



# PS200-225

## NEMA TS-2 CABINET POWER SUPPLY

The PS200 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-200 meets all requirements of the NEMA TS2-2016 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 EDI PS-200 Cabinet Power Supply is put through a rigorous three part Total Quality Assurance program and tested under the extreme environmental conditions experienced on the street. It is this commitment to quality and performance that EDI products are known for, providing years of trouble free operation.

### PS200-225 OPERATIONAL FEATURES

**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 2 Amps
- +24 VDC rated at 2 Amps
- 12 VAC rated at 0.25 Amps
- 50 Hz Line Frequency Reference rated at 50 mAmps
- Input Voltage Range is 178 Vac to 270 Vac at 50 Hz

**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 50 Hz activity.

**Input / Output Pins:**

| Pin | Function                        |
|-----|---------------------------------|
| 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                        |

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

**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.

**Dimensions:** 5.3" High x 4.0" Wide x 8.3" Deep

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