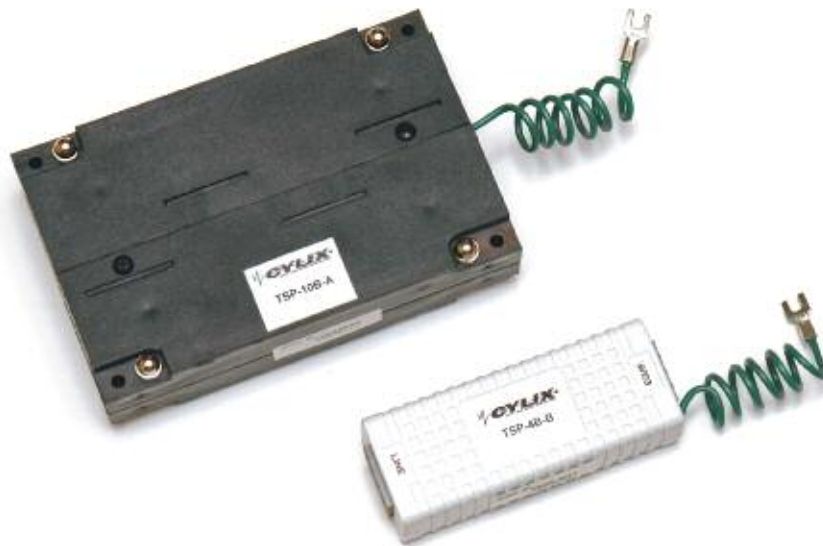




# TSP SERIES

Bare wire surge protection solutions for almost any infrastructure need

- Compact Form Factor
- High Speed, High Energy Handling Capability
- Insures Network Uptime And Integrity
- Ability To Protect Almost Every Device That Sends Data Over Copper



Cylix TSP series protectors are a cost effective solution to overvoltage problems.

Transient surges can enter electronic equipment through any connection, not just the AC power line. Facilities with reliable AC power protectors can still experience surge-related system downtime. Transient surge energies from sources such as nearby lightning strikes, inductive load switching, ground loop currents, and electrostatic discharge are clamped by AC protectors into the shared communication ground, resulting in damage to expensive communication hardware.

Our TSP series of bare-wire surge protectors are ideal for data installations that are not terminated with connectors. The tension-style connectors insure positive connections that are not subject to the thermal effects that plague screw type terminals. The TSP series can protect many common circuits, such as RS-422, RS-232, ISDN, and Analog Telco. They are available in models that can protect anywhere from 2 to 32 wires.

All of these features and more make Cylix TSP series of surge protectors one of the most versatile protection products in the market today.

[www.cylix.com](http://www.cylix.com)



# TSP SERIES

## ELECTRICAL SPECIFICATIONS

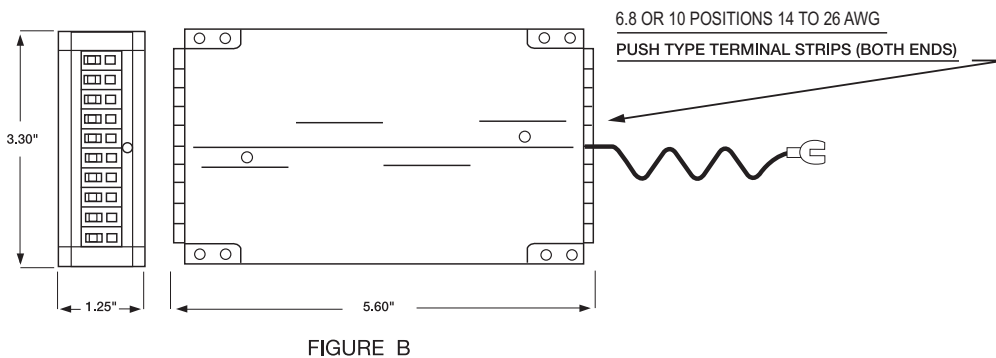
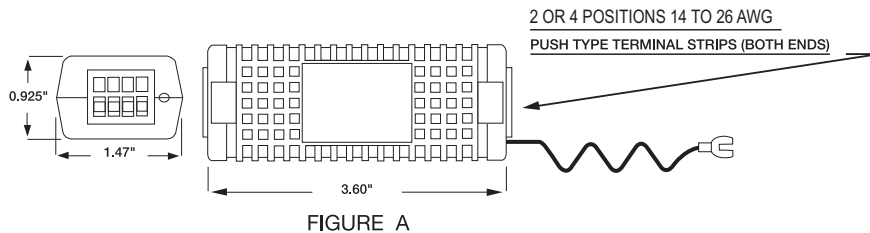
	10BASE T ETHERNET	RS422, RS485, RS423	RS232 or DIGITAL 4-20 mA CURRENT LOOP	ANALOG 4-20 mA CURRENT LOOP	CSU/DSU T1, DDS, ISDN (fused)	DIAL-UP MODEM / FAX (fused)
STD. CLAMP VOLTAGE	7.5 VOLTS	7.5 VOLTS	18 VOLTS	27 VOLTS	60 VOLTS	240 VOLTS
PEAK PULSE CURRENT 10/1000 us s.c. waveform @Vcl	132 AMPS	132 AMPS	60 AMPS	40 AMPS	50 AMPS	75 AMPS
RESPONSE TIME	----- LESS THAN 5 NANoseconds -----					
MAXIMUM SHUNT CAPACITANCE	<40pF	<40pF	<40pF	<40pF	<75pF	<95pF

(Subject to change without notice)

## SYSTEM APPLICATION AND MODEL NUMBER

CONNECTOR TYPE	100BASE T ETHERNET RS422, RS485, RS423	RS232 or DIGITAL 4-20 mA CURRENT LOOP	ANALOG 4-20 mA CURRENT LOOP	CSU/DSU T1, DDS, ISDN (fused)	DIAL-UP/ MODEM / FAX (fused)
2 TERMINAL BARRIER STRIP (FIGURE A)	TSP-2B-E	TSP-2B-T	TSP-2B-A	TSP-2B-B	TSP-2B-G
4 TERMINAL BARRIER STRIP (FIGURE A)	TSP-4B-E	TSP-4B-T	TSP-4B-A	TSP-4B-B	TSP-4B-G
6 TERMINAL BARRIER STRIP (WITH 6 TERMINALS) (FIGURE B)	TSP-6B-E	TSP-6B-T	TSP-6B-A	TSP-6B-B	TSP-6B-G
8 TERMINAL BARRIER STRIP (WITH 8 TERMINALS) (FIGURE B)	TSP-8B-E	TSP-8B-T	TSP-8B-A	TSP-8B-B	TSP-8B-G
10 TERMINAL BARRIER STRIP (FIGURE B)	TSP-10B-E	TSP-10B-T	TSP-10B-A	TSP-10B-B	TSP-10B-G
32 TERMINAL BARRIER STRIP (NOT SHOWN)	TSP-32B-E	TSP-32B-T	TSP-32B-A	TSP-32B-B	TSP-32B-G

(Special Configurations Available)



## Cylix "Circle of Protection" Warranty

The Cylix Corporation offers our "Circle of Protection" Warranty which includes a \$25,000 Connected Equipment Guarantee, 5 Year Replacement Program, and a Limited Lifetime Warranty. For complete warranty information, disclaimers, and exclusions, please visit [www.cylinx.com](http://www.cylinx.com).

All specifications and dimensions are subject to change without notice.  
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