

Overview

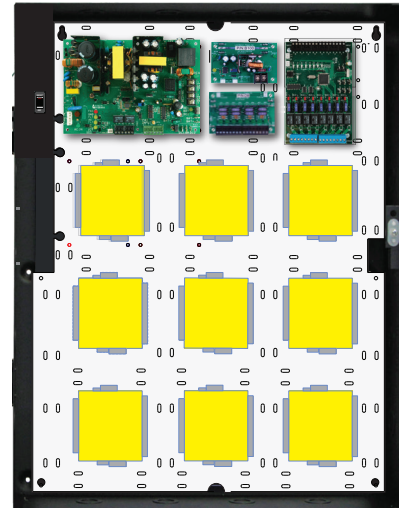
Networked PCLASS™ Unified Power Systems combine FlexPower® power modules alongside Paxton Access hardware in one compact, secure enclosure.

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

One M8 lock control module provides 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. One D8 module provides eight auxiliary outputs and each output is configurable for 12 or 24VDC operation.

Network module monitors both power supplies and battery set(s).

PCLASS 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 24V DC outputs
 - On board Fire Alarm Interface
 - Continuous and resettable DC
- ◆ **Auxiliary outputs**
 - Eight auxiliary, fused at 3A each
 - Eight managed, fused at 3A each
- ◆ **Remote Monitoring & Control**
 - Live voltage / current reporting
 - Remote battery load testing
 - Output power cycling and abnormal operation alert
 - System / AC fault reporting
- ◆ **Lifetime Warranty**

Enclosure Features

- ◆ **Engineered NET2 backplate**
 - Custom mounting pattern for eight door system
- ◆ **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

Specifications

Input Power	Input 120/230 VAC 50/60 Hz 170 Watts (1.41 Amps) Overload and short circuit protection Over temperature protection Polarized AC power supply disconnect
Output Power	4A@12V and 4A@24V DC, 150W maximum combined output power Outputs: Continuous (DC1) Resettable (DC2) 8 auxiliary outputs, fuse rated at 3.0 Amps per output 8 managed outputs, fuse rated at 3.0 Amps per output 120 mV output voltage ripple System Efficiency: 88% System BTU Rating: 66 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 Charges up to 80Ah battery sets 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 B100: DC input, output and Fault D8: DC outputs M8: DC outputs and Fault
Regulatory Compliance (LSP equipment)	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: 30.00H x 23.00W x 6.50D in. (76.00H x 58.00W x 16.50D cm) Weight: 50 lbs.
Access Panel Mounting	(9) NET2 controllers (can double stack controller for higher door counts)

Ordering

FP0150-B100D8M8NL4E6P

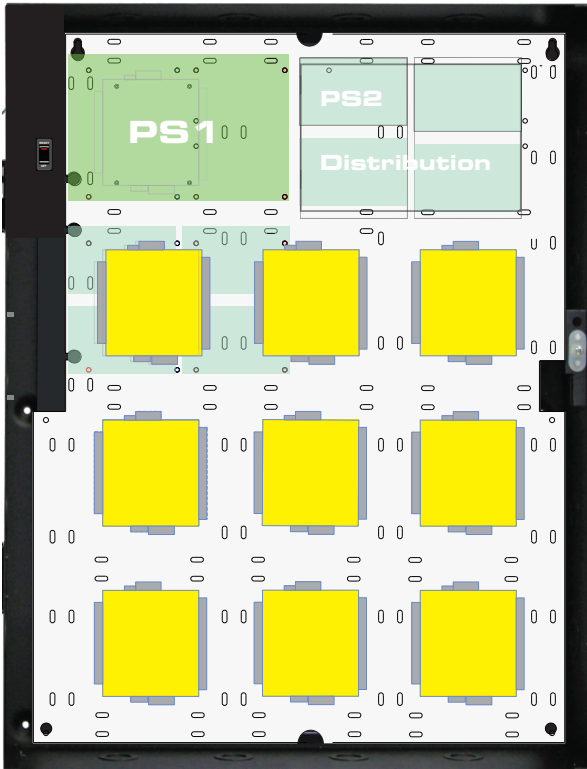
Description

Networked 150W (12V & 24V) 8 aux, 8 managed outputs



Paxton Access Mounting Guide

Paxton Access	Available Slots in Dual Voltage
NET2*	9*
*Stack for higher door counts	



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 with tie slots
- ◆ **Mechanical**
 - Protected AC cover with on/off circuit breaker for maintenance safety
 - Pre-drilled mounting holes for easy field upgrades
 - 6.5" cabinet depth accommodates large battery sets
 - Removable door with "fast disconnect" ground strap
 - Multiple knockouts all four sides

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