

Overview

These ProWire Unified Power wall mount models are single and dual voltage access power systems, precision wired for MERCURY controllers. ProWire enables the specification and installation of **standardized access power equipment** across an enterprise for uniform operation, maintenance and servicing.

The C8 or M8 control modules each provide (8) eight access control inputs capable of voltage or dry contact activation, and (8) eight outputs programmable for failsafe / failsecure operation at either 12 or 24 VDC and controlled by the power supply fire alarm interface. The D8 module provides (8) eight auxiliary outputs. In dual voltage systems, each output is configurable for 12 or 24VDC operation.

ProWire Unified Power enclosures are painted steel with removable backplate, lock, keys and tamper switch and come 100% factory tested – ready for final panel installation and field wire termination.

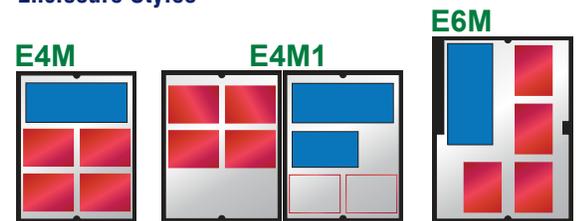


FPO150-B100 2D8PM8NL4E4M/P8-A
 Managed Power System
 E4M enclosure, A-Wired Panduit

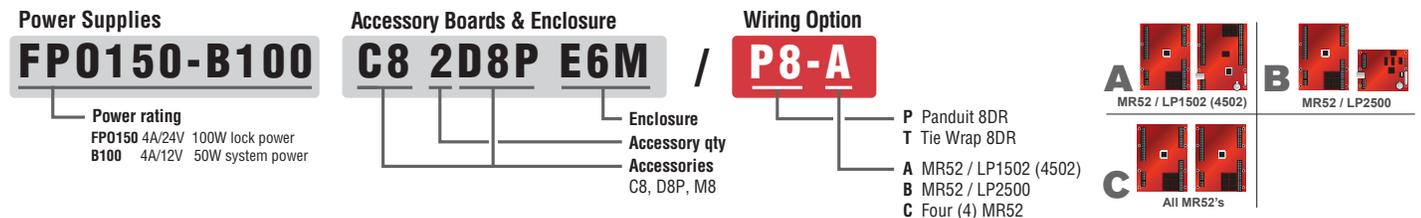
Product Features

- Pre-installed wire harness for panel power, lock control, faults and tamper switch
- Point to point wiring; labeled, color coded, twisted pair, shielded communication
- Tie wrap or Panduit wire duct cable management options
- Managed systems monitor power, batteries and (8) eight outputs
- UL294, ULC S319 joint LSP / Mercury integrated listing

Enclosure Styles



Model Nomenclature



*Model Number	Model Wiring Options						System Type	Distributed Outputs	Enclosure / Cable Mgmt
	T8-A	T8-B	T8-C	P8-A	P8-B	P8-C		Auxiliary and Control	H x W x D (inches)

Dual Voltage - 4A/12V and 4A/24V

FPO150-B100 C82D8PE4M/P8-A	T8-A	T8-B	T8-C	P8-A	P8-B	P8-C	Standard	8 auxiliary, 8 lock control	E4M 24 x 20 x 6.5 Tie Wrap
FPO150-B100 2D8PM8NL4E4M/P8-A	T8-A	T8-B	T8-C	P8-A	P8-B	P8-C	Networked	8 auxiliary, 8 managed	
FPO150-B100 C82D8PE4M1/P8-A	T8-A	T8-B	T8-C				Standard	8 auxiliary, 8 lock control	E4M1 24 x 20 x 6.5 Tie Wrap
FPO150-B100 2D8PM8NL4E4M1/P8-A	T8-A	T8-B	T8-C				Networked	8 auxiliary, 8 managed	
FPO150-B100 C82D8PE6M/P8-A	T8-A	T8-B	T8-C	P8-A	P8-B	P8-C	Standard	8 auxiliary, 8 lock control	E6M 30 x 23 x 6.5 Tie Wrap / Panduit
FPO150-B100 2D8PM8NL4E6M/P8-A	T8-A	T8-B	T8-C	P8-A	P8-B	P8-C	Networked	8 auxiliary, 8 managed	

Single Voltage - 12A/12V (6A/24V)

FPO150-C82D8PE4M/P8-A	T8-A	T8-B	T8-C	P8-A	P8-B	P8-C	Standard	8 auxiliary, 8 lock control	E4M 24 x 20 x 6.5 Tie Wrap
FPO150-2D8PM8NL4E4M/P8-A	T8-A	T8-B	T8-C	P8-A	P8-B	P8-C	Networked	8 auxiliary, 8 managed	
FPO150-C82D8PE6M/P8-A	T8-A	T8-B	T8-C	P8-A	P8-B	P8-C	Standard	8 auxiliary, 8 lock control	E6M 30 x 23 x 6.5 Tie Wrap / Panduit
FPO150-2D8PM8NL4E6M/P8-A	T8-A	T8-B	T8-C	P8-A	P8-B	P8-C	Networked	8 auxiliary, 8 managed	

*Model wiring option "P8-A" calls out A wired Panduit. Modify model number to order other options, i.e., FPO150-B100C82D8PE4M/T8-C (C wired tie wrap)

System Specifications

Power Supplies	FP0150	Power supply board 150W, 4A/24V
	B100	Secondard voltage module, 4A/12V class 2 power limited Input 120/230VAC 50/60Hz 170 Watts (1.42A) Overload and short circuit protection Over temperature protection Polarized AC power supply disconnect
Battery Charging		Independent built-in charger for sealed lead-acid or gel type batteries Microprocessor dual rate charging of 12 or 24V battery sets Automatic switchover to standby battery when AC fails Zero voltage drop when switched over to battery backup
Supervision		AC Fault (form "C" contacts) System Fault (form "C" contacts) System Fault conditions: Low or no battery short to earth ground power supply failure
Distribution Modules	D8P (X2)	8 auxiliary outputs, class 2 power limited at 2.5A per output (second D8P dedicated power to Mercury controllers)
	C8	8 relay lock control outputs, fused at 3A per output
	M8	8 relay managed outputs, fused at 3A per output
Network Management	NL4	Four port module. Monitors and reports power supply status. Tests and reports battery health status.
	M8	Monitors eight (8) individual outputs. Remote reset each output. Set window thresholds for voltage & current.
Enclosures	E4M	Size: 24.00H x 20.00W x 6.50D in. (61.00 x 50.00 x 16.50 cm) Weight: 28 lbs.
	E4M1	Size: 24.00H x 20.00W x 6.50D in. (61.00 x 50.00 x 16.50 cm) Weight: 28 lbs.
	E6M	Size: 30.00H x 23.00W x 6.50D in. (76.20 x 58.12 x 16.50 cm) Weight: 47 lbs.
Wiring Suffix	T8-A P8-A	T = Tie Wrap P = Panduit 8 = Door count A = MR52 / EP1502
	T8-B P8-B	T = Tie Wrap P = Panduit 8 = Door count B = MR52 / EP2500
	T8-C P8-C	T = Tie Wrap P = Panduit 8 = Door count C = All MR52s
Regulatory Compliance	USA/Canada	UL294, UL1076 ULC S319 CSA C22.2 #107.1 FCC Part 15 CSFM
	International	CE: IEC 62368-1:2014, EN55032:2015, EN61000-3-2:2014, EN61000-3-3:2013, EN55024:2010 +A1:2015 India BIS IS13252(Part1):2010 Mexico NOM 001:2018

Board Locations / Wiring Examples



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