LifeSafety Power®

FLEXPOWER FPO75-B100C4D8PE2M

MCLASS™ UNIFIED POWER SYSTEM

75W / 12 & 24VDC / 4 Doors

4 Lock / 8 Auxiliary

Overview

MCLASS™ Unified Power Systems combine FlexPower® power modules alongside Mercury Security™ access hardware in one compact and secure UL Listed solution.

This unit is a 12V and 24V DC dual voltage access power system.

The C4 lock control module provides four 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 integrated fire alarm interface circuit on the FPO. One D8P module provides eight auxiliary class II outputs and each output is configurable for 12 or 24VDC operation.

MCLASS enclosures are painted steel with removable backplate and include lock, two (2) keys and tamper switch.



FLEXPOWER UNIFIED POWER SOLUTIONS

System Features

- **FPO offline power supply**
  - *120 or 230 VAC input*
  - *12 and 24 VDC outputs*
  - *On board Fire Alarm Interface*
  - *Continuous and resettable DC*
- **Distributed output module**
  - *Eight auxiliary - class II at 2.5A each*
  - *Four lock control - fused at 3A each*
- **Expansion options**
  - *Increased power, multiple voltages*
  - *Additional distribution outputs*
  - *Network monitoring and reporting*
- **Lifetime Warranty**

Enclosure Features

- **Labor saving design**
  - *Pre-wired power section*
  - *Pre-punched knockouts*
  - *Removeable backplate simplifies installs*
  - *Pre-defined hole pattern for power section*
  - *Access panels mount on threaded studs - no drilling required*
- **Additional benefits**
  - *Wire management room*
  - *4.5" enclosure depth fits battery set*
  - *Tamper switch, lock, dual key set standard*
  - *Mounting hardware for access boards included*

Ordering	Description
FPO75-B100C4D8PE2M	150W (12V & 24V) 4 lock / 8 aux outputs, MCLASS encl.

RoHS compliant

Specifications

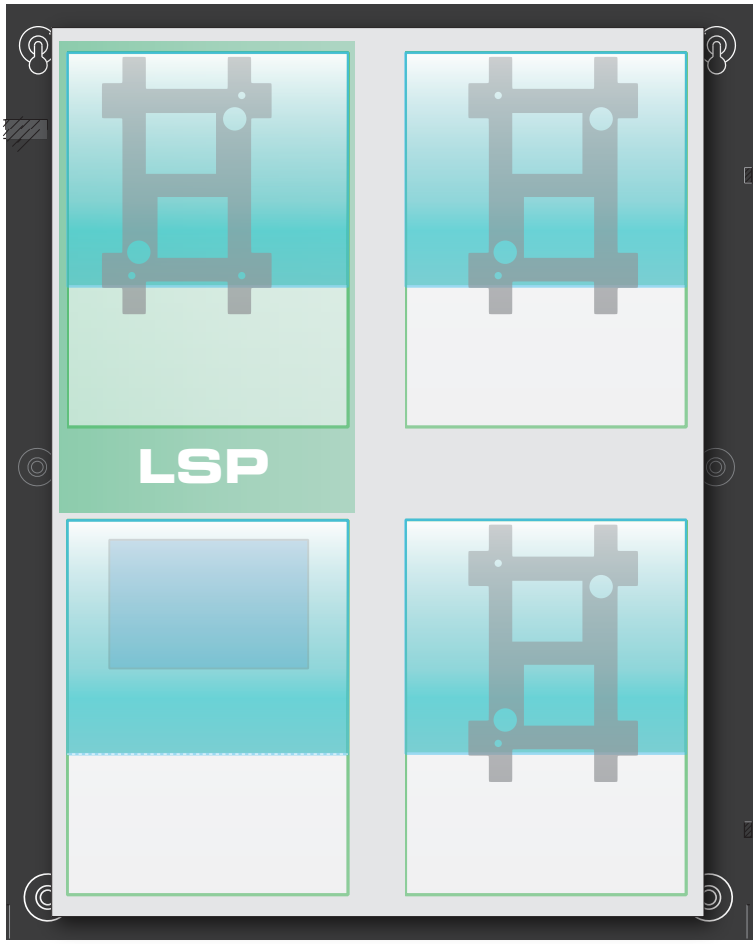
Input Power	Input 120/230 VAC 50/60 Hz | 83 Watts (0.70A) Overload and short circuit protection Over temperature protection Polarized AC power supply disconnect
Output Power	2A@12V and 2A@24V DC, 75W maximum combined output power Outputs: Continuous (DC1) Resettable (DC2) 4 control outputs, fused at 3A each 8 auxiliary outputs, class II power limited at 2.5A each 120 mV output voltage ripple System Efficiency: 83% | System BTU Rating: 33 BTU/Hr
Battery Charging	Independent built-in 1A charger for sealed lead acid or gel type batteries Microprocessor dual rate charging of 12 or 24 V battery sets Automatic switchover to standby battery when AC fails Zero voltage drop when switched over to battery backup
Supervision	AC Fail (form "C" contacts) System fail (form "C" contacts) may be triggered by low/no battery, short to earth ground and power supply failure
Visual Indicators	AC input, DC1 and DC2 output System fault | AC fault | Short to earth ground | Reverse battery polarity Fire Alarm Input activated B100: DC input / output and fault C4: DC output and fault D8P: DC output
Regulatory Compliance **Mercury/LSP** **Joint Listing**	UL294, UL603, UL1076, ULC S318, ULC S319 CSA C22.2 #107.1, CSA 22.2 #60950 CSFM / FCC Part 15, Subpart B CE
Enclosure Dimensions	Size: 20.00H x 16.00W x 4.50D in. (50.00 x 40.00 x 11.50 cm) | Weight: 18 lbs
Access Panel Mounting	EP1501, EP1502, EP4502, EP2500, MR50, MR51e, MR52, MR16, LNL-500, 1100, 1200, 1300, 1320, 2000, 2210, 2220, 3300

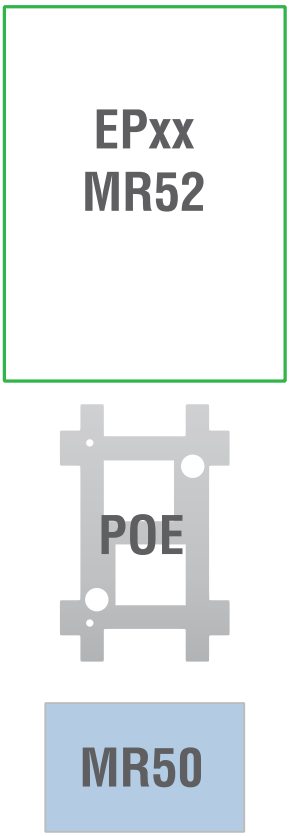
E2M Mercury Mounting Guide

Mercury	Slots w/Power	Slots all Mercury
EP1502 / 4502	3	4
EP2500 / MUX8	3	4
MR16in / MR16out	3	4
MR50	1	1
EP1501 / MR51e	2	3

Enclosure Features

- **Custom Backplate**
  - *LSP power modules pre-wired along left side*
  - *Three MR52 or three POE controllers*
- **Mechanical**
  - *4.5" cabinet depth*
  - *Removable door with "fast disconnect" ground strap*
  - *Multiple knockouts all four sides*
  - *Network module mounting holes for field upgrade*





Enclosure Dimensions (H x W x D)

20.00” x 16.00” x 4.50” (51 x 41 x 11.4 cm)

