PS-250 TS2 Cabinet Power Supply

▹ ▹The PS-250 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.

About the PS-250

The PS-250 cabinet power supply is a shelfmounted 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-250 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-250 cabinet power supply is put through a rigorous quality program and tested under the extreme environmental conditions experienced on the street.

At A Glance

- The PS-250 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 5 Amps
  - +24 VDC rated at 5 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

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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.

Input / Output Pins

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

Basic Functions

The PS-200 provides four outputs rated over the full -30oF 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

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.

Test Points

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

Basic Specifications

- Dimensions
  - 6″ H x 4″ W x 8.4″ D

5755 Mark Dabling Avenue, Colorado Springs, CO 80919 · 714-630-3700 · sales@safetran-traffic.com · www.safetran-traffic.com