

TST Series

Commercial & Light Industrial Surge Protection Devices

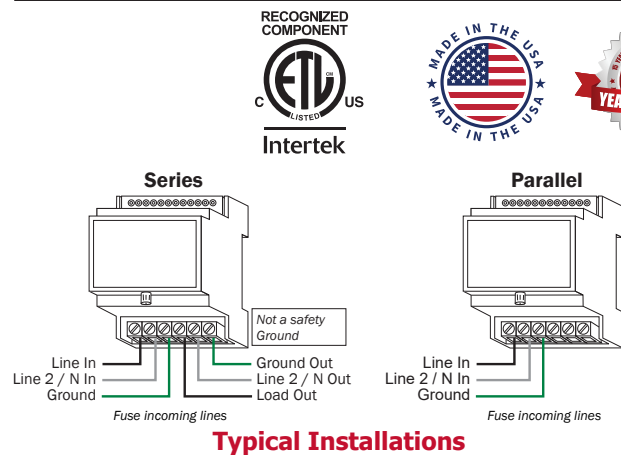
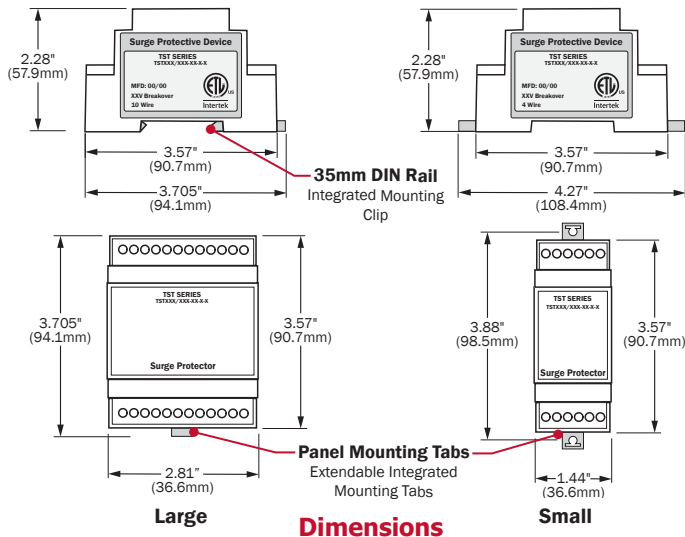


The **TST Series** of SPDs (surge protection devices) are designed to **protect sensitive electronic equipment** from the harmful effects of transients.

Models are configured for both parallel or series installation and can be either din rail or wall mounted. Units are rated as **Type 2 SPDs component assembly** making the TST Series the ideal choice for incorporation into control cabinets for sensitive microelectronic based equipment.

TST units are self-contained in rugged plastic enclosures and use twenty millimeter (**20mm**) **MOVs** as their key suppression elements. Units are not line load sensitive and interface with the incoming power cables via screw terminals (barrier strips):

- Small Terminals are capable of handling #12 to #30 AWG Wire.
- Large Terminals are capable of handling #6 to #20 AWG Wire.



Product Specifications

Load Current	3-15A, 20-30A	Fusing	Surge/ Thermal
Max Surge Current (8/20) I_{max}	10 - 40 kA per Phase (see models)	Enclosure	Polycarbonate
Short-Circuit Current Rating (SCCR)	5 kA Symmetrical w/ external breaker, 100 kA Symmetrical w/external T Fuse	Response Time	< 1 Nanosecond
Repetitive Impulse Rating (I_n)	3 kA	Listings & Certifications	ANSI/UL 94 V-0
On/Off Status ♦	LED	Warranty	15 Year Limited Product Warranty
Housing Rating	[See EDR Series]	Connector Method	Hardwired
Product Weight	16 Ounces	Mounting	35mm DIN or panel mount via 2 integrated tabs that accept up to #6 sized screws
Most Current Industry Standards	ANSI/UL 1449, 1283, CSA 22.2	Relative Humidity	95% noncondensing
Connector Form/ Type	Terminal Strip Screw	Wire Range	Small Terminals: #30-#12 AWG Large Terminals: #6-#20 AWG
Surge Technology	MOV	Remote Alarm Contacts	NO/NC/C, Isolated Form C
Operating Temperature	-40 °F to +185 °F (-40 °C to + 85 °C)	Remote Alarm Wire Size	#14-#26 AWG
Operating Frequency	47-63 Hz (50/60 Hz Typ.)		

♦ If light is out, unit must be serviced

Model Number	Service Voltage	Case Size	VPR			
			L-N	L-G	N-G	L-L
TST020/120-10-0-1/15A	120Vac	Small	600	600	600	—
TST020/120-10-0-1/30A	120Vac	Small	600	600	600	—
TST020/250-10-0-1/30A	250Vac	Small	1000	1000	1000	—
TST040/120-10-0-1/15A	120Vac	Large	500	500	600	—
TST040/120-10-0-1/30A	120Vac	Large	500	500	600	—
TST040/220-10-0-1/15A	220Vac	Large	800	800	800	—
TST040/220-10-0-1/30A	220Vac	Large	800	800	800	—
TST040/250-10-0-1/15A	250Vac	Large	800	800	800	—
TST040/250-10-0-1/30A	250Vac	Large	800	800	800	—
TST010/024-2P-0-1/15A	24Vdc/Vac (Positive, Negative, Gnd.)	Small	200	200	—	200
TST020/024-2P-0-1/30A	24Vdc/Vac (Positive, Negative, Gnd.)	Large	200	200	—	200
TST010/048-2P-0-1/15A	48Vdc/Vac (Positive, Negative, Gnd.)	Small	200	200	—	200
TST020/048-2P-0-1/30A	48Vdc/Vac (Positive, Negative, Gnd.)	Large	200	200	—	200

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