

Traffic Cabinet Components and Accessories

PS-250 TS2 Power Supply

Econolite's PS Series of power supply units supplies regulated DC power, unregulated AC power, and a line frequency reference for the detector rack, Bus Interface Units (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.

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 (BIUs).

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

Key Features

- TS2-compliant
- Upgraded output, 24VDC at three amps, 12VDC at five amps, 12 VAC at 0.25 amps
- Easy access voltage test points





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-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 3 amps
- 12 VAC rated at 0.25 amps
- 60 hz line frequency reference rated at 50 milliamps
- Input voltage operating range is 89 vac to 135 vac at 60 hz

Basic Specifications

■ Dimensions

- 6 in. H x 4 in. W x 8.4 in. D

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.

