

# Traffic Cabinet Components and Accesories

## About the PS 250 RM

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### What, exactly, is a PS 250 RM?

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 RM

The PS-250-RM cabinet power supply is a rack 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-RM meets all requirements of the NEMA TS2-2003 standard.

Each PS-250-RM 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 -30°F to 165°F (-34°C to +74°C) NEMA operating temperature range:

- +12 VDC rated at 5 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

