

Overview

These ProWire Unified Power rack 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 C4, C8 or M8 control module 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 module provides eight auxiliary outputs. In dual voltage systems each output is configurable for 12 or 24VDC operation.

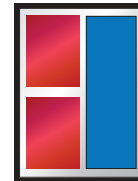
ProWire Unified Power rack drawers are painted steel with removable backplate, lock, keys and and tamper switch and come 100% factory tested – ready for final panel installation and field wire termination.

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 joint LSP / Mercury integrated listing

Rack Drawer

RGM



Model Nomenclature

Power Supplies

RGM75B

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

Accessory Boards

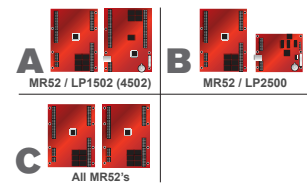
C8 Z

Z cable mgmt arm
Accessories
 C4, C8, M8PN

Wiring Option

T4-A

T Tie Wrap 4DR
A MR52 / LP1502 (4502)
B MR52 / LP2500
C Two (2) MR52



*Model Number	Tie Wrap Wiring			System Type	Distributed Outputs	Enclosure / Cable Mgmt
	T4-A	T4-B	T4-C		Auxiliary and Control	H x W x D (inches)

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

RGM75B-C8PZ/T4-A	T4-A	T4-B	T4-C	Standard	8 lock control	R2U 19" rack drawer Tie Wrap
RGM75B-M8PNZ/T4-A	T4-A	T4-B	T4-C	Networked	8 managed	

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

RGM75-C8PZ/T4-A	T4-A	T4-B	T4-C	Standard	8 lock control	R2U 19" rack drawer Tie Wrap
RGM75-C4D8PZ/T4-A	T4-A	T4-B	T4-C	Standard	8 auxiliary, 4 lock control	
RGM75-C8D8PZ/T4-A	T4-A	T4-B	T4-C	Standard	8 auxiliary, 8 lock control	R2U 19" rack drawer Tie Wrap
RGM75-M8PNZ/T4-A	T4-A	T4-B	T4-C	Networked	8 managed	

*Model wiring option "T4-A" calls out A wired tie wrap. Modify model number to order other options, i.e., RGM75-M8PNZ/T4-C (C wired tie wrap)



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	D8P	8 auxiliary outputs, class 2 power limited at 2.5A per output
	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	RGM	2U rack mount (19.00"W x 3.50"H x 20.50"D) Weight 24 lbs. Z bracket wire management articulating arm
Wiring Suffix	T4-A	T = Tie Wrap 4 = Door count A = MR52 / EP1502
	T4-B	T = Tie Wrap 4 = Door count B = MR52 / EP2500
	T4-C	T = Tie Wrap 4 = 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

RGM Rack drawer



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