

# Axis<sup>AX</sup>

## Power Supply Charger

The Advanced AX-PSU-6, Power Supply Charger, is an Axis AX Series power supply charger for use with the Advanced AV-AMP-80, Audio Amplifier Module, and other peripheral products requiring 24 VDC and battery backup.

The AX-PSU-6 is a completely self-contained microprocessor controlled; switching power supply designed using the latest surface mount technology to maximize energy and enclosure space.

Simple to install, the AX-PSU-6 typically mounts in an Axis AX Series, AV-VBM or AV-VB enclosure. The unit mounts with screws to dedicated standoffs located in each type of enclosure.

The charger of the AX-PSU-6 supplies a supervised temperature compensated 1.5 Amp charger current which can charge up to 45 Ah batteries. In addition, the charger offers battery protection against deep discharge and supervises for battery cell failure.

Each AX-PSU-6, Power Supply Charger, incorporates a fail-safe Form "C" trouble relay contact for use in monitoring power supply charger status. In addition to the trouble contact, there are seven (7) onboard diagnostic LEDs for indication of proper operation, ground fault, battery status, charger and power supply status.



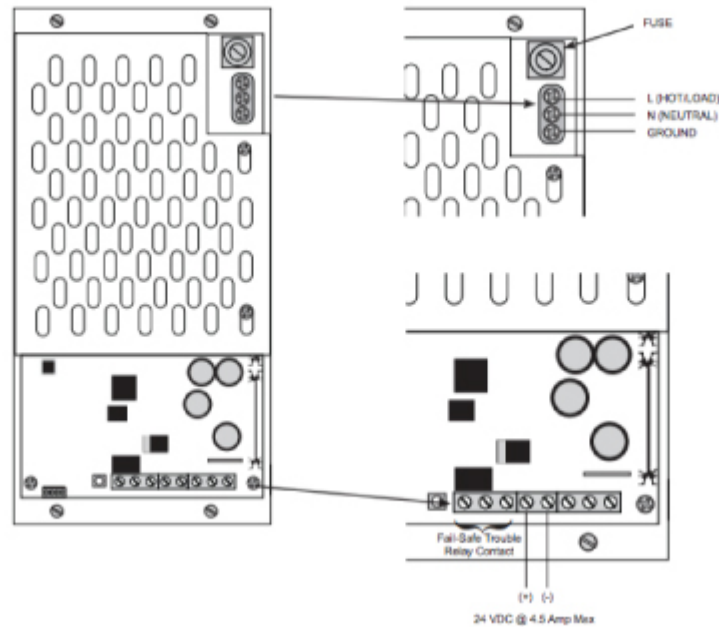
### Features

- 120 or 240 VAC Input, 50/60 Hz
- 6 Amp Power Supply Charger (1.5 Amp dedicated to battery charging)
- Charger Monitors for Battery Cell Failure
- Interfaces to AV-AMP-80 Amplifier and other Advanced Products
- Integral Emissions & Safety Shield
- 24 VDC Filtered, Regulated Power
- Max 1.5 Amp Charger Current, for 45 Ah Batteries. Deducted from overall 6 Amp supply
- High Efficiency Switching Mode Power Supply
- Fully Self-Contained
- Form C Fail-Safe Trouble Contact
- Dedicated Diagnostic LEDs

### Listings and Approvals

- ETL ANSI/UL 864/1711/1481 Listed: 101564744NYM-001, 100027836NYM-001c
- CSFM Approved: 7165-1713:0101
- NYCFD COA #6105A2

## Wiring Diagram



## Specification

|                             |  |
|-----------------------------|--|
| AC Input                    | 120 VAC - 240 VAC, 3 Amp (Max), 50/60 Hz         |
| DC Supply                   | Filtered, Regulated                              |
| Voltage                     | 24 VDC   |
| Current (Including charger) | 6 Amp (1.5 Amp Dedicated to Battery Charging)    |
| Battery Charger Capacity    | Max 1.5 Amp (Deducted from Overall 6 Amp Supply) |
| Maximum Battery             | 45 Ah  |
| Environment                 | Indoor, Dry                                      |
| Operating Temperature       | 32 °F-120 °F (0 °C-48 °C)                        |
| Humidity                    | 10-95% (Non-condensing)                          |
| Dimensions                  | 7 1/4" L X 4 1/4" W X 2 5/8" H                   |
| Weight                      | 1 lb 10.6 oz                                     |

## Order Codes and Options

|          |                      |
|----------|----------------------|
| AX-PSU-6 | Power Supply Charger |
|----------|----------------------|

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