PSN-1000(E)
Power Expander

Features

- 10 Amp Power Supply
- 3 Amps, regulated per NAC
- 6 NACs Class B or 3 NACs Class A
- 2 dry contact inputs
- Fully programmable and monitored through control panel
- Isolated P-Link repeater connection, Class A or B
- Up to 31 power supplies per control panel with system wide sync
- Quadrasync feature synchronizes strobes from AMSECO, Gentex, Cooper-Wheelock and System Sensor.

FM APPROVED

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Description

The PSN-1000 series is a UL listed intelligent 10 amp notification power supply and P-Link (RS-485) repeater. The power supply connects to the P-Link bus from the control panel and is operated and supervised from the panel. The power supply may be installed 6,500 feet from the control panel. The PSN-1000 then repeats the P-Link communication for another 6,500 feet.

The power supply has six (6) Class B or three (3) Class A power outputs. Each output is regulated and power limited with a 3 Amp maximum rating. In addition, the PSN-1000 has two (2) programmable dry contact inputs. The dry contact inputs are Class B, supervised inputs.

The power supply operates on either 120 or 220 VAC power and has a regulated 24 VDC output. In addition, the panel can charge up to 55 AH batteries and will house 18 AH batteries. The cabinet is constructed out of 18 gauge cold rolled steel with a durable red powder coat finish. A standard Potter key lock is provided for securing the door. Electrical conduit knockouts are provided on the sides and top providing installers with multiple options for installing conduits and providing proper power separations.

The PSN-1000 is a self contained intelligent power supply/P-Link repeater complete with cabinet. The PSN-1000E is the intelligent power supply/P-Link repeater with additional cabinet roomfor mounting stacker bracket modules including PAD100-SLCE loop expanders. Both cabinets include space for 18 AH batteries.
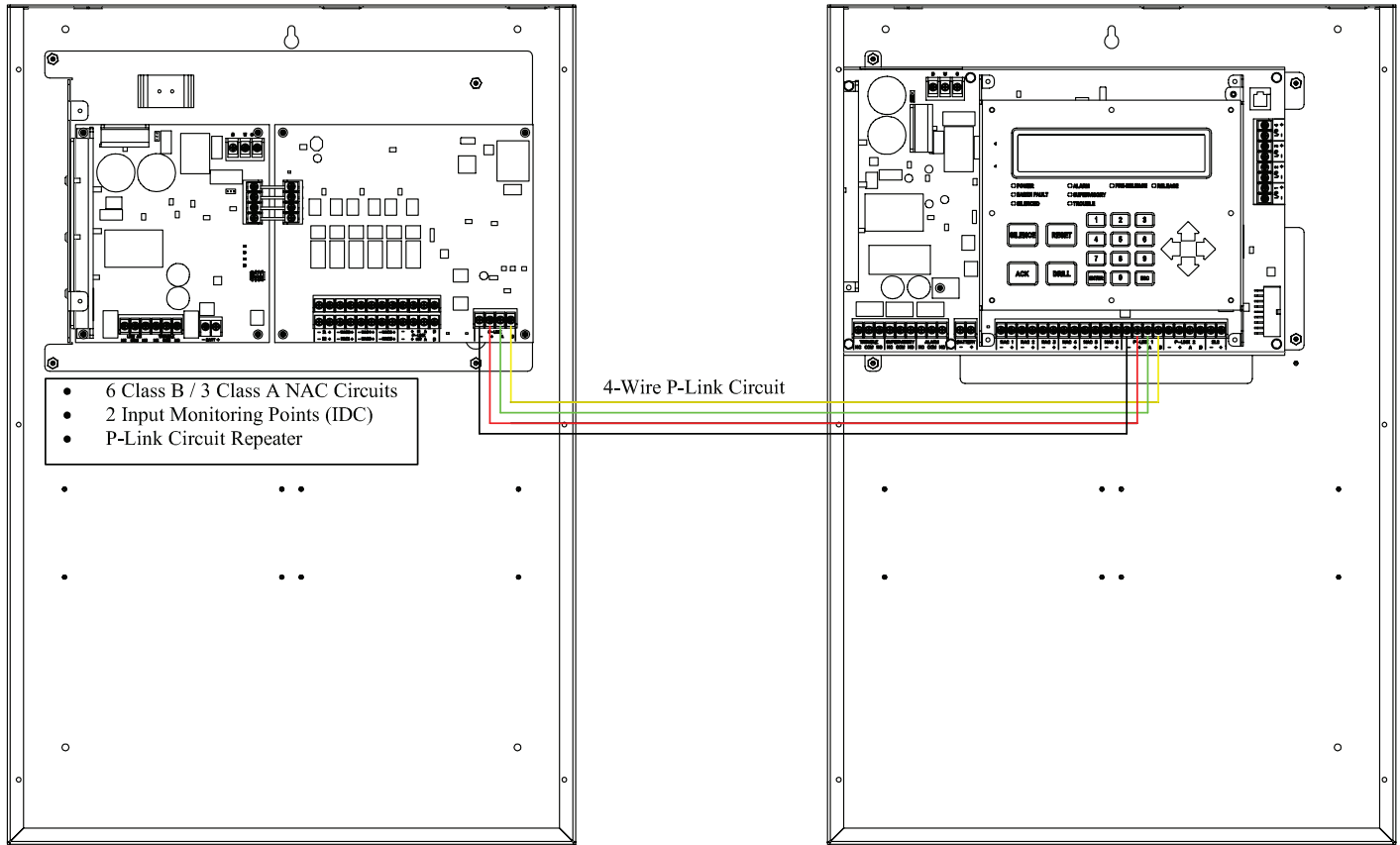
Technical Specifications

Size (H x W x D)	PSN-1000: 16 3/4"x 16 1/8" x 3 1/2" PSN-1000 E: 26" x 17.6" x 3.75"
Enclosure	Sixteen (16) gauge sheet steel with hinged, locked doors
Power Input	120 VAC at 50 HZ 240 VAC at 60 HZ 5.1 Amps/3.0 Amps max draw
Current	Standby 60 mA Alarm 200 mA
Temperature	32° to 120°F, humidity 93% non-condensing
Compatible Panles	IPA Series, AFC/ARC Series, PFC-4064, P Series*, PFC-6000 Adressable Series* * Legacy Product

The power supplies are programmed and controlled through the main control panel P-Link bus. The panel displays any troubles or off normal conditions of the power supply and the events are stored in the panel history buffer.

Each output can be independently configured to provide one of four synchronization patterns, Amseco®, Gentex®, Cooper Wheelock® and System Sensor®. The ouputs can be also configured for constant power, resettable power, sounder base power, door holder power (with or without a low AC drop out), ANSI temporal Code 3, City Tie or be a releasing circuit for 24vdc solenoids.

PSN-1000(E) Intelligent Power Supply

Potter Fire Alarm Control Panel

- 6 Class B / 3 Class A NAC Circuits
- 2 Input Monitoring Points (IDC)
- P-Link Circuit Repeater

4-Wire P-Link Circuit

Ordering Information

Model	Description	Stock No.
PSN-1000	Power Expander Standard Cabinet	3992662
PSN-1000(E)	Power Expander Large Cabinet	3992665