

## PS-200 TS2 Cabinet Power Supply

This small, but effective power supply can be used for powering load switches, Bus Interface Units (BIU), and/or TS2 detector racks.

### Description

The PS-200 Cabinet Power Supply is a shelf mounted unit which supplies regulated DC power, unregulated AC power, and a line frequency reference for the Detector Rack, BIUs, load switches, and other auxiliary equipment. The PS-200 meets all requirements of the NEMA TS2-2003 Standard.

All TS-2 Type 1 cabinet assemblies require the use of this unit as well as any TS-2 Type 2 cabinet assemblies that utilize Bus Interface Units (BIU).

Each PS-200 Cabinet Power Supply is put through a rigorous quality program and tested under the extreme environmental conditions experienced on the street.

### Display Indicators

A separate LED indicator is provided to display output status and fuse integrity for the three supply outputs. The Line Frequency Reference LED indicator pulses to show 60 Hz activity.

### Test Points

Individual test jacks are provided for the +12 VDC output, +24 VDC output, and Logic Ground reference.

### Output Protection

The +12 VDC, +24VDC, and 12 VAC outputs are fused for over-current protection. Each output is protected against voltage transients by a 1500 Watt suppressor.



### Dimensions

The PS-200 measures 5.3 inches high x 4.0 inches wide x 8.3 inches deep.

### Input / Output Pins

Pin	Function
A	AC Neutral
B	Line Frequency Reference Output
C	AC Line Input
D	+12 VDC Output
E	+24 VDC Output
F	Reserved
G	Logic Ground
H	Earth Ground
I	12 VAC Output
J	Reserved

### Features

The PS-200 provides four outputs rated over the full -30°F to 165°F (-34°C to +74°C) NEMA operating temperature range:

- +12 VDC rated at 2 Amps
- +24 VDC rated at 2 Amps
- 12 VAC rated at 0.25 Amps
- 60 Hz Line Frequency Reference rated at 50 mAmps
- Input Voltage Operating Range is 89 VAC to 135 VAC at 60 Hz