



Overview

MCLASS enclosures are engineered to house FlexPower® power management boards alongside access hardware in one compact, secure system.

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

C4/C8 lock control modules provide twelve access control inputs capable of voltage or dry contact activation, and twelve outputs programmable for failsafe / failsecure operation at either 12 or 24 VDC and controlled by the integrated fire alarm interface circuit on the FPO. D8 module provides sixteen 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.

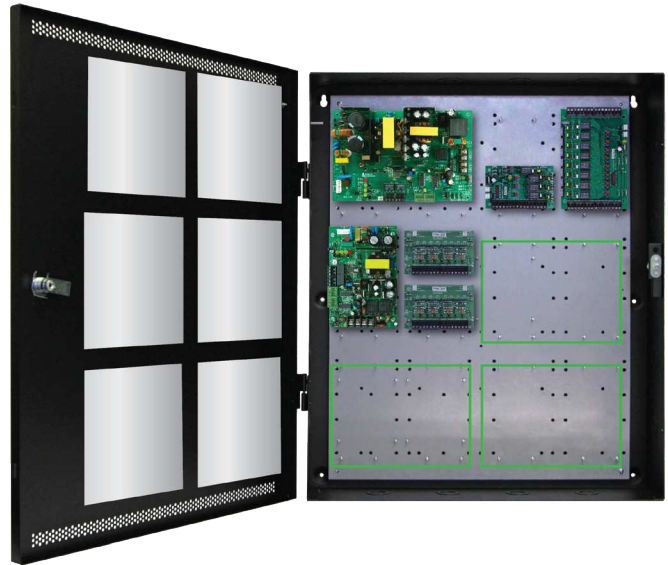
System Features

- ◆ **FPO offline power supply**
 - 120 or 230 VAC input
 - 12 and 24 VDC outputs
 - On board Fire Alarm Interface
 - Continuous and resettable DC
- ◆ **Distributed outputs**
 - 16 auxiliary, class II power limited at 2.5A each
 - 12 controlled, fused at 3A each
- ◆ **Remote Monitoring & Control option**
 - Live voltage / current reporting
 - Remote battery load testing
 - Output power cycling and abnormal operation alert
 - System / AC fault reporting

Enclosure Features

- ◆ **Labor saving design**
 - Pre-wired FlexPower section
 - Pre-formed knockouts
 - Removeable backplate simplifies instal
 - Pre-defined hole pattern for power section
 - Access panels mount on predefined stud mounts - no drilling required
- ◆ **Other refinements**
 - 4.5" enclosure depth fits 12Ah battery
 - Wire management room
 - Tamper switch, lock, dual key set standard

Lifetime Warranty



Ordering

FPO75/150-C4C82D8PE4M1

Description

225W (12V & 24V) 8 aux/lock outputs, MCLASS enclosure

Enclosure: 24.00H x 20.00W x 4.50D in.





Specifications

| | |
|------------------------------|--|
| Input Power | Input 120/230 VAC 50/60 Hz 225 Watts combined power (1.9A) Overload and short circuit protection Over temperature protection Polarized AC power supply disconnect |
| Output Power | FPO75: 12V/6A or 24V/3A 75 Watts FPO150: 12V/12A or 24V/6A 150 Watts Outputs: Continuous (DC1) Resettable (DC2) 16 auxiliary outputs, class II power limited at 2.5A each 12 lock control outputs, fused at 3A each 120 mV output voltage ripple System Efficiency: 87% System BTU Rating: 99 BTU/Hr |
| Battery Charging | Independent built-in 2A 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 D8P output status C8 output and fault status |
| Regulatory Compliance | UL294 and 1076 Class 2 / FCC / CSFM |
| Physical Dimensions | Enclosure: 24.00H x 20.00W x 4.50D in. (61.00 x 50.00 x 11.50 cm) |
| Access Mounting | EP1501, EP1502, EP2500, MR50, MR51e, MR52, MR16, LNL-500, 1100, 1200, 1300, 1320, 2000, 2210, 2220, 3300 |

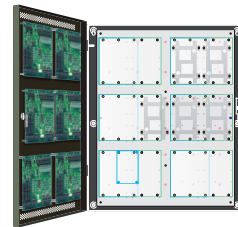
E4M / E4M1 backplate mounting pattern for power and access boards



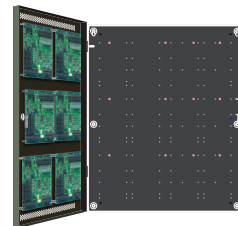
E4M MOUNTING PATTERN KEY

-  (6) slots 6 x 8 board size
-  (6) slots 6 x 5 board size
-  (5) slots 5.5 x 3.6 (bracket)
-  (1) slot 4.25 x 2.75 board size

E4M1 MOUNTS SIX MORE 6x8 TO DOOR



E4M2 MOUNTS 6x8 SIZE ON DOOR ONLY



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Specifications subject to change without notice.

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