

BPT SERIES

Transient Voltage Surge Suppression for ...
Main, Branch and Local Panels

The **BPT Series** is a Transient Protection System that provides heavy-duty surge protection and filtering for industrial and commercial sites against the harmful affects of transient energies induced on AC power lines.

The BPT's unique construction allows it to deliver low clamping voltages while safely handling large surge currents. Configured for parallel installation, units install quickly and easily and require very little maintenance while in service. All models have a 25kA rms symmetrical fault current rating and are suitable for service panel applications exceeding 400 Amps.

On-board diagnostics include a front panel display equipped with LED indicators that continuously monitor the operational status of the entire unit. An audio alarm is standard with switch positions for test, able and enable. A set of NO/NC dry contacts, as an interface for remote monitoring, is also standard. A Surge Counter and a Remote Monitor are available options.

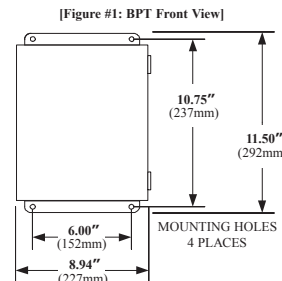
PRODUCT FEATURES

- UL 1449, 2nd Edition, Listed*
- Solid State MOV (40mm) Components*
- Patented Integrated Thermal Overload Protection*
- Low Impedance Construction Provides Low Clamping*
- Fault Current Rating: 25kA rms symmetrical*
- Optional Filtering Listed to UL 1283, 3rd Edition*
- Comprehensive Front Panel Diagnostics with LED Indicators and Audio Alarm*
- Form C (NO/NC) Dry Contacts Standard*
- Available Surge Counter Option*
- Available Remote Monitor Option*
- Rugged NEMA 12 Enclosure*
- Fast Economical Parallel Installation*
- Comprehensive 5 Year Warranty*
- Shipping Weight=12lbs*

Specification Sheet

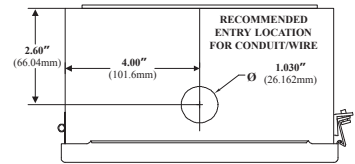


MOUNTING INFORMATION



After determining a position to mount the device, that will minimize the length of connecting wires, drill a hole in the enclosure for the conduit to run wires from the distribution panel to the connecting lugs inside the SPD. Installation is simplified if the wires enter the enclosure at the top (see figure #2) of the enclosure. Securely mount the TVSS unit using 1/4-20 bolts in the four (4) mounting holes provided in the enclosure's mounting flanges.

CONSTRUCTION
 14 gauge steel with continuous hinge
 UL 50 Type 12 & Type 13
 NEMA/EEEMAC Type 12 & Type 13
 JIC standard EGP-1-1967
 CSA Type 12. IEC 529, IP65



PERFORMANCE

- Maximum Surge Current (8/20us waveform): 80kA, 160kA or 240kA per phase (based on specific model number)**
- Operating Frequency: 47/63Hz**
- Optional Filtering: -50dB @ 100KHz (MIL-STD-220A)**
- Operating Temperature Range: -40⁰ to +85⁰ C**
- Operating Humidity Range: 0 to 95% (non-condensing)**

Ordering Information:

MODEL NUMBER	SERVICE VOLTAGE	MCOV	CLAMP VOLTAGE RATINGS Per UL 1449 2nd Edition			
			L-N	L-G	N-G	L-L
BPTXXX/120-10-O	120 volt Single \bar{y}	150Vac	400V	400V	700V	N/A
BPTXXX/240-10-O	240 Volt Single \bar{y}	320Vac	800V	800V	1500V	N/A
BPTXXX/120-SP-O	120/240 Volt Split \bar{y}	150Vac	400V	400V	700V	800V
BPTXXX/120-3W-O	120/208 Volt 3 \bar{y} Wye	150Vac	400V	400V	700V	800V
BPTXXX/120-HL-O	120/240 Volt 3 \bar{y} Delta	150/320Vac	400/800V	400/800V	700V	1500V
BPTXXX/240-3D-O	240 Volt 3 \bar{y} Delta	320Vac	N/A	800V	N/A	1500V
BPTXXX/220-3W-O	220/380 Volt 3 \bar{y} Wye	320Vac	800V	800V	1500V	1500V
BPTXXX/230-3W-O	230/400 Volt 3 \bar{y} Wye	320Vac	800V	800V	1500V	1500V
BPTXXX/240-3W-O	240/415 Volt 3 \bar{y} Wye	320Vac	800V	800V	1500V	1500V
BPTXXX/277-3W-O	277/480 Volt 3 \bar{y} Wye	320Vac	800V	800V	1500V	1500V
BPTXXX/480-3D-O	480 Volt 3 \bar{y} Delta	550Vac	N/A	1500V	N/A	2500V

- NOTES:**
1. Replace XXX with desired kA rating, per phase: 080 for 80kA, 160 for 160kA or 240 for 240kA.
 2. Replace O with F at the end of the part number if filtering is required.
 3. Place a /SC at the end of the part number for the Surge Counter option.



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