=N/A, 1=3300, 2=2300, 4=1301, 8=1302, 16=2100, 32=3100, 64=3200, 128=3201
Modbus TCP Unit ID	40083	U		Configurable from User Interface
Modbus Communication Status	40084	U	ENUM	0=Communicating, 2=Not Communicating

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Communications Error Counter	40085	U		
Last Successful Communication (Year, Month)	40086	U	Bitfield	See Note 5
Last Successful Communication (Day, Hour, Minutes)	40087	U	Bitfield	See Note 5
Last Successful Communication (Seconds, Milliseconds)	40088	U	Bitfield	See Note 5
PC500/550 (Device 9)				
Parameter	**Modbus Register**	**Sign**	**Units**	**Comments**
Device Type in Configuration	40091	U	ENUM	1=Genset, 2=ATS, 4=AUX101/102
Device Model	40092	U	ENUM	0=N/A, 1=3300, 2=2300, 4=1301, 8=1302, 16=2100, 32=3100, 64=3200, 128=3201
Modbus TCP Unit ID	40093	U		Configurable from User Interface
Modbus Communication Status	40094	U	ENUM	0=Communicating, 2=Not Communicating
Communications Error Counter	40095	U		
Last Successful Communication (Year, Month)	40096	U	Bitfield	See Note 5
Last Successful Communication (Day, Hour, Minutes)	40097	U	Bitfield	See Note 5
Last Successful Communication (Seconds, Milliseconds)	40098	U	Bitfield	See Note 5
PC500/550 (Device 10)				
Parameter	**Modbus Register**	**Sign**	**Units**	**Comments**
Device Type in Configuration	40101	U	ENUM	1=Genset, 2=ATS, 4=AUX101/102
Device Model	40102	U	ENUM	0=N/A, 1=3300, 2=2300, 4=1301, 8=1302, 16=2100, 32=3100, 64=3200, 128=3201
Modbus TCP Unit ID	40103	U		Configurable from User Interface
Modbus Communication Status	40104	U	ENUM	0=Communicating, 2=Not Communicating
Communications Error Counter	40105	U		
Last Successful Communication (Year, Month)	40106	U	Bitfield	See Note 5
Last Successful Communication (Day, Hour, Minutes)	40107	U	Bitfield	See Note 5

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Last Successful Communication (Seconds, Milliseconds)	40108	U	Bitfield	See Note 5
PC500/550 (Device 11)				
Parameter	**Modbus Register**	**Sign**	**Units**	**Comments**
Device Type in Configuration	40111	U	ENUM	1=Genset, 2=ATS, 4=AUX101/102
Device Model	40112	U	ENUM	0=N/A, 1=3300, 2=2300, 4=1301, 8=1302, 16=2100, 32=3100, 64=3200, 128=3201
Modbus TCP Unit ID	40113	U		Configurable from User Interface
Modbus Communication Status	40114	U	ENUM	0=Communicating, 2=Not Communicating
Communications Error Counter	40115	U		
Last Successful Communication (Year, Month)	40116	U	Bitfield	See Note 5
Last Successful Communication (Day, Hour, Minutes)	40117	U	Bitfield	See Note 5
Last Successful Communication (Seconds, Milliseconds)	40118	U	Bitfield	See Note 5
PC500/550 (Device 12)				
Parameter	**Modbus Register**	**Sign**	**Units**	**Comments**
Device Type in Configuration	40121	U	ENUM	1=Genset, 2=ATS, 4=AUX101/102
Device Model	40122	U	ENUM	0=N/A, 1=3300, 2=2300, 4=1301, 8=1302, 16=2100, 32=3100, 64=3200, 128=3201
Modbus TCP Unit ID	40123	U		Configurable from User Interface
Modbus Communication Status	40124	U	ENUM	0=Communicating, 2=Not Communicating
Communications Error Counter	40125	U		
Last Successful Communication (Year, Month)	40126	U	Bitfield	See Note 5
Last Successful Communication (Day, Hour, Minutes)	40127	U	Bitfield	See Note 5
Last Successful Communication (Seconds, Milliseconds)	40128	U	Bitfield	See Note 5

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NOTES:

1. Modbus TCP can be enabled/disabled in the PC500/550 User Interface (Setup > Modbus Settings).
2. Default Modbus TCP port is 502 and is configurable in the PC500/550 User Interface (Setup > Modbus Settings). No more than 2 Modbus TCP sessions can be established at a time.
3. PC5xx provides READ ONLY access over Modbus TCP.
4. PC500/550 registers return details about all configured devices in PC5xx (Generator Set, ATS, AUX101/102) and can be accessed using Modbus TCP Unit ID 255 (default for PC500/550).
5. In PC500/550 registers, Devices 1 through 12 are numbered in the same order as they are arranged in the Interface Device Configuration grid. To access details of these devices over Modbus TCP, the user must use the Modbus TCP Unit ID (returned by register 4xxx3) in the query.
6. Bitmap registers indicating Last Successful Communication (4xxx6, 4xxx7, 4xxx8) are formatted as below:



7. Site IOs (sensors) and AUX101/102 data cannot be accessed over Modbus TCP.

Generator Set					
Modbus Register	**Scale**	**Sign**	**Units**	**Description**	**Comments**
40001	1	U	ENUM	Switch Position	0=Off, 1=AUTO, 2=Manual
40002	1	U	ENUM	Control State	0=Stopped, 1=Pending, 2=Warm Up, 3=Running, 4=Cool Down (rated), 5=Cool Down (idle)
40003	1	U		Fault Code	
40004	1	U	ENUM	Fault Type	0=Normal, 1=Warning, 2=Derate, 3=Shutdown w/Cooldown, 4=Shutdown
40005	1	U	Bitfield	NFPA110	See **Table 8 on page 457**
40006	1	U	Bitfield	NFPA Extended	See **Table 9 on page 457**
40007	1	U	Volts	L1N Voltage	
40008	1	U	Volts	L2N Voltage	
40009	1	U	Volts	L3N Voltage	
40010	1	U	Volts	L1L2 Voltage	
40011	1	U	Volts	L2L3 Voltage	
40012	1	U	Volts	L3L1 Voltage	
40013	1	U	Amps	L1 Current	

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Generator Set					
Modbus Register	**Scale**	**Sign**	**Units**	**Description**	**Comments**
40014	1	U	Amps	L2 Current	
40015	1	U	Amps	L3 Current	
40016	1	S	kVA	Total kVA	
40017	0.01	U	Hz	Frequency	
40018	0.1	U	%	PercentAmps APhase	
40019	0.1	U	%	PercentAmps BPhase	
40020	0.1	U	%	PercentAmps CPhase	
40021	1	S	kW	Total kW	
40022	0.01	S		Total Power Factor	
40023	0.01	S	Volts	Battery Voltage	
40024	0.1	S	psi	Oil Pressure	
40025	0.1	S	_F	Oil Temperature	
40026	0.1	S	_F	Coolant Temperature	
40027	1	U	GPH	Fuel Rate	
40028	0.1	U	Gallons	Fuel Level	
40029	1	U	RPM	Average Engine Speed	
40030	1	U		Engine Starts	
40031	0.1	U	Hours	Engine Runtime	

ATS					
Modbus Register	**Scale**	**Sign**	**Units**	**Description**	**Comments**
40001	1	U	ENUM	Mode	0=Test 1=Utility/Genset, 2=Utility/Utility, 3=Genset/Genset
40002	1	U	ENUM	Active Transfer Timer	0=None, 1=EngineStartASource2, 2=EngineStartBSource1, 3=NormaltoEmergency (TDNE), 4=EmergencytoNormal (TDEN), 5=EngineCooldownA (TDECa), 6=EngineCooldownB (TDECb), 7=ProgramTransition (TDPT), 8=Transfer Pend./Elevator (TDEL), 255=Unknown

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ATS					
Modbus Register	**Scale**	**Sign**	**Units**	**Description**	**Comments**
40003	1	U		Fault Code	
40004	1	U	ENUM	Fault Type	0=No Faults, 1=Warning
40005	1	U	Bitfield	NFPA110	See **Table 10 on page 458**
40006	1	U	Bitfield	NFPA Extended	See **Table 11 on page 458**
40007	1	U	Volts	L1N Voltage (Load)	
40008	1	U	Volts	L2N Voltage (Load)	
40009	1	U	Volts	L3N Voltage (Load)	
40010	1	U	Volts	L1L2 Voltage (Load)	
40011	1	U	Volts	L2L3 Voltage (Load)	
40012	1	U	Volts	L3L1 Voltage (Load)	
40013	1	U	Amps	L1 Current (Load)	
40014	1	U	Amps	L2 Current (Load)	
40015	1	U	Amps	L3 Current (Load)	
40016	1	S	kW	Total kW (Load)	
40017	0.01	S		Total Power Factor (Load)	
40018	1	S	kVAR	Total kVAR (Load)	
40019	1	S	kVA	Total kVA (Load)	
40020	0.01	U	Hz	Frequency (Load)	
40021	0.1	U	%	PercentAmps APhase (Load)	
40022	0.1	U	%	PercentAmps BPhase (Load)	
40023	0.1	U	%	PercentAmps CPhase (Load)	
40024	1	U	Volts	L1N Voltage Source1	
40025	1	U	Volts	L2N Voltage Source1	
40026	1	U	Volts	L3N Voltage Source1	
40027	1	U	Volts	L1L2 Voltage Source1	
40028	1	U	Volts	L2L3 Voltage Source1	
40029	1	U	Volts	L3L1 Voltage Source1	
40037	0.01	U	Hz	Frequency Source1	
40041	1	U	Volts	L1N Voltage Source2	
40042	1	U	Volts	L2N Voltage Source2	
40043	1	U	Volts	L3N Voltage Source2	
40044	1	U	Volts	L1L2 Voltage Source2	

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ATS					
Modbus Register	**Scale**	**Sign**	**Units**	**Description**	**Comments**
40045	1	U	Volts	L2L3 Voltage Source2	
40046	1	U	Volts	L3L1 Voltage Source2	
40054	0.01	U	Hz	Frequency Source2	

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18 AUX101/102 Modbus Register Map

NOTICE

Earlier versions of software may not support all of the Modbus registers in the following table. If a particular register is not available in your installation, it is possible that the Modbus connection is working but the controller software does not support that particular register.

NOTICE

If an address or bit is not listed in this table it is not implemented.

Addr.	System Name	Access	Specifications		Comments
43044	Modbus Device ID	Read Only	As supported by Modbus protocol	Default: Modbus Address 13 Type: Trim	Changing the address causes no communication with the annunciator until the Modbus Master also changes its sending address.
43045	Modbus Baud Rate	Read Only	0: 2400 Baud 1: 4800 Baud 2: 9600 Baud 3: 19200 Baud 4: 38400 Baud 5: 57600 Baud	Default: 3 Type: Trim	Changing the baud rate causes no communication with the annunciator until the Modbus Master also changes its baud rate.
43046	Modbus Parity	Read Only	0: Even 1: Odd 2: None	Default: 2 Type: Trim	Changing the parity causes no communication with the annunciator until the Modbus Master also changes its parity.
43047	Modbus Stop Bits	Read Only	1 2	Default: 1 Type: Trim	Changing the stop bits causes no communication with the annunciator until the Modbus Master also changes its stop bits.
43048	Protocol	Read Only	0: RS485 1: Modbus	Default: 0 Type: Trim	Changes the communication protocol between RS485 and Modbus.
43049	Software Version	Read Only		Default: NA Type: Trim	Sends AUX101 current firmware version.
43050	Device Type	Read Only		Default: 59 Type: Trim	AUX101 Device Type
43051	AUX 102 Available	Read Only	0: Not Available 1: Available	Default: 0 Type: Trim	Indicates if AUX102 expansion board is available.

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Addr.	System Name	Access	Specifications		Comments
43052	Save Trims	Read/ Write	0: Do Nothing 1: Save Trims	Do Nothing Type: Trim	Save configuration parameters or adjustments to non-volatile memory. Perform Save Trims after all configurations have been updated. Do not save trims unless a change has occurred.
42001	Relay 1 Relay 2 Relay 3 Relay 4 Relay 5 Relay 6 Relay 7 Relay 8	Read/ Write	0: Inactive 1: Active	Default: 0	Parameters to allow the Relay to be turned on/off. The lower 8 bits are used to store out relay values. Relay 1 is stored in bit 0 and Relay 8 is stored in bit 7. The upper 8 bits are 0. In the event of a power cycle or reboot, all the output values are reset to 0. This register is used as heartbit for AUX101 and indicates a secure communication.
42009	Relay 9 Relay 10 Relay 11 Relay 12 Relay 13 Relay 14 Relay 15 Relay 16	Read/ Write	0: Inactive 1: Active	Default: 0	Parameters to allow the Relay to be turned on/off.
42017	Input 1	Read Only		Default: NA	Register that contains the value of Input 1.
42018	Input 2	Read Only		Default: NA	Register that contains the value of Input 2.
42019	Input 3	Read Only		Default: NA	Register that contains the value of Input 3.
42020	Input 4	Read Only		Default: NA	Register that contains the value of Input 4.
42021	Input 5	Read Only		Default: NA	Register that contains the value of Input 5.
42022	Input 6	Read Only		Default: NA	Register that contains the value of Input 6.
42023	Input 7	Read Only		Default: NA	Register that contains the value of Input 7.
42024	Input 8	Read Only		Default: NA	Register that contains the value of Input 8.

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Addr.	System Name	Access	Specifications		Comments
42025	Input 9	Read Only		Default: NA	Bit 0 of this register is used for Input 9 when AUX102 is available.
	Input 10				Bit 1 of this register is used for Input 10 when AUX102 is available.
	Input 11				Bit 2 of this register is used for Input 11 when AUX102 is available.
	Input 12				Bit 3 of this register is used for Input 12 when AUX102 is available.
42029	Current Source 1 Settings	Read/ Write	mA = CS/10	Default: NA Type: Trim	Set for Analog Input 3.
42030	Current Source 2 Settings	Read/ Write	mA = CS/10	Default: NA Type: Trim	Set for Analog Input 4.
42031	Current Source 3 Settings	Read/ Write	mA = CS/10	Default: NA Type: Trim	Set for Analog Input 5.
42032	Current Source 4 Settings	Read/ Write	mA = CS/10	Default: NA Type: Trim	Set for Analog Input 6.
42033	Input 1 Settings	Read/ Write	0: Sender 1: Switch - Active Low 2: Switch - Active High	Default: NA Type: Trim	Register to configure Input 1.
42034	Input 2 Settings	Read/ Write	0: Sender 1: Switch - Active Low 2: Switch - Active High	Default: NA Type: Trim	Register to configure Input 2.
42035	Input 3 Settings	Read/ Write	0: Sender 1: Switch - Active Low 2: Switch - Active High	Default: NA Type: Trim	Register to configure Input 3.
42036	Input 4 Settings	Read/ Write	0: Sender 1: Switch - Active Low 2: Switch - Active High	Default: NA Type: Trim	Register to configure Input 4.
42037	Input 5 Settings	Read/ Write	0: Sender 1: Switch - Active Low 2: Switch - Active High	Default: NA Type: Trim	Register to configure Input 5.
42038	Input 6 Settings	Read/ Write	0: Sender 1: Switch - Active Low 2: Switch - Active High	Default: NA Type: Trim	Register to configure Input 6.

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Addr.	System Name	Access	Specifications		Comments
42039	Input 7 Settings	Read/ Write	0: Sender 1: Switch - Active Low 2: Switch - Active High	Default: NA Type: Trim	Register to configure Input 7.
42040	Input 8 Settings	Read/ Write	0: Sender 1: Switch - Active Low 2: Switch - Active High	Default: NA Type: Trim	Register to configure Input 8.

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