PowerCommand® Network

Communications Module for PCC 3200 Controls

(FT-10)

Description

The PCC 3200 Network Communications Module (NCM) provides an interface for a PowerCommand Genset to the PowerCommand Network. The NCM is easily installed inside the generator control box without additional wiring, conduit, or external enclosures.

The NCM allows local or remote monitoring and control of the PowerCommand GenSet. The NCM allows a user to start, stop, and emergency stop, or reset a fault of the genset. The NCM may be configured for automatic alarm dial-out of genset fault conditions.

Features

- Provides simple real-time access to all necessary PowerCommand PCC 3200 genset data.

- Automatic indication of genset warning and shutdown conditions to a user-defined location.

- May be connected at any point in the PowerCommand Network

- Module firmware can be upgraded in the field.

- May be remotely monitored and controlled with PowerCommand Software for Windows® v 2.01

- Plugs easily into genset control requiring no additional wiring, conduit or external enclosures.

- Less wiring makes installation and system upgrades quick and easy

Specifications

Network		Temperature	
Echelon® LonWorks®, Twisted-pair 78 KBPS, FT-10			
		Operating	-25 to +70 °C (-13 to +158 °F)
Protocol		Storage	-25 to +80 °C (-13 to +176 °F)
Echelon LonWorks, GOAL			
		Humidity	
Power		Relative	25 - 90% (non-condensing)
Provided by PowerCommand Generator Control			

Monitoring Information Available

Generator	Engine	Status
Voltage (3-Phase)	Engine Speed	Switch Position
Current (3-Phase)	Engine Temperature (L & R)	GenSet Status
Percent Current	Exhaust Temperature (L & R)	Number of Starts
Percent Load	Oil Pressure	Model
Power Factor	Oil Temperature	Rating
Frequency	Low/High Battery Voltage	Fault Status
Real Power	Run Time	Load Demand Setting
Energy	Pre-Low Oil Pressure	Load Ramp Setting
Ground Fault	Pre-High Engine Temperature	Load Tracking
High/Low AC Voltage	Overspeed	
Reverse kW	Low Coolant Level	
Reverse kVAR	Low Fuel Level	
Overload	AC Charger Failure	

Annunciation Available*

NFPA 110	AC Alarms	Paralleling
High Battery Voltage	Customer Fault 2	Emergency Stop
Low Battery Voltage	Customer Fault 4	Pre-Low Oil Pressure
Genset Running	High AC Voltage	Low Oil Pressure
Pre-Low Oil Pressure	Low AC Voltage	Pre-High Engine Temp
Low Oil Pressure	Under Frequency	High Engine Temp
Pre-High Engine Temp	Overcurrent	Low Engine Temp
High Engine Temp	Short Circuit	Overspeed
Low Engine Temp	Reverse Power	Fail to Start
Overspeed	Loss of Field	Not in Automatic
Fail to Start	Loss of AC Input	Low Coolant Level
Not in Automatic	Fail to Synchronize	Fail to Synchronize
Low Fuel	Fail to Close	Fail to Close
Low Coolant Level	Overload	Reverse Power
	Emergency Stop	Loss of Field
	Communications Failure	Overload
	Common Alarm	Under Frequency

* Variations are not available.

Ordering Information

Part Number	Description
0541-0809	PCC 3200 Network Communications Module (NCM), FT-10 (KP60-2)

See your distributor for more information

Power Generation

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WARNING For Professional Use Only. Must be installed by a qualified service technician. Improper installation presents hazards of electrical shock and improper operation, resulting in severe personal injury and/or property damage.

WARNING Back feed to a utility system can cause electrocution and/or property damage. Do not connect generator sets to any building electrical system except through an approved device or after building main switch is open.