Advanced

Axis AX

PSN Series Power Supplies

The PSN series of notification power supplies offers reliable notification power with unprecedented versatility. The power supplies offer either 6 or 10 amps of continuous power through 4 or 6 outputs respectively. Each output is rated at 3 amps and it may be used continuously without any derating.

The power supply operates on either 120 VAC or 220 VAC power input and has a regulated 24 VDC output. In addition, the panel can charge up to 55 AH batteries. The cabinet is constructed of 18 gauge cold rolled steel and has a durable red powder coat finish. In addition, a key lock is provided for securing the door. Ample electrical knockouts are provided allowing the installer options for running wires and maintaining the correct separations.

The power supply offers an industry leading QuadraSync function that allows for multiple strobe circuits of different brands to be synchronized to flash at the same time. The supply can have four different brands, each connected to its own circuit and all of the strobes flash together. Each output can independently be configured to provide one of four synchronizations or steady power. This provides unequivocal flexibility in new and retrofit installations.

The supply can be configured to synchronize Potter/ AMSECO®, Gentex®, Wheelock® and System Sensor® strobe devices. Each output can be configured as the same sync protocol or set independently.

In addition, the supply has an input PassThru mode that allows the outputs to follow the input signal and sync up to the input flash. The supply will recognize the type of input being supplied and pass this through to the outputs with the same pattern. The input pass through can be selected on each output independently.

The power supply contains simple dipswitch programming and LED indications providing the installer with indications of the operation and the ability to correct any faults. A Trouble Memory is provided to allow an installer to review past troubles and make the necessary repairs. Each output has an LED to pinpoint the exact circuit where a problem may have occurred. Relays are provided for monitoring the general system and AC failure.



Enclosure Dimensions: 16 1/8"W x 16 3/4"H x 3 1/2"D

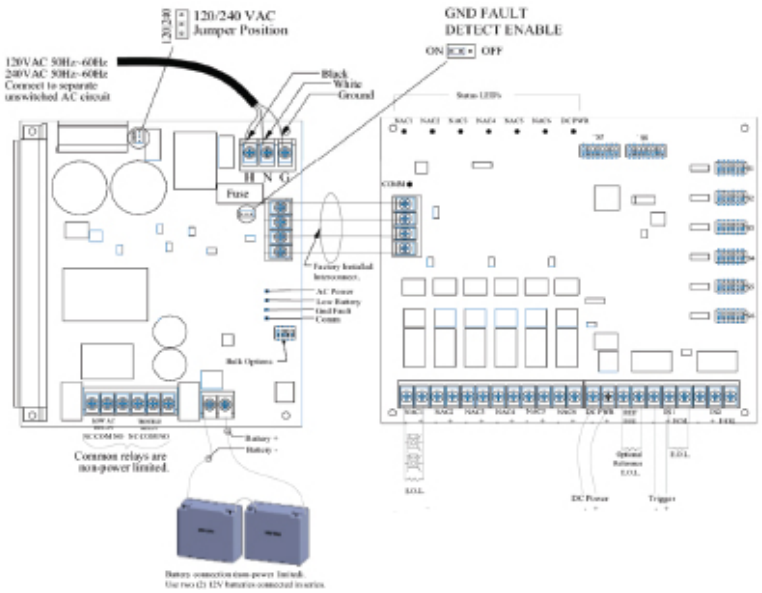
Features

- Sychronized Notification Appliance Circuits
- Configurable DIP Switch Output Circuit Programming
- Reference EOL Allows 2K-27K EOL Value
- QuadraSync Synchronization for Multiple Brand Usage
- PassThru Mode Operation Allow Matched Input Synchronization
- AX-PSN-64 Provides 6 Amps with 4 Outputs
- AX-PSN-106 Provides 10 Amps with 6 Outputs
- Outputs Rated at 3 Amps Each
- Two Trouble Relay Contacts (5A at 30VDC) - General System Trouble (Programmable for AC Delay) - Low AC Trouble
- Diagnostic LED's for: NAC Active, NAC Trouble, Earth Fault, AC On, Battery Fault

Listings and Approvals

- UL 864 Listed: file UOXX.S24460
- ULC Listed: file UOXX7.S24460
- CSFM Approved: 7315-0328:0189
- NYCFD COA #6105

Wiring Diagram



Engineering Specification

The contractor shall supply and install the AX PSN Series power supply. The power supply shall operate on either 120 or 240 VAC input. The supply shall be capable of continuous load power without any degradation to the main supply or the distribution board. The cabinet shall be capable of housing up to 18 AH batteries and the supply shall be capable of charging up to 55 AH batteries in an external cabinet.

The supply shall have dip switches for simplistic configuration of the system and LEDs to provide visual indication of the status of the system. The dip switches shall allow for AC power delay selection, Class A/B operation per output, Door Holder Power options, constant auxiliary power, trigger input type, ANSI Code 3 Temporal Code, Pass Thru (input tracking), Potter/AMSECO® sync, Gentex® Sync, System Sensor® Sync or Wheelock® sync.

The LEDs shall provide indication of communication between the power supply and distribution circuit assemblies. The LED's shall have distinct flash patterns to provide further indication of the troubles present. The supply shall have selectable Trouble Memory to provide the installer with an indication that a past trouble existed on a circuit for diagnostic purposes.

Each output of the power supply shall be capable of 3 amps of continuous power without degradation over time. The power supply shall provide for multiple circuits of strobe appliances. The power supply shall synchronize the flashes of any of the above listed strobe appliances on a per circuit basis. Up to four different strobe circuits may be connected and all of the strobes shall flash in unison as required by UL 864. In addition to this Quadrasync feature, the supply shall allow any of the four above mentioned sync patterns as an input and pass this signal through and synchronize the outputs to match the input flash pattern.

Ordering Codes and Options

AX-PSN-106	10 Amp Power Supply
AX-PSN-64	6 Amp Power Supply

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