PowerCommand® Network Communications Module PCC2100

> Specification sheet

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Power Generation

Description

The PCC2100 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 PCC2100 genset data.
- Automatic indication of generator set 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

Echelon® LonWorks®, twisted-pair 78 KBPS, FT-10

Protocol

Echelon LonWorks, GOAL

Power

Provided by PowerCommand Genset Control

Temperature

Operating: -40 to +70 °C (-40 to +158 °F)
Storage: -40 to +80 °C (-40 to +176 °F)

Humidity

Relative 25 - 90% (non-condensing)

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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
0541-0770	PCC 2100 Network Communications Module (NCM), FT-10 (KP60-2)

See your distributor for more information.

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