What, exactly, is a PS 200?

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-200

The PS-200 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-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.

### Input / Output Pins

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<thead>
<tr>
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<th>Description</th>
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<tbody>
<tr>
<td>A</td>
<td>AC Neutral</td>
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<tr>
<td>B</td>
<td>Line Frequency Reference Output</td>
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<tr>
<td>C</td>
<td>AC Line Input</td>
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<tr>
<td>D</td>
<td>+12 VDC Output</td>
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<tr>
<td>E</td>
<td>+24 VDC Output</td>
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<tr>
<td>F</td>
<td>Reserved</td>
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<td>G</td>
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<td>H</td>
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<tr>
<td>I</td>
<td>12 VAC Output</td>
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<tr>
<td>J</td>
<td>Reserved</td>
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### 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 5.8” W x 8.3” D