# LifeSafety Power

**FLEX**POWER **AXV-400D-16DRE8M1N**
FEENICS INTEGRATED NETWORK ACCESS POWER
400W Dual Voltage / 16 Doors
16 Lock / 16 Auxiliary Outputs

## Overview

Feenics Integrated Access Network Systems combine FlexPower® power modules alongside Mercury Security™ access hardware in one compact and secure solution.

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

Two C8 lock control modules provide sixteen access control inputs capable of voltage or dry contact activation, and sixteen outputs programmable for failsafe / failsecure operation at either 12 or 24 VDC and controlled by the integrated fire alarm interface circuit on the FPO. Two D8P modules provide sixteen auxiliary outputs and each output is configurable for 12 or 24VDC operation.

LSP enclosures are painted steel with removable backplate and include lock, two (2) keys, tamper switch and din rail for SSC mounting.

### 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**
  - *Sixteen auxiliary, class II power limited at 2.5A each*
  - *Sixteen 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*
  - *4.5" enclosure depth fits battery set*
  - *Tamper switch, lock, dual key set standard*
  - *Mounting hardware for access boards included*

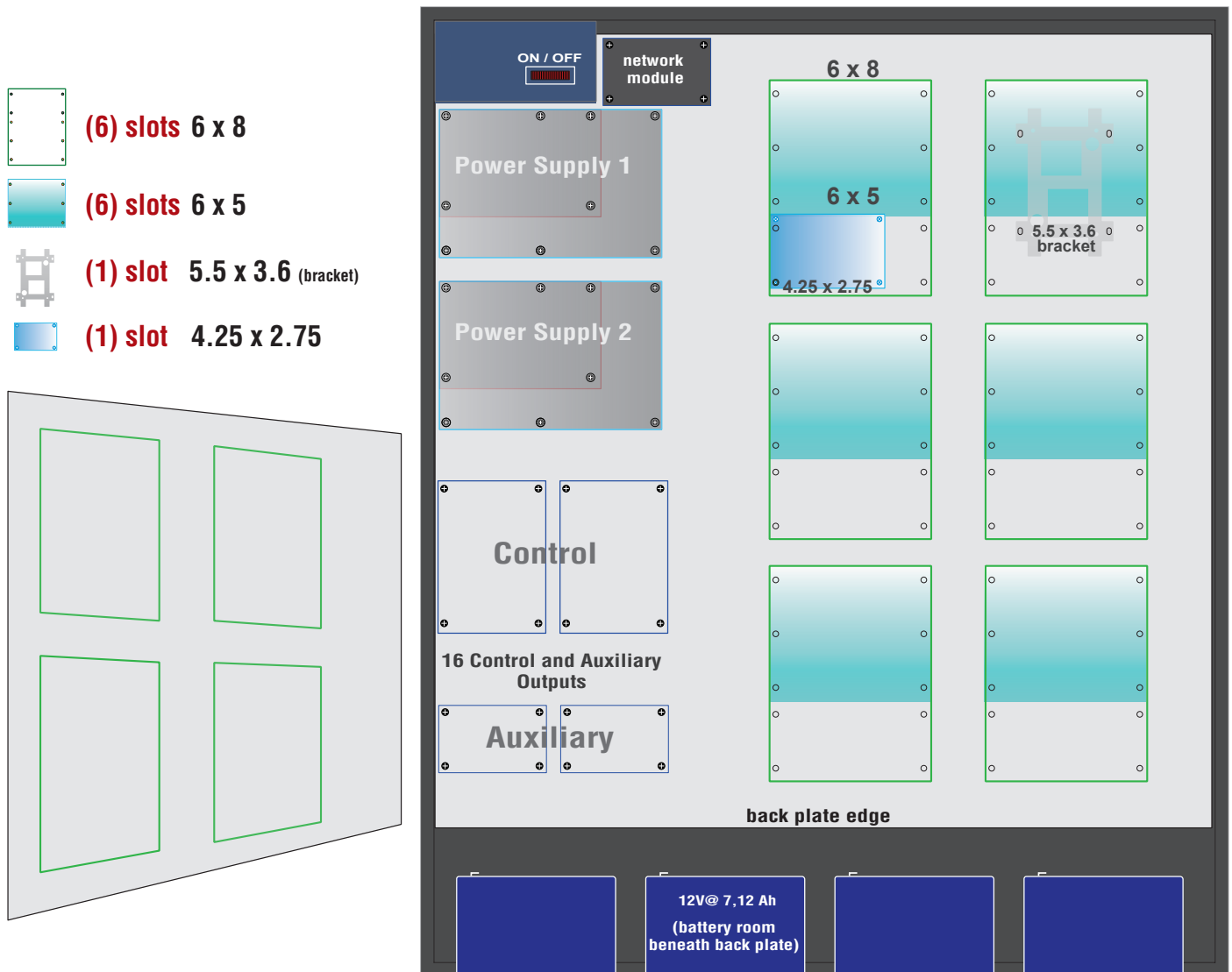### AXV-400D-16DRE8M1N

**Feenics**

| Ordering | Description |
|---|---|
| AXV-400D-16DRE8M1N | 400W (12V & 24V) 16 lock,16 aux outputs, Mercury enclosure |

## Specifications

| | |
|---|---|
| **Input Power** | Input 120/230 VAC 50/60 Hz  \|  452 Watts<br>Overload and short circuit protection<br>Over temperature protection<br>Polarized AC power supply disconnect |
| **Output Power** | FPO150: 12V/12A or 24V/6A  \| 150 Watts<br>FPO250: 12V/20A or 24V/10A  \| 250 Watts<br>Outputs: Continuous (DC1) Resettable (DC2)<br>16 control outputs, fused at 3A each<br>16 auxiliary outputs, class II power limited at 2.5A each<br>120 mV output voltage ripple<br>System Efficiency: 87%  \|  System BTU Rating: 175 BTU/Hr |
| **Battery Charging** | Independent built-in 2A charger for sealed lead acid or gel type batteries<br>Microprocessor dual rate charging of 12  or 24 V battery sets<br>Charges up to 80Ah battery sets within UL limit<br>Automatic switchover to standby battery when AC fails<br>Zero voltage drop when switched over to battery backup |
| **Supervision** | AC Fail (form "C" contacts)<br>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<br>System fault \| AC fault \| Short to earth ground \| Reverse battery polarity<br>Fire Alarm Input activated<br>C8:  DC input / output and Fault<br>D8P:  DC outputs |
| **Regulatory Compliance Mercury/LSP Joint Listing** | UL294, UL603, UL1076, ULC S318, ULC S319<br>CSA C22.2 #107.1, CSA 22.2 #60950<br>CSFM / FCC Part 15, Subpart B<br>CE |
| **Enclosure Dimensions** | Size: 36.00H x 30.00W x 4.50D in. (91.00 x 76.00 x 11.50 cm)  \| Weight: 80 lbs. |
| **Access Panel Mounting** | EP1501, EP1502, EP4502, EP2500, MR50, MR51e, MR52, MR16, LNL-500, 1100, 1200, 1300, 1320, 2000, 2210, 2220, 3300 |

## E8M1 door and backplate mounting pattern for power and access boards

**(6) slots** 6 x 8

**(6) slots** 6 x 5

**(1) slot** 5.5 x 3.6 (bracket)

**(1) slot** 4.25 x 2.75

ON / OFF

network module

6 x 8

6 x 5

5.5 x 3.6 bracket

4.25 x 2.75

Power Supply 1

Power Supply 2

Control

16 Control and Auxiliary Outputs

Auxiliary

**back plate edge**

**12V@ 7,12 Ah**

**(battery room beneath back plate)**

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Specifications subject to change without notice.