

Description

The SNAP-PS24 power supply is designed to provide 24 volts of DC loop power for SNAP analog modules mounted on a SNAP B-Series mounting rack. The power supply is compatible with SNAP Ethernet I/O. The SNAP-PS24 can be mounted next to a SNAP B-Series rack and brain board assembly using the standard panel-mounting base or may be mounted using the optional DIN-rail adapter (SNAP-PSDIN).

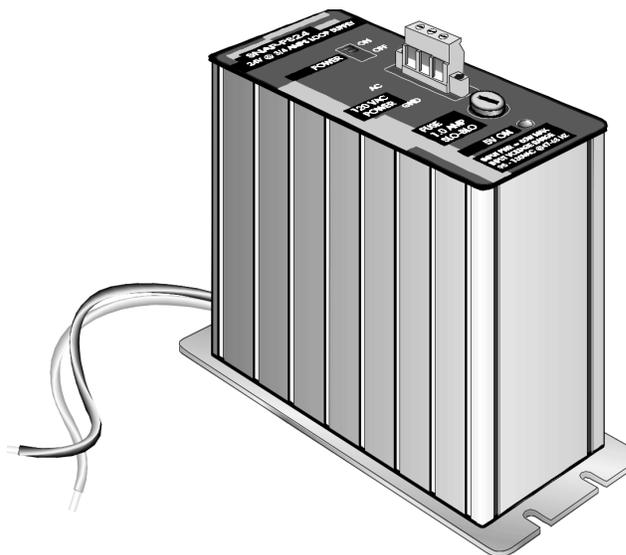
The SNAP-PS24's AC power connections are made to a removable terminal strip on top of the power supply. The DC output power is ready to be hooked up using the attached wiring harness.

Specifications

Input Voltage	95 to 130 Volts AC, 47-63 Hz
Output Voltage	24 ± 0.6 Volts DC
Output Current	3/4 Amps
Dimensions	5.1" W x 1.85" D x 5.25" H
Weight	2.1 Pounds
Temperature Operating Storage	0° C to 70° C -30° C to 85° C
Fuse Opto 22 P/N Vendor P/N	SNAP-FUSE1AB GDC-1A (Bussman)

Part Number	Description
SNAP-PS24	SNAP Power Supply - 24 V, 3/4 Amp
SNAP-PSDIN	DIN-Rail Adapter

SNAP POWER SUPPLY - PANEL MOUNT



Features

- Built-in fuse
- Brown-out protection
- ON/OFF power switch
- Wide input voltage range
- Optional DIN-rail mounting
- Convenient panel mounting
- Easy connection to line power
- Powers any combination of SNAP analog modules.
- Factory Mutual approved

Installation

MOUNTING AND WIRING

1. Mount the SNAP-PS24 power supply in a location where the attached output power wires will reach the field connector for SNAP analog modules or the terminal strip on SNAP mounting racks that have the additional field wiring terminal strips.
2. The white and red wire is the positive wire (24 VDC). The white and black wire is the negative wire (24 VDC return). For specific loop power wiring information, please refer to Opto 22 form number 785 for SNAP racks that have the additional field wiring terminal strip (Figure 1), or refer to form number 786 if wiring directly to the field connectors on SNAP analog modules (Figure 2).
3. Using the removable input power connector on top of the power supply, apply 120 volts of AC power between the two terminals marked "AC." The ground terminal should be connected to ground.

FIGURE 1

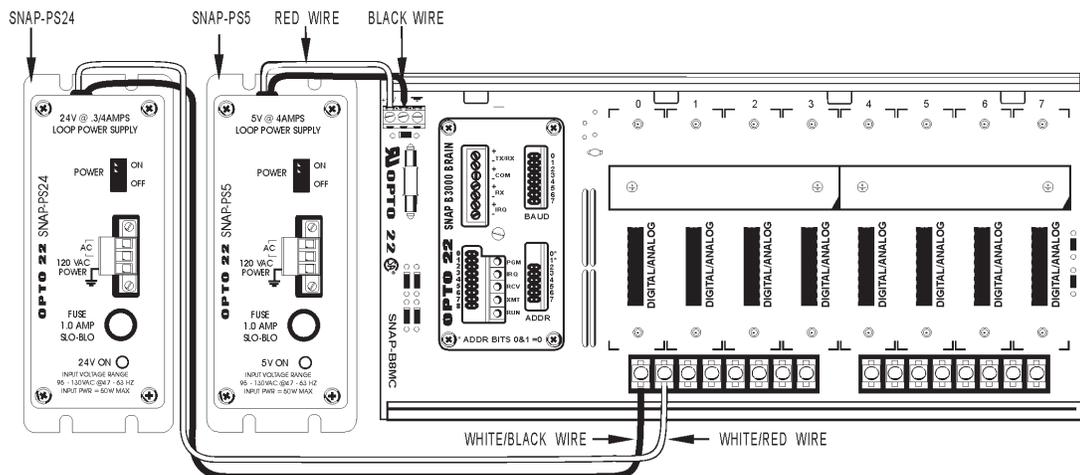
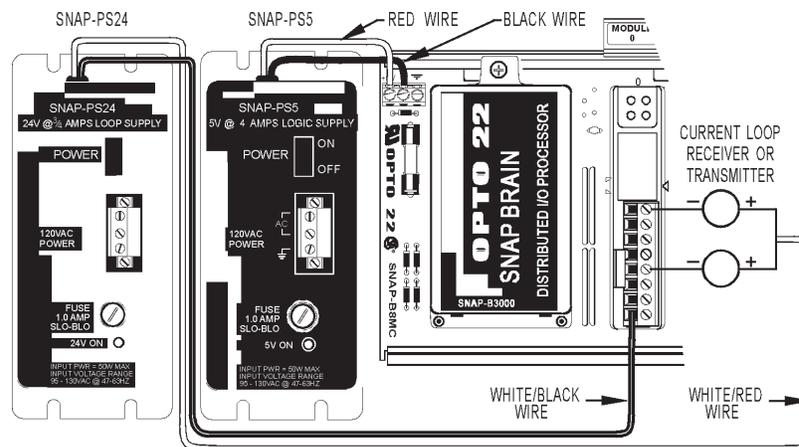


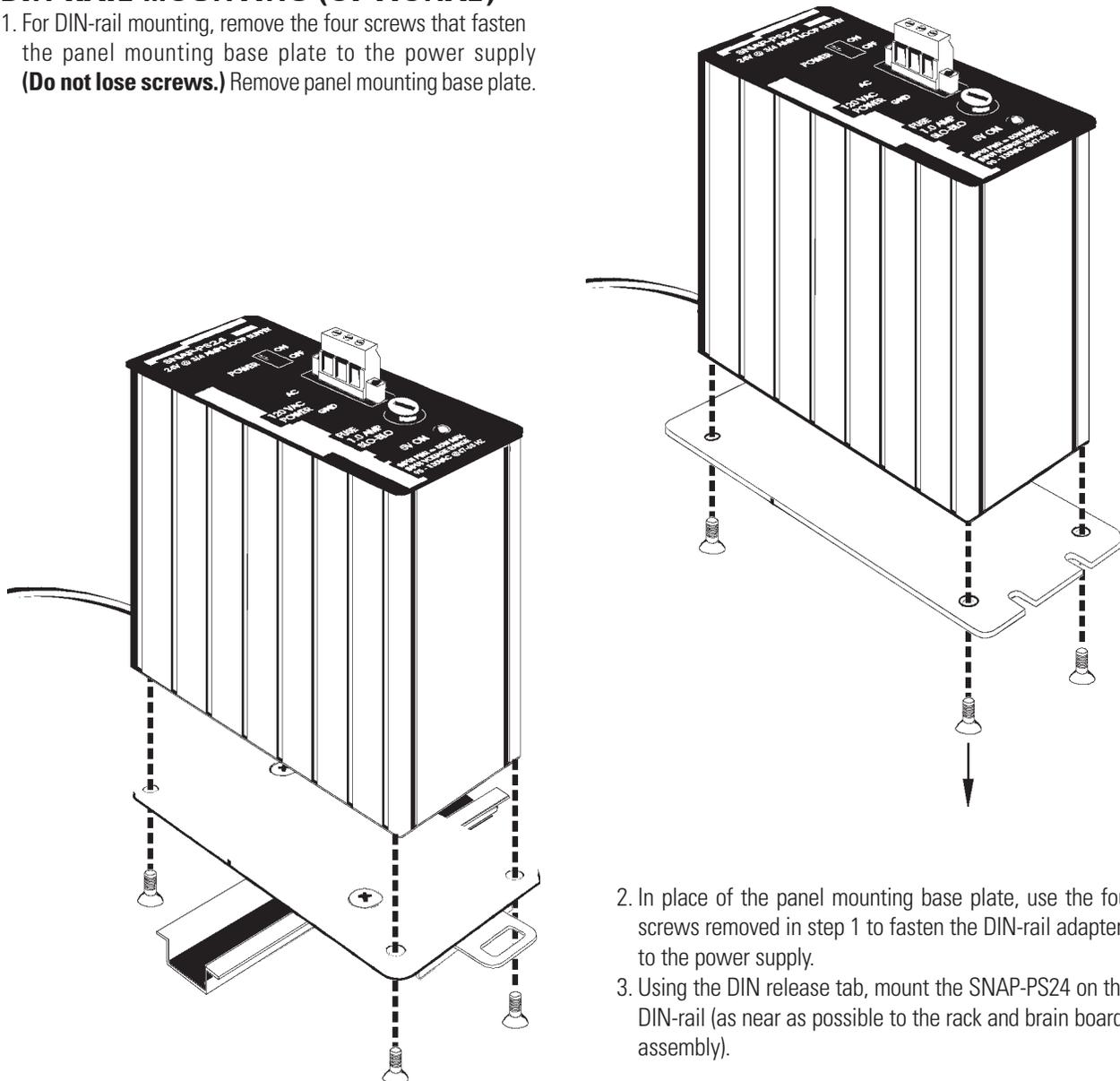
FIGURE 2



Installation

DIN-RAIL MOUNTING (OPTIONAL)

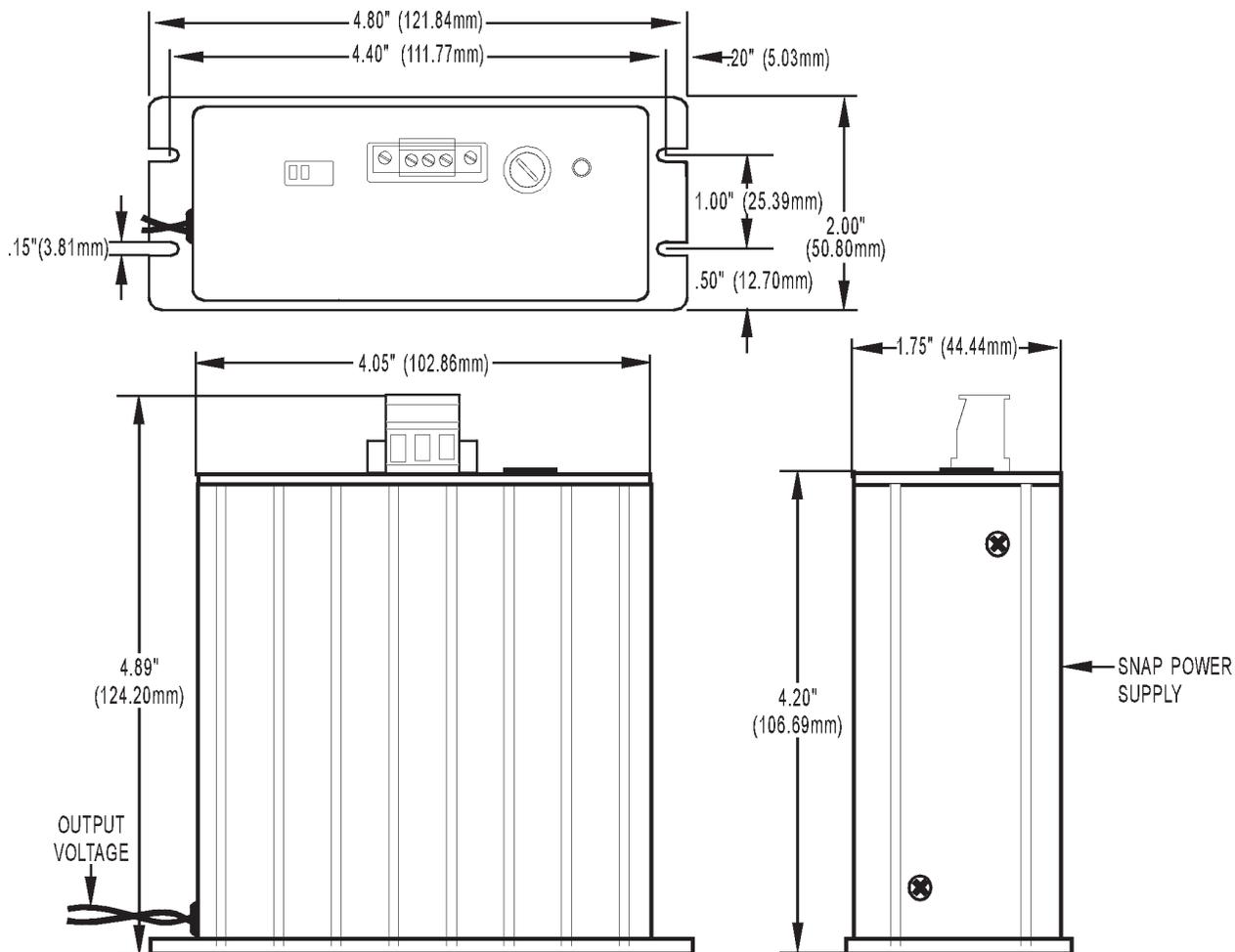
1. For DIN-rail mounting, remove the four screws that fasten the panel mounting base plate to the power supply (**Do not lose screws.**) Remove panel mounting base plate.



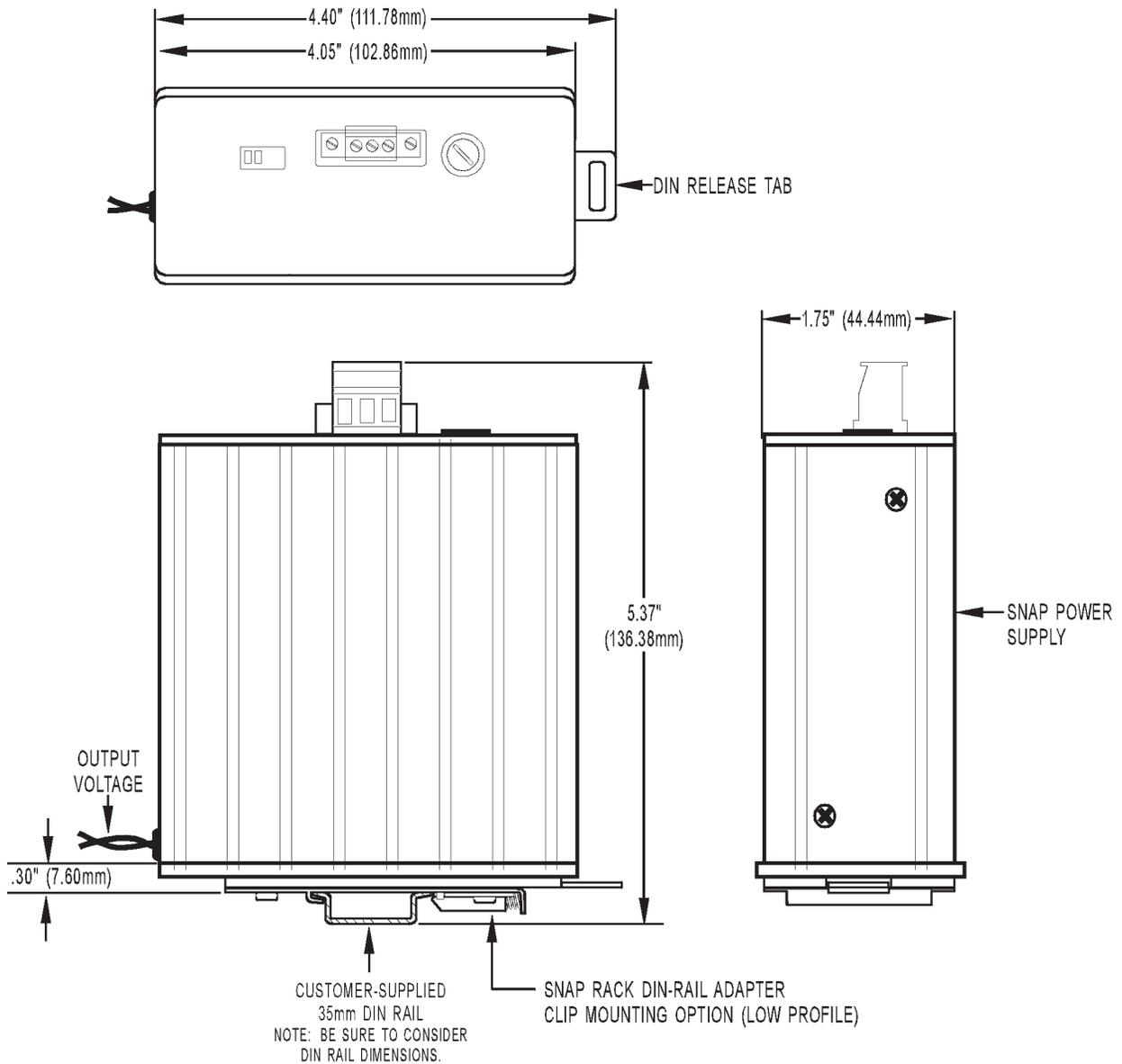
DIN-RAIL ADAPTER ASSEMBLY (OPTIONAL)

2. In place of the panel mounting base plate, use the four screws removed in step 1 to fasten the DIN-rail adapter to the power supply.
3. Using the DIN release tab, mount the SNAP-PS24 on the DIN-rail (as near as possible to the rack and brain board assembly).

Dimensions SNAP POWER SUPPLY - PANEL MOUNT



Dimensions SNAP POWER SUPPLY WITH DIN-RAIL ADAPTER



Dimensions SNAP DIN-RAIL ADAPTER (SNAP-PSDIN)

