LifeSafety Power®

FLEXPOWER **FPO75/150-C8D8E4A**
ACLASS™ UNIFIED POWER SYSTEM
225W / 12 & 24VDC / 8 Doors
8 Lock / 8 Auxiliary Outputs

Overview

ACLASS™ Unified Power Systems combine FlexPower® power modules alongside AMAG™ access hardware in one compact and secure access power solution.

This unit is a 225W dual voltage 12V and 24V DC access power system.

C8 lock control module 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 integrated fire alarm interface circuit on the FPO. D8 module provides eight auxiliary outputs and each output is configurable for 12 or 24VDC operation.

ACLASS 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**
  - – Eight auxiliary, fused at 3A each
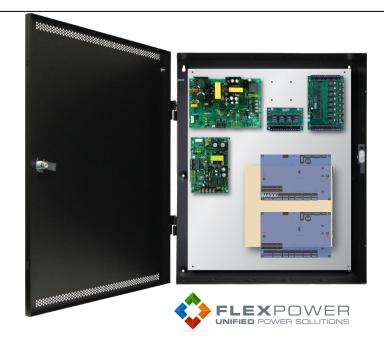 - – Eight controlled, fused at 3A each

- ◆ **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 standoffs - no drilling required

- ◆ **Additional benefits**
  - – Wire management room
  - – 6.5" enclosure depth fits battery set
  - – Tamper switch, lock, dual key set standard
  - – Mounting hardware for access boards included

FLEXPOWER
UNIFIED POWER SOLUTIONS

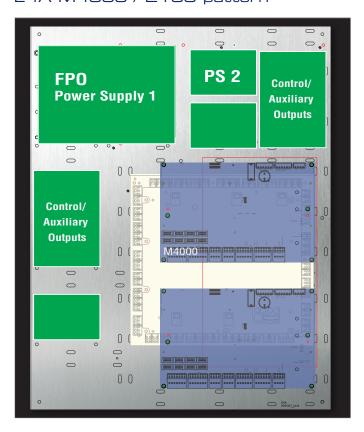| Ordering	Description
FPO75/150-C8D8E4A	225W (12V & 24V) 8 lock/aux outputs, ACLASS enclosure

Specifications

Input Power	Input 120/230 VAC 50/60 Hz | 253W Watts (2.11A) Overload and short circuit protection Over temperature protection Polarized AC power supply disconnect
Output Power	PS1: FPO75: 12V/6A or 24V/3A | 75 Watts PS2: FPO150: 12V/12A or 24V/6A | 150 Watts Outputs: Continuous (DC1) Resettable (DC2) 8 lock outputs, fused at 3A each 8 auxiliary outputs, fused at 3A each 120 mV output voltage ripple System Efficiency: 87% | System BTU Rating: 99 BTU/Hr
Battery Charging	Independent built-in charger for sealed lead acid or gel type batteries Microprocessor dual rate charging of 12 or 24 V battery sets Charges battery sets of up to 40Ah (FPO75) and 80Ah (FPO150) within UL limit Automatic switchover to standby battery when AC fails Zero voltage drop when switched over to battery backup
Supervision	AC Fail (form "C" contacts) System Fault (form "C" contacts) may be triggered by low/no battery, short to earth ground, power supply failure or blown fuse
Visual Indicators	AC input, DC1 and DC2 output System fault | AC fault | Short to earth ground | Reverse battery polarity Fire Alarm Input activated C8 output and fault status D8 output status
Regulatory Compliance (LSP equipment)	UL294, UL603, UL1076 ULC S318, ULC S319, CSA C22.2 #107.1, CSA C22.2 #60950 FCC Part 15, Subpart B / CSFM Approved
Enclosure Dimensions	Size: 24.00H x 20.00W x 6.50D in. (61.00 x 50.00 x 16.50 cm) | Weight: 25 lbs.
Access Mounting	Fits either two (2) M4000 or one (1) 8DBC, 8DC, 4DBC or 2DBC

E4A Mounting Guide

Pattern	Slots	Fits AMAG
Tan	1	8DBC, 8DC, 4DBC, 2DBC
Red*	1	4DC, AC24/24, OC4/24
Blue	2	M4000

*Factory standard wiring puts distribution on top. Mounting an AMAG board in this area may require user repositioning of distribution modules elsewhere.

Enclosure Features

- ◆ **Custom Backplate**
  - – *Light weight aluminum with AC and battery slots to protect cables*
  - – *LSP pre-wired power modules reduce installation time*
  - – *Front side screw in standoffs simplifies panel installation*
  - – *Wide wire management channels for tie wrap*

- ◆ **Mechanical**
  - – *Pre-drilled mounting holes for easy field upgrades*
  - – *4.5" cabinet depth accommodates large battery sets*
  - – *Removable door with "fast disconnect" ground strap*
  - – *Multiple knockouts all four sides*

E4A M4000 / 2150 pattern

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Specifications subject to change without notice.

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