

SPPT-240AD/480AD

Heavy Duty-Local Panel-3
Phase Delta

AC Power Surge
Arrestor/Filter



Features:

- ▶ The SPPT-240AD/480AD Series is a heavy duty three Phase Delta Surge Suppressor, ideal for branch and local power panels.
- ▶ Low profile wall mount package allows quick and simple installation adjacent to the local service panel or equipment.
- ▶ Powerful, high speed transient energy absorption capability exceeding ANSI/IEEE C62.41-1991 Category C3, and IEC/EN 61000-4-5 level 4 recommendations
- ▶ Thermal cut out protection ensures fail safe (open) and prevents any safety hazard during sustained over-voltages.
- ▶ Long life bright LED's provide continuous indication of power and protection.
- ▶ EMI/RFI filtering and suppression, both common and normal mode, provide the most effective suppression.
- ▶ Sub nanosecond response time stops failures due to lightning induced transients, spikes, and over voltage surges on local service panel power lines servicing electronic equipment, while minimizing other electrical noise.
- ▶ Lightning rated internal fuses provide protection for each phase circuit in a fail safe design.
- ▶ Hermetically sealed package for the most severe environments.
- ▶ Automatically resets after each transient. No maintenance is required.

Applications:

Both the SPPT-240AD and SPPT-480AD models are designed to intercept the incoming power service at a branch or sub-panel.

The SPPT-240AD is used in 240 Volt, 3 phase Delta, 50/60 Hz service.

The SPPT-480AD is used in 480 Volt, 3 phase Delta, 50/60 Hz service.

The SPPT-240AD and SPPT-480AD models are commonly used in Local Service Panels servicing a building sector where sensitive electronic equipment is located, remote control stations, small business, main power entry, communications or control equipment houses.

Typical Installation:

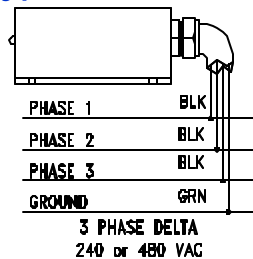
A qualified electrician should complete the installation in the Local Service Panel per local codes. Wall mount the SPPT-240AD or SPPT-480AD to the service panel in a convenient location. Flexible or rigid conduit should be installed to route the wires into the panel. Connect the Phase, Neutral, and Ground wires after the electrical breakers or power controls. A detailed installation guide is included with each order.

SPPT-240AD/480AD Operating Specifications:

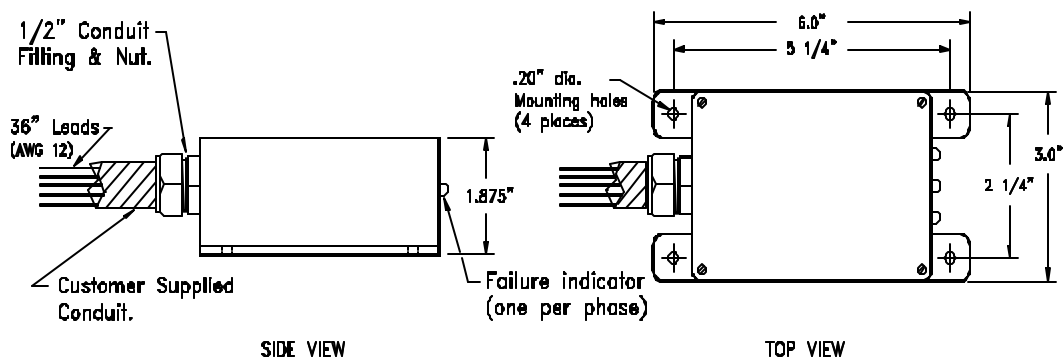
| Specifications | SPPT-240AD | SPPT-480AD |
|---|--------------------------|--------------------------|
| Operating Voltage Rating | 240 VAC 3 Phase Delta | 480 VAC 3 Phase Delta |
| MCOV (Max. Continuous Operating Voltage) VAC | 320 | 575 |
| Maximum Clamping Voltage (L-L) at 100 Amps | 840 | 1568 |
| Maximum Clamping Voltage (L-G) at 100 Amps | 840 | 1568 |
| Maximum Transient Voltage* | 20 kV | 20 kV |
| Maximum Transient Current/Phase* | 30 kA | 30 kA |
| Energy Rating ** (Joules) | 1146 | 1530 |

- Waveforms: *1.2 x 50 μ Sec source voltage, 8 x 20 μ Sec source current, **10/1000 μ Sec
- Line Current Rating : Shunt Type—Not Limited in Service Applications
- Operating & Storage Temperature: -40 °C to +65 °C. All specifications at 25 degrees Celsius
- Design Life: Greater than ten (10) years

Typical Installation:



Outline Dimensions:



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