

M-Ti BPT Series

Commercial/Industrial Surge Protection Devices



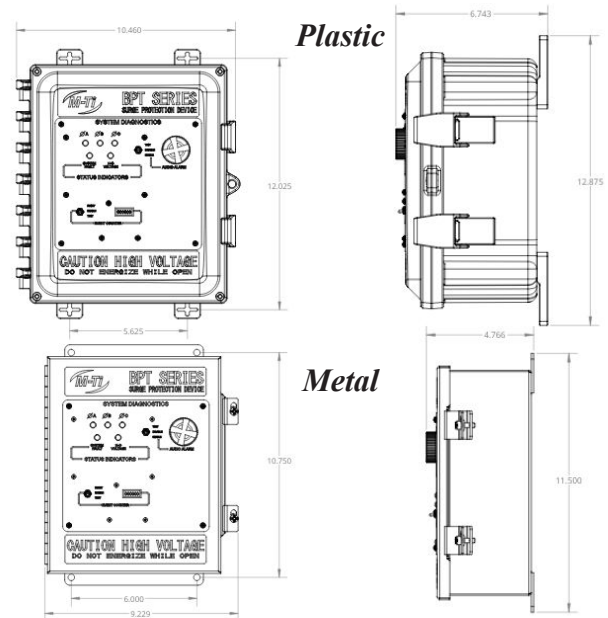
The BPT Series is a **Transient Protection System** that provides heavy-duty surge protection and filtering for industrial and commercial sites against the harmful effects of transient energies induced on AC power lines. The BPT's unique construction allows it to deliver low clamping voltages while **safely handling large surge currents**. Configured for parallel installation, units install quickly and easily. All models are suitable for **Type 1** or **Type 2** service applications.

On-board diagnostics include a panel display equipped with LED indicators that continuously monitor the operational **status of the entire unit**. An **Audible Alarm** is standard with switch positions for test, disable and enable. A **Surge Counter** and a set of NO/NC dry contacts are also standard. A Remote Monitor and/or Filter are available as options.

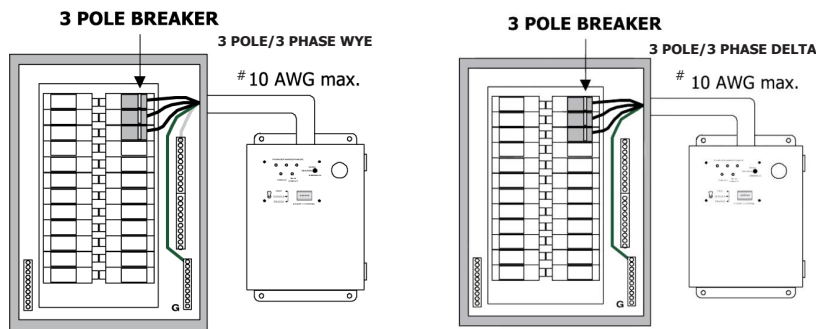
Weather Resistant models available in a NEMA 4X housing with internal diagnostics for harsh environments. In order to maintain water resistance integrity; the Audio Alarm and Surge Counter features are not offered on models requiring 4X enclosures. NEMA 3R enclosure is standard unless otherwise specified.

Product Specifications	
Max Surge Current	100/200kA per Phase dependent upon model
Short Circuit Current	100kA RMS Symmetrical Amps
Housing Rating	NEMA 3R, 4, 4X & NEMA 12
Diagnostics	LED, Audible Alarm, Surge Counter
Safety Standards (Type 1 SPD)	ANSI/UL 1449 (most current)
I_n (nominal discharge current)	10/20 kA
Fusing	Coordinated Surge & Thermal
Operating Frequency	50/60 Hz
Filtering	Optional - contact factory for specs

Dimensions (Diagrams not drawn to scale)



Typical Installations



Models Numbers & Service Voltages			VPR			
Model Number	Service Voltage	MCOV	L - N	L - G	N - G	L - L
BPTXXX/120-10-#-1	120 Volt Single Ø	150Vac	600V	600V	700V	N/A
BPTXXX/120-SP-#-1	120/240 Volt Split Ø	150Vac	600V	600V	700V	1200V
BPTXXX/120-3W-#-1	120/208 Volt 3Ø Wye	150Vac	600V	600V	700V	1200V
BPTXXX/120-3H-#-1	120/240 Volt 3Ø HL Delta	150/320Vac	600/1000V	600/1000V	700V	1200/1500V
BPTXXX/240-3D-0-1	240 Volt, 3Ø Delta	320Vac	N/A	1000V	N/A	1200V
BPTXXX/220-3W-#-1	220/380 Volt, 3Ø Wye	320Vac	1000V	1000V	1000V	2000V
BPTXXX/230-3W-#-1	230/400 Volt, 3Ø Wye	320Vac	1000V	1000V	1000V	2000V
BPTXXX/240-3W-#-1	240/415 Volt, 3Ø Wye	320Vac	1000V	1000V	1000V	2000V
BPTXXX/277-3W-#-1	277/480 Volt, 3Ø Wye	320Vac	1000V	1000V	1000V	2000V
BPTXXX/480-3D-0-1	480 Volt, 3Ø Delta	520Vac	N/A	1800V	N/A	4000V

1. Replace XXX with: desired kA rating per phase: 100 for 100kA or 200 for 200kA
2. Replace # with: F if filtering is required (option available on WYE models only).
3. Add: /RM at the end of the Model Number for the Remote Monitoring option.

4. ENCLOSURE HOUSING OPTIONS: Add /POL to the end of the Model Number for NEMA 4X NonMetallic or /SS for NEMA 4 Stainless Steel or /WP for Weatherproof.

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