**DESCRIPTION**

The FlexPower FPX200A/150-2A8PD8PE2 is a mixed-voltage AC&DC output power supply specifically designed for the Access Control & CCTV segments of the lifesafety industry. The unit is configured in a painted, steel, locking enclosure with tamper switch.

The A8 provides visual indication of AC output voltage for each zone and overcurrent protection using 2.5A PTCs providing Class 2 Power Limited outputs.

A total of 8 auxiliary class II DC outputs are provided with each output being selectable for constant output or fire disconnect.

FPX systems are configured in a 20x16x4.5” enclosure with lock and tamper switch.

**BENEFITS**

- Agency Listed for Access Control, Fire, Security, CCTV, and Mass Notification
- **FlexPower® Feature Set**
  - SureCharge: Microprocessor controlled battery charging
  - PowerCom: Power supply programming / monitoring software
  - VSelect: Installer selectable output voltage
  - TruWatt: Delivers twice the current at 12V than at 24V
  - PwrHealth: Intelligent battery charging and battery state monitoring
  - FlexConnect: Dual voltage bus / pre-wired accessory board interconnects
  - Reliability+: Full fault protection / high efficiency / fiberglass pcb
  - GreenSmart: RoHS compliant, lead free, energy efficient design
  - DataLink: Network communication interface
- **System Features**
  - Fully modular power management system
  - Multiple outputs for system power, direct lock control and accessory power distribution
  - Expansion options include more lock outputs and remote mgmt
  - Fire alarm interface for egress lock control (FAI)
  - Configurable fail-safe / fail-secure modes of operation
  - Comprehensive fault detection and reporting including optional earth ground and battery presence
  - AC and System fault output relays can be delayed via PowerCom s/w
  - Microprocessor charging optimizes battery health
- **Lifetime Warranty**

**AGENCY LISTINGS**

**USA**
- UL 294
- UL 1481
- UL 603
- UL 2044
- UL 864
- UL 2572
- UL 1076
- FCC Part 15, Subpart B
- CSFM Approved

**CANADA**
- ULC S318
- ULC S319
- ULC S527
- CSA C22.2 #107.1
- CSA 22.2 #60950
- Ontario ESA

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**ELECTRICAL RATINGS**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Rating</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Input Voltage</strong></td>
<td>120</td>
<td>VAC</td>
</tr>
<tr>
<td><strong>Input Power (max)</strong></td>
<td>200VA</td>
<td>170 VA/Watts</td>
</tr>
<tr>
<td><strong>Output Voltage</strong></td>
<td>16VAC</td>
<td>12 or 24</td>
</tr>
<tr>
<td><strong>Output Current</strong></td>
<td>12 or 6</td>
<td>Amps</td>
</tr>
<tr>
<td><strong>Battery Charge Capacity</strong></td>
<td>80</td>
<td>Ah</td>
</tr>
<tr>
<td><strong>Efficiency</strong></td>
<td>87</td>
<td>%</td>
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<tr>
<td><strong>Output Ripple</strong></td>
<td>120</td>
<td>mVp-p</td>
</tr>
<tr>
<td><strong>Line Regulation</strong></td>
<td>0.1</td>
<td>±%</td>
</tr>
<tr>
<td><strong>Load Regulation</strong></td>
<td>2</td>
<td>±%</td>
</tr>
<tr>
<td><strong>BTU Rating</strong></td>
<td>204</td>
<td>BTU/Hr</td>
</tr>
<tr>
<td><strong>Continuous AC Outputs</strong></td>
<td>16</td>
<td></td>
</tr>
<tr>
<td><strong>Continuous DC Outputs</strong></td>
<td>8</td>
<td></td>
</tr>
<tr>
<td><strong>Fire Alarm Interface</strong></td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>
**FAULT DETECTION AND REPORTING**

The comprehensive fault detection and reporting mechanism of the FPO series provides for both local and remote fault reporting.

On-board visual indicators are provided to give immediate installer feedback. Independent form C relay contacts are provided to report AC and system fault conditions to remote or auxiliary equipment. A door tamper switch is included.

Detected Fault Conditions:
- AC Power
  - AC loss, AC low
- DC Power and System
  - Abnormal or loss of power supply operation
  - Over current, over temperature condition
  - DC output high, low
  - Battery Presence, Earth Ground (user optional)
  - Reversed battery condition, blown fuse or loss of output voltage on selected accessory boards (detected on the power supply)

**FIRE ALARM INTERFACE (FAI)**

- Activation Methods
  - DC voltage: 9 to 33VDC, 3 to 15mA
  - Dry contact NO/NC
- Latch Enable: NC contact set or switch (typically for Canadian use)

**POWER DISTRIBUTION MODULE (A8, A8P)**

- Eight power distribution outputs individually programmable to a continuous output drawn from either bus 1 or bus 2, typically used to program an output for either 24 or 28VAC
  - A8 3A fused per output
  - A8P 2.5A class 2, power limited per output
- AC Presence: Green LED per output
- Removable terminals: accepts #14 to #24 AWG

**POWER DISTRIBUTION MODULE (D8, D8P)**

- Eight power distribution outputs individually programmable to a continuous output drawn from either bus 1 or bus 2, typically used to program an output for either 12 or 24VDC
  - D8 3A fused per output
  - D8P 2.5A class 2, power limited per output
- DC Presence: Green LED per output
- Removable terminals: accepts #14 to #24 AWG