Introduction
Since 1980, Eaton’s Innovative Technology has provided Surge Protective Devices (SPDs) to power quality equipment users around the world. Whatever your electrical surge protection need may be, Eaton’s Innovative Technology has a Surge Protective Device to fill it!

General Features
- Peak Surge Current — 80 kA per phase; 40 kA per mode
- Description — Series wired, terminal strip connected, Multi-stage hybrid Active Tracking Network (ATN®) sine wave tracking surge protective device with remote alarm capability and 2 pair (RJ14) telecommunication circuit protection
- Warranty — Ten-Year Free Replacement
- Unit Listings — Recognized components under UL® 1449 Second Edition, UL 1283, Telecommunications circuit UL 497A, CSA®
- Manufacturer Qualifications — ISO® 9001:1994 Quality System Certification BSI FM 30833

Mechanical and Electrical Features
- Enclosure — ABS Plastic UL94-5VA
- Connection — Wire clamping box terminals on 30 Amp models; Stud-lugs on 60 Amp models
- Weight — ~2 lb (9 kg); 60 Amp models ~3 lb (1.5 kg)
- Operating Temperature — -40°F (-40°C) to +140°F (+60°C)
- Application — Dedicated 120 or 250 Vrms single-phase ac power circuits operating at ≤30 Amps or ≤60 Amps, feeding variable frequency drives, process controllers, PLCs, power supplies, microprocessor-based loads, CNCs and a wide variety of other mission-critical and general-purpose loads
- Protection Modes — All mode: L-N (normal mode), L-G, N-G (common mode)
- Input Power Frequency — 47 – 64 Hz (ac)
- Response Time — ac – Active <1 nanosecond

Maximum EMI/RFI Attenuation — Mil-Std-220

<table>
<thead>
<tr>
<th>1 kHz</th>
<th>10 kHz</th>
<th>100 kHz</th>
<th>1 MHz</th>
<th>10 MHz</th>
<th>Maximum Attenuation Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.0 dB</td>
<td>21 dB</td>
<td>38 dB</td>
<td>36 dB</td>
<td>15 dB</td>
<td>47 dB @ 16 MHz</td>
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</tbody>
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- Maximum Continuous Operating Current — 30 Amps or 0 Amps
- Diagnostics — ac only, Form C (NO, NC) Dry Relay (Volt Free) contacts rated at 1 Amp @ 30 Vdc, .5 Amp @ 125 Vac
- Circuit Interrupt — Reference installation instructions for details

Telecom Specifications
- Application — Modular jacks are: RJ11 (1 pair) or RJ14 (2 pair) Compatible with standard voice grade lines including ISDN
- Protection Modes — All mode: Normal/Transverse – tip to ring, Common/Longitudinal – tip to ring and ring to ground
- Frequency Range — 0 – 16 MHz
- Data Rate — ≤1.6 Mbps
- Continuous Current Maximum — 100 mA
- Response Time — ≤1 nanosecond
- EMI/RFI Attenuation — 3 dB point 17 MHz, max attenuation 39 dB @ 38 MHz
- Maximum Continuous Operating Voltage — 127 Vrms tip to ring, tip and ring to ground
- Series Resistance — ~10 ohms
- UL Listing — UL 497A
- Pairs Protected — (1-4) (203)