



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.

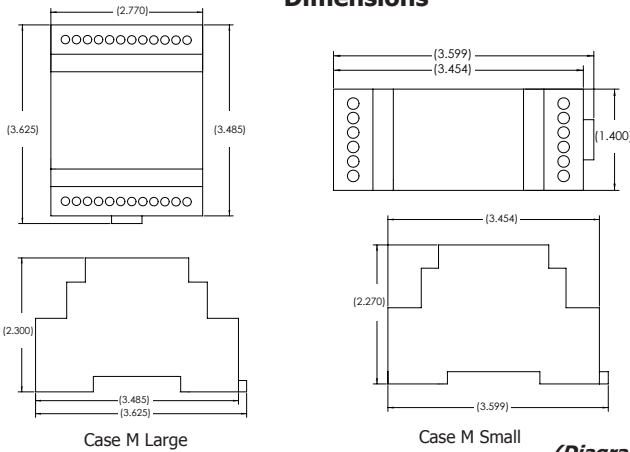
Models are configured for both parallel or series installation and can be either din rail or wall mounted. Units are rated as **Type 2 SPDs component assembly** making the TST Series the ideal choice for incorporation into control cabinets for sensitive microelectronic based equipment.

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):

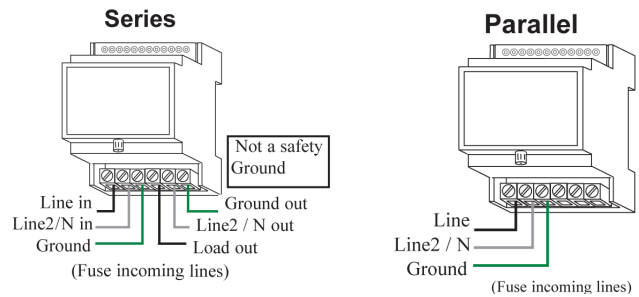
Small Terminals are capable of handling #14 to #30 AWG Wire.
Large Terminals are capable of handling #6 to #20 AWG Wire.



Dimensions



Typical Installations



(Diagrams not drawn to scale)

Product Specifications

| | |
|-----------------------|--------------------------------------|
| I_n | 3kA |
| Max Surge Current | 10 - 40kA/Phase (depending on model) |
| Fusing | Internal (Thermal) |
| Short Circuit Current | 5kA Symmetrical w/external breaker |
| Short Circuit Current | 100kA Symmetrical w/external T Fuse |
| Diagnostics | LED |

Mechanical/Environmental Specifications

| | |
|-------------------------------|---------------------------------|
| Enclosure | Plastic (UL94-VO) Polycarbonate |
| Safety Standards (Type 2 SPD) | ANSI/UL 1449 (most current) |
| Operating Frequency | 50/60 Hz |
| Max. Operatin Temp | -40° to +85° C |

| Model Number | Service Voltage | Current Rating | Surge Rating | Case Size | VPR | | |
|-----------------------|-----------------|----------------|--------------|-----------|-------------|-------------|--------------|
| | | | | | L1 - N | L1 - G | N - G |
| TST020/120-10-0-1/15A | 120 Volts | 15 Amp | 20 kA | Small | 600 | 600 | 600 |
| TST020/250-10-0-1/30A | 250 Volts | 30 Amp | 20 kA | Small | 1000 | 1000 | 1000 |
| TST020/120-10-0-1/30A | 120 Volts | 30 Amp | 20 kA | Small | 600 | 600 | 600 |
| TST040/120-10-0-1/15A | 120 Volts | 15 Amp | 40 kA | Large | 500 | 500 | 600 |
| TST040/220-10-0-1/15A | 250 Volts | 15 Amp | 40 kA | Large | 800 | 800 | 800 |
| TST040/250-10-0-1/15A | 250 Volts | 15 Amp | 40 kA | Large | 800 | 800 | 800 |
| TST040/120-10-0-1/30A | 120 Volts | 30 Amp | 40 kA | Large | 500 | 500 | 600 |
| TST040/220-10-0-1/30A | 250 Volts | 30 Amp | 40 kA | Large | 800 | 800 | 800 |
| TST040/250-10-0-1/30A | 250 Volts | 30 Amp | 40 kA | Large | 800 | 800 | 800 |
| | | | | | L1-N | L2-G | L1-L2 |
| TST010/024-2P-0-1/15A | 24 Volts | 15 Amp | 10 kA | Small | 200 | 200 | 200 |
| TST010/048-2P-0-1/15A | 48 Volts | 15 Amp | 10 kA | Small | 200 | 200 | 200 |
| TST020/024-2P-0-1/30A | 24 Volts | 30 Amp | 20 kA | Large | 200 | 200 | 200 |
| TST020/048-2P-0-1/30A | 48 Volts | 30 Amp | 40 kA | Large | 200 | 200 | 200 |

ATL Listed 120V +

Low Voltage

All product dimensions provided are ± 0.125

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