# OPTO 22 DATA SHEET

#### Form 953-010126

## **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 panelmounting base or may be mounted using the optional DIN-rail adapter (SNAP-PSDIN).

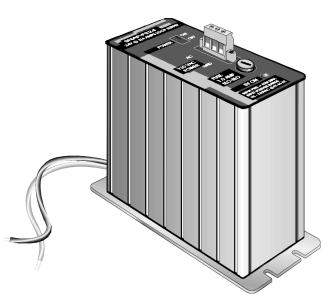
The SNAP-PS24's AC power connections are made to a removable terminal strip on top of the power supply. The DC output power is ready to be hooked up using the attached wiring harness.

# SNAP POWER SUPPLY

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

#### **SNAP POWER SUPPLY - PANEL MOUNT**



## **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)		

## **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



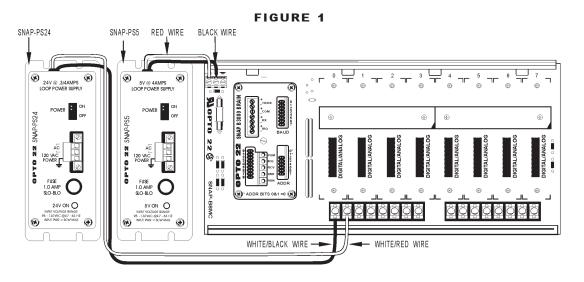
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## Installation

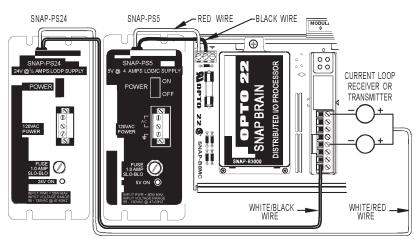
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## **MOUNTING AND WIRING**

- 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.
- 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 2



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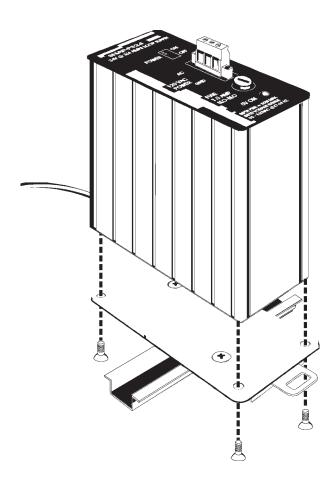
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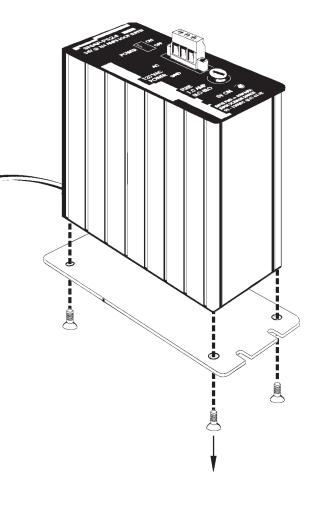
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## Installation

### **DIN-RAIL MOUNTING (OPTIONAL)**

 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.





- 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).

#### DIN-RAIL ADAPTER ASSEMBLY (OPTIONAL)

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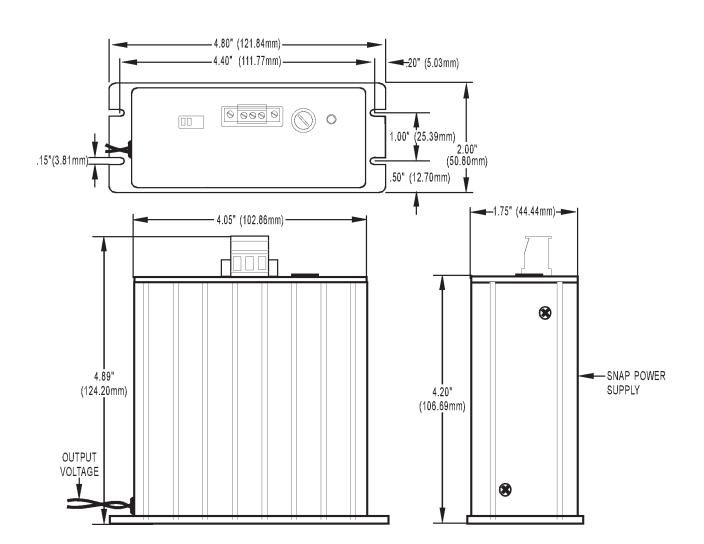
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**OPTO 22** DATA SHEET

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Dimensions SNAP POWER SUPPLY - PANEL MOUNT



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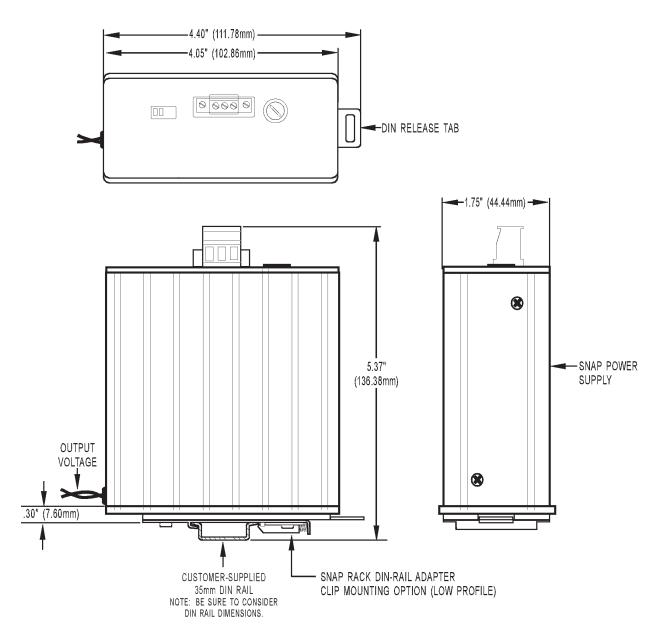
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OPTO 22 DATA SHEET

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**Dimensions SNAP POWER SUPPLY WITH DIN-RAIL ADAPTER** 



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# **OPTO 22**

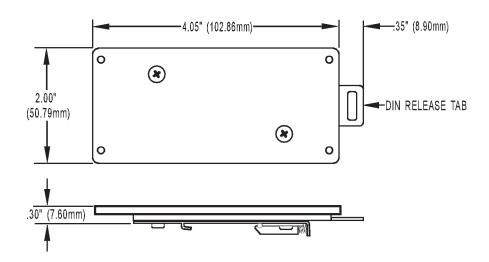
SNAP POWER SUPPLY

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DATA SHEET

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Dimensions SNAP DIN-RAIL ADAPTER (SNAP-PSDIN)



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