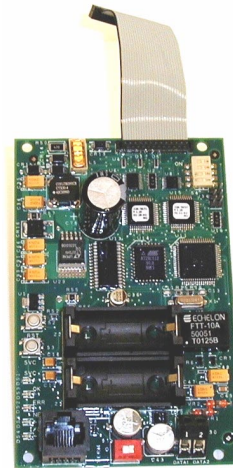


# PowerCommand® Network Network Communications Module for OTPC/BTPC Transfer Switches (FT-10)



## Description

The OTPC/BTPC Network Communications Module (NCM) provides an interface for a PowerCommand Transfer Switch 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 Transfer Switch. 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 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 genset control requiring no additional wiring, conduit, or external enclosures.
- Less wiring makes installation and system upgrades quick and easy

## Specifications

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

Source 1/Source 2	Load	Status
Voltage (3-Phase) Current (3-Phase) Percent Load (3-Phase) Percent Amps (3-Phase) Frequency Power Factor Total kW Total kVAR Total kVA Source Available Source Connected Under/Over Voltage Failure Loss of Phase Failure Under/Over Frequency Failure Phase Rotation Failure Neutral Current Warning	Voltage (3-Phase) Current (3-Phase) Percent Current Percent Load Power Factor Frequency Real Power Energy Ground Fault	Switch Position Exercise in Progress Common alarm Battery Charger Malfunction Time Delay Status Load Sequence (1 through 8) ATS Fail ATS Test in Progress Transfer Pending Load Shed Network Battery Low Synch Enable Speed Adjust Command

## Annunciation Available\*

ATS Extended Alarms	NFPA 110	AC Alarms	Paralleling
Source 1 and 2 Available Source 1 and 2 Connected Common Alarm Not in Automatic Test/Exercise in Progress Low ATS Battery 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	Common Alarm Genset Supplying Load (Source 2 connected) Not in Auto Charger AC Failure	Fault Code Fault Status	Fault Reset Load Shed (0=Restore, 1=Shed) Override Retransfer Inhibit Transfer Inhibit Remote Test

\* Variations are not available.

## Ordering Information

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

## See your distributor for more information



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Windows is a registered trademark of Microsoft.

**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.