

# PowerCommand® Network Communications Module OTPC/BTPC transfer switches



## > Specification sheet

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**Power  
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### Description

The OTPC/BTPC Network Communications Module (NCM) provides an interface for a PowerCommand® transfer switch to the PowerCommand Network (NCM). The NCM is easily installed inside the transfer switch enclosure without additional wiring, conduit or external enclosures.

The NCM allows local or remote monitoring and control of the PowerCommand transfer switch. The NCM allows a user to initiate a test, inhibit transfer or retransfer or reset a fault of the transfer switch. The NCM may be configured for automatic alarm dial-out of transfer switch fault conditions.

### Features

- Provides simple real-time access to all necessary PowerCommand transfer switch data.
- Automatic indication of transfer switch 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 transfer switch 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 Generator Control

#### Temperature

Operating: -25 to +70 °C (-13 to +158 °F)

Storage: -25 to +80 °C (-13 to +176 °F)

#### Humidity

Relative 25 – 90% (non-condensing)

## Monitoring information available

Source 1/source 2	Load	Status
Voltage (3-phase)	Voltage (3-phase)	Switch position
Current (3-phase)	Current (3-phase)	Exercise in progress
Percent load (3-phase)	Percent current	Common alarm
Percent amps (3-phase)	Percent load	Battery charger malfunction
Frequency	Power factor	Time delay status
Power factor	Frequency	Load sequence (1 through 8)
Total kW	Real power	ATS fail
Total kVAR	Energy	ATS test in progress
Total kVA	Ground fault	Transfer pending
Source available		Load shed
Source connected		Network battery low
Under/over voltage failure		Synch enable
Loss of phase failure		Speed adjust command
Under/over frequency failure		
Phase rotation failure		
Neutral current warning		

## Annunciation available\*

ATS extended alarms	NFPA 110	AC alarms	Paralleling
Source 1 and 2 available	Common alarm	Fault code	Fault reset
Source 1 and 2 connected	Genset supplying load (Source 2 connected)	Fault status	Load shed (0=restore, 1=shed)
Common alarm	Not in auto		Override
Not in automatic	Charger AC failure		Retransfer inhibit
Test/exercise in progress			Transfer inhibit
Low ATS battery			Remote test
Load shed			
Transfer inhibit			
Fail to close			
Retransfer inhibit			
Fail to disconnect			
Fail to sync			
Bypass to source 1			
Bypass to source 2			
Charger AC fail			

\* Variations are not available.

## Ordering information

Part number	Description
0541-0812	Network Communications Module (NCM) for OTPC/BTPC, <1000 A, FT-10 (M031-7)
0541-0868	Network Communications Module (NCM) for OTPC/BTPC, >1000 A, FT-10 (M031-7)

## See your distributor for more information.

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