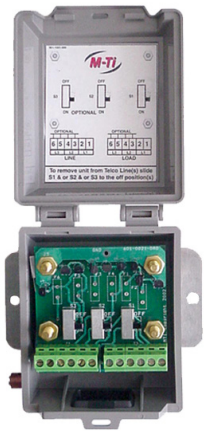
TLT Series

Telephony Lines
Surge Protection Device



Case G

Case B

Case A

The **TLT Series** is a Secondary Transient Voltage Surge Suppression for Telephony line protocols. Units provide protection against Transient Voltages that exceed the nominal operating voltage of Dial-Up, Dedicated/Leased and T1 Lines.

Each line is protected against surge current impulses up to 1.9kA/wire. The **TLT Series** installs in series with the telephone lines to be protected, diverting harmful transient energies to ground while maintaining close clamping thresholds above normal service voltages. Units can be configured for all standard telephony applications by varying circuit components and/or densities.

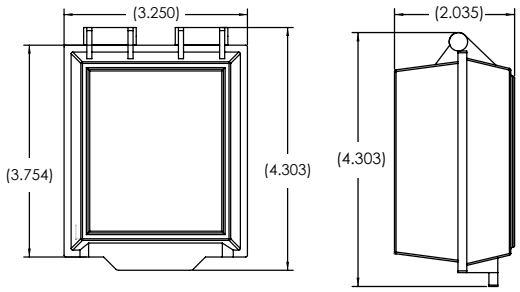
The SG housing for the **TLT Series** is designed for indoor and outdoor installations. All other housings are for indoor use only.

- **Solid state fail-safe design**
- **Low shunt capacitance to reduce signal loss**
- **Performance tested to verify compliance**

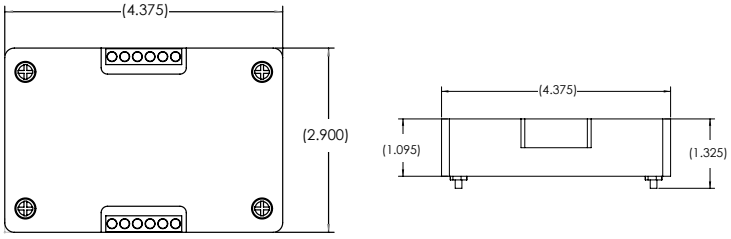
Product Specifications	
Maximum Surge Protected	5 Pairs (10 Wires)
Maximum Operating Voltage	56 - 190 Volts
Response Time	<5 - 15 nanosecond
Clamp Voltage	Between 105 and 270 volts
Enclosure	Indoor (SA & SB) Outdoor (SG)
Maximum Operating Temperature	-40ºC to 85ºC

ETL Listed to UL497A Standard. (Secondary Protection for Telephone Lines)

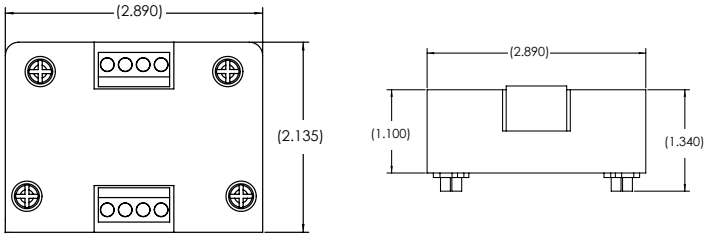
Dimensions
(Diagrams not drawn to scale)



Case G



Case A



Case B

Model Number	Clamp Voltage	Application	Max. Operating Voltage
TLT/SG-XX0-UDUL-ZZ	270 Volts	Dial-up Line	240 Volts
TLT/SG-XX0-UT1L-ZZ	220 Volts	E1/T1	190 Volts
TLT/SG-XX0-ULDL-ZZ	110 Volts	Leased Line	80 Volts
TLT/SA-XX0-UDUL-ZZ	270 Volts	Dial-up Line	240 Volts
TLT/SA-XX0-UT1L-ZZ	220 Volts	E1/T1	190 Volts
TLT/SA-XX0-ULDL-ZZ	110 Volts	Leased Line	80 Volts
TLT/SB-XX0-UDUL-ZZ	270 Volts	Dial-up Line	240 Volts
TLT/SB-XX0-UT1L-ZZ	220 Volts	E1/T1	190 Volts
TLT/SB-XX0-ULDL-ZZ	110 Volts	Leased Line	80 Volts

Replace XX with number of wires to be protected: 02 = 2 wires, 04 = 4 wires, 06 = 6 wires, 08 = 8 wires, 10 = 10 wires.
Replace ZZ with: RJ for Modular Jacks (female to female) - TS for Terminal Strip Screw
Modular Jacks: only 8 wires for case A & B. Case G only 6 wire.

All product dimensions provided are ± 0.125

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