

NEMA TS-2 Cabinet Power Supply

The Oriux NEMA TS-2 Cabinet Power Supply is a shelf mounted unit that provides all regulated DC and AC voltages for all Bus Interface Units (BIU), load switches, and detectors for a TS-2 Type 1 cabinet assembly. Other auxiliary equipment, requiring the same voltages, that may be present within the terminal facilities can also be operated from the cabinet power supply.

The power supply is a requirement of the TS-2 standard for all Type 1 cabinets. Its primary function is to provide the 12 VDC, 24 VDC, 12 VAC outputs and line frequency reference within the TS2 cabinets.

The construction and design of the unit facilitates ease of access to all major components. The chassis is constructed of anodized aluminum that is finished with an attractive and durable red coating.

The flexibility of the Oriux cabinet power supply allows for cabinet expansion, enhances reliability and provides a superior power supply interface with Oriux or other manufacturers' TS-2 cabinets.



Features & Benefits

- TS-2 cabinet power supply
- Regulated 12 VDC and 24 VDC voltages rated at 2.0 Amps
- 12 VAC voltage with 0.25 Amp current capability
- 60 Hz line frequency reference output
- Each voltage output fused and has own LED indicator
- Front panel test points
- Shelf mounted for modularity and interchangeability
- Compliant with NEMA TS-2-2016

Specifications

ELECTRICAL OUTPUTS: Four outputs listed below meet the electrical requirements as referenced in Section 5.3.5.3 of the NEMA TS-2-2016 Standard.

- 12 VDC rated at 2 Amps
- 24 VDC rated at 2 Amps
- 12 VAC rated at 250 Amps
- 60 Hz Timing Reference

POWER SUPPLY INPUTS AND OUTPUTS:

The power supply connector located on the front panel has a metallic shell which is connected to the chassis ground and mates with an MS3106-18-1SW cable connector or equivalent.

PIN ASSIGNMENTS:

| Pin | Function |
|-----|--------------------------|
| A | AC Neutral |
| B | Line Frequency Reference |
| C | AC Line |
| D | +12 VDC |
| E | +24 VDC |
| F | Reserved |
| G | Logic Ground |
| H | Earth Ground |
| I | 12 VAC |
| J | Reserved |

Over current protection is provided on the front panel for the AC line power and all output voltages along with LED indicators to indicate the presence of voltage.

| | |
|---------------------|---|
| Test Points | Test points are provided for all output voltages |
| Dimensions | 5.125"H × 6.7"W × 7.8"D (130mm × 170mm × 196mm) |
| Temperature | -40°F to +176°F (-40°C to +80°C) |
| Range Weight | 2.5 pounds (1 . 1 3 kg) |
| Power | 89 to 135 VAC, (standard) or 180 to 265 VAC (220 variant) |

Ordering Information

| Description | Catalog Information |
|---------------------------|---------------------|
| Cabinet Power Supply 110V | 82-1894-01 110V |
| Cabinet Power Supply 220V | 82-1894-02 220V |