TSC SERIES

The TSC Series of terminal strip electrical transient surge protectors ensures the reliable and continuous operation of networked equipment connected to Token Ring, RS422, RS232, Short Haul Modems/Muxes, DDS, Analog Dial-Up, ISDN, T-1 and most other communication interfaces.

TSCs Deliver:

- State-of-the-art avalanche diode technology
- Compact in-line installation
- High speed, high energy handling capability
- Low shunt capacitance for reduced signal loss

You Receive:

- Today's most cost-effective, most superior equipment protection
- Improved reliability and maximized system uptime
- I/O interface protection
- Adaptability to most industry applications
- Five Year Limited Warranty

Powerful TSC Series devices safeguard sensitive data networks against lightning, induced surges, AC power interference, electrostatic discharge and ground loop energies. Typical applications include data communications and instrumentation interfaces using Token Ring, RS422, RS232, Short Haul Muxes, Modems, CSU/DSU, T-1, PLCs and most other communication interfaces.

When installed on system I/O ports, TSC Series models prevent equipment damage and random system errors commonly resulting from transient surge energies induced onto the communications interface and ground plane.

TSC Series electrical transient surge protectors utilize low capacitance avalanche diode arrays for low loss, high speed protection. Field proven TSC models provide today's most dependable protection for highly sensitive electronic systems. Whether installed to protect a single communication line or an entire installation, TSC Series surge protectors are the most practical, most cost effective solution to overvoltage problems.

Quality Engineered to protect

- LAN
- Data
- Signal
- Instrumentation

interfaces from damage and downtime resulting from common electrical disturbances.

Connector Type	System Application and Model Number						
	10 Base T Ethernet	Token Ring	RS422,RS485, or RS423	RS232 or Digital 4-20 mA Current Loop	ARCNET or Analog 4-20mA Current Loop	CSU/DSU or Non span T-1*	Dial-Up Modem/Fax*
2 Terminal Barrier Strip Figure A	TSC-2B-TT-E	TS-2B-TT-T	TSC-2B-TT-E	TSC-2B-TT-T	TSC-2B-TT-A	TS-2B-TT-B	TSC-2B-TT-G
4 Terminal Barrier Strip Figure A	TSC-4B-TT-E	TSC-4B-TT-T	TSC-4B-TT-E	TSC-4B-TT-T	TSC-4B-TT-A	TSC-4B-TT-B	TSC-4B-TT-G
6 Terminal Barrier Strip Figure B (6 terminals)	TSC-6B-TT-E	TSC-6B-TT-E	TSC-6B-TT-T	TSC-6B-TT-T	TSC-6B-TT-A	TSC-6B-TT-B	—
8 Terminal Barrier Strip Figure B (8 terminals)	TSC-8B-TT-E	TSC-8B-TT-T	TSC-8B-TT-E	TSC-8B-TT-T	TSC-8B-TT-A	TSC-8B-TT-B	—
10 Terminal Barrier Strip Figure B	TSC-10B-TT-E	TSC-10B-TT-T	TSC-10B-TT-E	TSC-10B-TT-E	TSC-10B-TT-A	TSC-10B-TT-B	—
32 Terminal Barrier Strip Not Shown	TSC-32-B-TT-E	TSC-32B-TT-T	TSC-32B-TT-E	TSC-32B-TT-T	TSC-32B-TT-A	TSC-32B-TT-B	—
Token Ring Type B Data Connector Figure C	—	TSP-TR	—	—	—	—	—

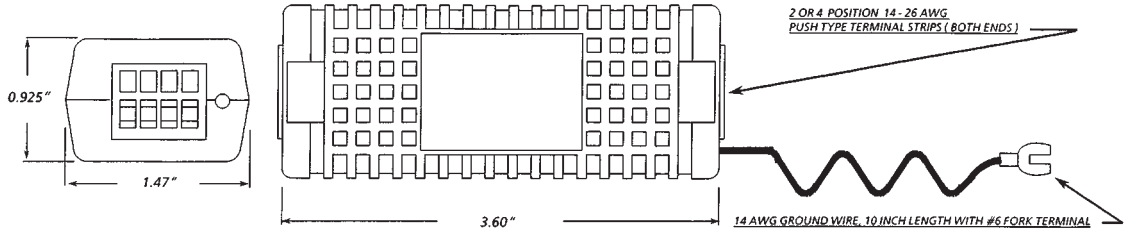

FIGURE A

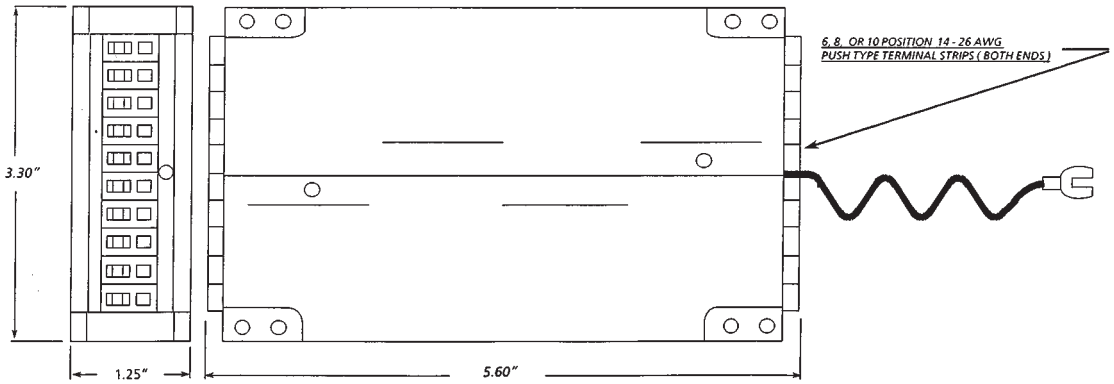

FIGURE B

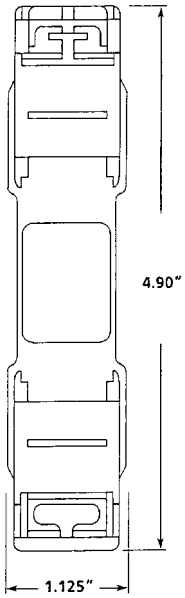

FIGURE C

Electrical Specifications	10 Base T Ethernet	Token Ring	RS422,RS485, or RS423	RS232 or Digital 4-20 mA Current Loop	ARCNET or Analog 4-20mA Current Loop	CSU/DSU or Non span T-1*	Dial-Up Modem/Fax*
Stand. Clamp Voltage	7.5 Volts	18 Volts	7.5 Volts	18 Volts	30 Volts	60 Volts	240 Volts
Peak Pulse Current 8/20(sec s.c. waveform @ Vc1	750 Amps	340 Amps	750 Amps	340 Amps	370 Amps	200 Amps	250 Amps
Response Time	< 10 ns	< 10 ns	< 10 ns	< 10 ns	< 10 ns	< 10 ns	< 10 ns
Maximum Shunt Capacitance	< 40 pF	< 40 pF	< 40 pF	< 40 pF	< 40 pF	< 40 pF	< 40 pF

** Product has been tested and determined to meet or exceed UL specification 497A*

