

## Overview

These ProWire Unified Power wall mount models are single and dual voltage access power systems, precision wired for AMAG M2150 or M4000 series 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 provide eight access control inputs capable of voltage or dry contact activation, and 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 eight auxiliary outputs. In these dual voltage systems each output is configurable for 12 or 24VDC operation.

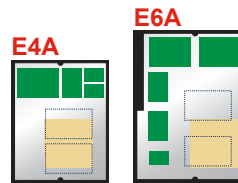
ProWire Unified Power enclosures are painted steel with removable backplate, lock, keys and and tamper switch and come 100% factory tested – ready for final panel installation and field wire termination.

## Product Features

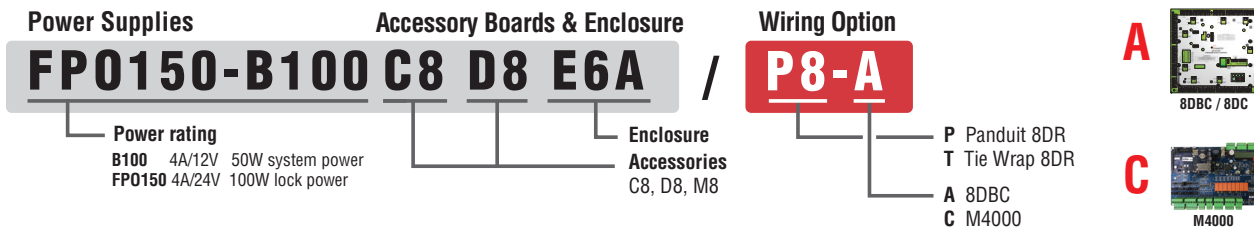
- ◆ Guarantees uniform installations across an enterprise
- ◆ Pre-installed wire harness for panel power, lock control, communication, faults, and tamper switch
- ◆ Point to point wiring; labeled, color coded, twisted pair, shielded communication
- ◆ Tie wrap or wire duct cable management options
- ◆ Managed systems monitor power, batteries and eight outputs
- ◆ UL294, ULC S319 joint LSP / AMAG integrated listing

## Enclosure Styles

- ◆ E4A, E6A - Wallmount



## Model Nomenclature



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

### Dual voltage - 4A/12V and 4A/24V

FPO150-B100C8D8E4A/T8-A	T8-A	T8-C			Standard	8 auxiliary, 8 lock control	<b>E4A</b> 24 x 20 x 6.5 Tie Wrap
FPO150-B100D8M8NL4E4A/T8-A	T8-A	T8-C			Networked	8 auxiliary, 8 managed	
FPO150-B100C8D8E6A/P8-A	T8-A	T8-C	P8-A	P8-C	Standard	8 auxiliary, 8 lock control	<b>E6A</b> 30 x 23 x 6.5 Tie Wrap / Panduit
FPO150-B100D8M8NL4E6A/P8-A	T8-A	T8-C	P8-A	P8-C	Networked	8 auxiliary, 8 managed	

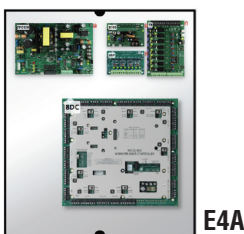
\*Model wiring option "P8-A" calls out A wired Panduit. Modify model number to order other options, i.e., FPO150-B100C8D8E4A/T8-C (C wired tie wrap)

## System Specifications

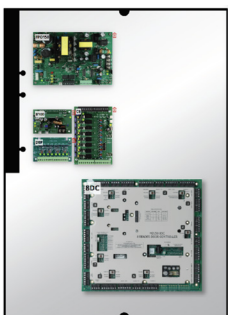
<b>Power Supplies</b>	<b>FP0150</b>	Power supply board 150W, 4A/24V
	<b>B100</b>	Secondard voltage module, 4A/12V class 2 power limited Input 120/230VAC 50/60Hz   170 Watts (1.42A) Overload and short circuit protection Over temperature protection Polarized AC power supply disconnect
<b>Battery Charging</b>	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	
<b>Supervision</b>	AC Fault (form "C" contacts) System Fault (form "C" contacts) System Fault conditions: Low or no battery   short to earth ground   power supply failure	
<b>Distribution Modules</b>	<b>D8</b>	8 auxiliary outputs, fused at 3A per output
	<b>C8</b>	8 relay lock control outputs, fused at 3A per output
	<b>M8</b>	8 relay managed outputs, fused at 3A per output
<b>Network Management</b>	<b>NL4</b>	Four port module. Monitors and reports power supply status. Tests and reports battery health status.
	<b>M8</b>	Monitors eight (8) individual outputs. Remote reset each output. Set window thresholds for voltage & current.
<b>Enclosures</b>	<b>E4A</b>	Size: 24.00H x 20.00W x 6.50D in. (61.00 x 50.00 x 16.50 cm)   Weight: 25 lbs.
	<b>E6A</b>	Size: 30.00H x 23.00W x 6.50D in. (76.20 x 58.12 x 16.50 cm)   Weight: 47 lbs.
<b>Wiring Suffix</b>	<b>T8-A   P8-A</b>	T = Tie Wrap P = Panduit 8 = Door count A = 8DBC
	<b>T8-C   P8-C</b>	T = Tie Wrap P = Panduit 8 = Door count C = M4000
<b>Regulatory Compliance</b>	<b>UL / ULC</b>	UL294, ULC S319
	<b>CSA / FCC</b>	CSA C22.2 #107.1   FCC Part 15, CSFM



## Board Locations / Wiring Examples

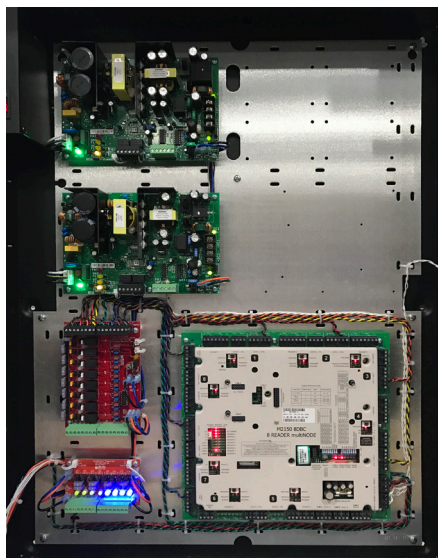


E4A

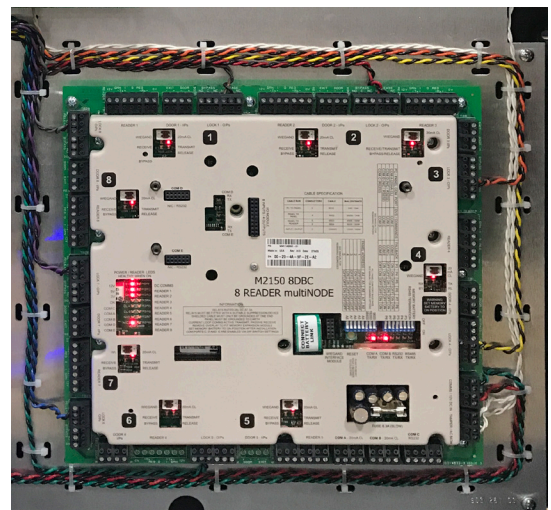


E6A

Tie Wrap example



Typical M2150 Wiring



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