

Overview

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

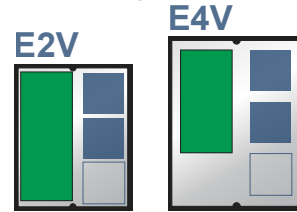
The C4 or M8 control modules provide access control inputs capable of voltage or dry contact activation, and outputs programmable for failsafe / failsecure operation at either 12 or 24 VDC and controlled by the power supply fire alarm interface. The D8 modules provide auxiliary outputs. In dual voltage systems, each output is configurable for 12 or 24VDC operation.

ProWire Unified Power enclosures are painted steel with removable backplate, lock, keys and 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, faults and tamper switch
- ♦ Point to point wiring; labeled, color coded, twisted pair, shielded communication
- ♦ Tie wrap cable management
- ♦ Managed systems monitor power, batteries and eight outputs
- ♦ UL294, ULC S319 listing

Enclosure Styles



Model Nomenclature

Power Supplies

FP075-B100

Power rating
 FP075 2A/24V 50W lock power
 B100 2A/12V 25W system power

Accessory Boards & Enclosure

C4 D8P E4V

Enclosure
Accessories
 C4, D8, M8 (fused)
 C4P, D8P, M8P (ptc)

Wiring Option

T4-A

T Tie Wrap 4DR
A V1000 / V100
B all V100's

A



V1000 + V100

B



All V100's

*Base Model Number	Tie Wrap Wiring		System Type	Distributed Outputs	Enclosure / Cable Mgmt
	T4-A	T4-B			

Dual voltage - 2A/12V and 2A/24V

FP075 – B100C4D8E2V /	T4-A	T4-B	Standard	8 auxiliary, 4 lock control	E2V 20 x 16 x 4.5 Tie Wrap
FP075 – B100M8PNL4E2V /	T4-A	T4-B	Networked	8 managed	E2V 20 x 16 x 4.5 Tie Wrap
FP075 – B100C4D8E4V /	T4-A	T4-B	Standard	8 auxiliary, 4 lock control	E4V 24 x 20 x 6.5 Tie Wrap
FP075 – B100M8PNL4E4V /	T4-A	T4-B	Networked	8 managed	E4V 24 x 20 x 6.5 Tie Wrap

Single voltage - 6A/12V (3A/24V)

FP075 – C4D8E2V /	T4-A	T4-B	Standard	8 auxiliary, 4 lock control	E2V 20 x 16 x 4.5 Tie Wrap
FP075 – M8PNL4E2V /	T4-A	T4-B	Networked	8 managed	E2V 20 x 16 x 4.5 Tie Wrap
FP075 – C4D8E4V /	T4-A	T4-B	Standard	8 auxiliary, 4 lock control	E4V 24 x 20 x 6.5 Tie Wrap
FP075 – M8PNL4E4V /	T4-A	T4-B	Networked	8 managed	E4V 24 x 20 x 6.5 Tie Wrap

*Complete model number requires base and wiring suffix, i.e. FP075-B100C4D8E2V / T4-A

System Specifications

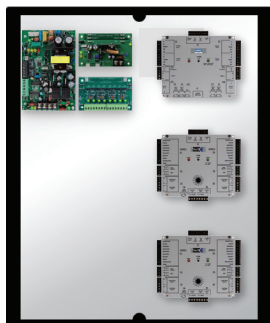
Power Supplies	FP075	Power supply board, 2A/24V
	B100	Secondard voltage module, 2A/12V class 2 power limited Input 120/230VAC 50/60Hz 83 Watts (0.69A) Overload and short circuit protection Over temperature protection Polarized AC power supply disconnect
Battery Charging	Independent built-in charger for 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	D8	8 auxiliary outputs, fused at 3A per output
	C4	4 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	E2V	Size: 20.00H x 16.00W x 4.50D in. (51.00 x 41.00 x 11.50 cm) Weight: 20 lbs.
	E4V	Size: 24.00H x 20.00W x 6.50D in. (61.00 x 50.00 x 16.50 cm) Weight: 28 lbs.
Wiring Suffix	T4-A	T = Tie Wrap 4 = Door count A = V1000 / V100
	T4-B	T = Tie Wrap 4 = Door count B = All V100's
Regulatory Compliance	UL / ULC	UL294, ULC S319
	CSA / FCC	CSA C22.2 #107.1 FCC Part 15, CSFM

Board Locations / Wiring Examples

E2V



E4V



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