

Traffic Cabinet Components and Accessories

About the PS 250

What, exactly, is a PS 250?

Econolite's PS Series of power supply units supplies regulated DC power, and unregulated AC power, and a line frequency reference for the detector rack, BIUs, load switches, and other auxiliary equipment. The PS Series meets all requirements and NEMA standards. All TS-2 Type 1 cabinets and TS-2 Type 2 cabinets that utilize a BIU require a PS unit.

About the PS-250

The PS-250 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-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.





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

