

Telephone Line Surge Suppressor

TLP

TPD Power Filter absorbs, dissipates and removes harmful transient voltages traveling on AC & DC power circuits reducing lockups, glitches and reprogramming issues.

Improve power quality for your sophisticated electronic loads. **Rebooting, reprogramming and replacing processors, circuit boards and components** can be a never-ending battle. **Occasional glitches** in the system are as simple as equipment locking up or turning on and off without user input to **wide spread damage during a severe lightning storm**. **Larger pulses will cause catastrophic failure while smaller pulses degrade the life and reliability of these systems and controls**. **Protecting phone lines entering the home as well as protecting phone lines running between buildings saves money by protecting your systems from lightning**. **It also increases safety by protecting everyone using the phones.**

AV Racks
Network Racks
Automation
Lighting Systems
Landscape Lighting
Building Management
Remote Dialer
Gates



Total Protection Design offers a broad range of surge suppression products to extend the life and reliability of electronic equipment.

SPECIFICATIONS

Maximum Rated Surge Current: 2kA per pair

Applications: All major telephone line protocols including dial-up (POTS), ADSL, HSDL, ISDN, T1/E1, DDS, leased, and dedicated lines.

Design: Multistage hybrid fail-safe design

Warranty: 10-Year Unlimited Free Replacement

Safety Listing: UL Listed 497A as Secondary Telephone Protector

Strength: 2kA per pair

Maximum Data Rate: 16Mbps

Mode of Protection: All modes: tip-ring, tip-ground, & ring-ground

Response Time: < 1 nanosecond

Number of Protected Circuit: 1, 2, 4, 5

Series Resistance: <1 ohm

Dimensions (approx): Two enclosure sizes depending on the number of circuits.

Case A (1, 2, & 4 pair): 2.885"H x 2.130"W x 1.130"D

Case B (5 pair): 4.375"H x 2.885"W x 1.230"D

Case C (25 pair): 13"H x 3"W x 3"D

Enclosure Type: Case A & B High-impact, non-metallic UL 94-5V flame resistant rated.

Connection Method:

Screw terminal connector (1, 2, & 5 pair): #12-22 AWG

Modular Jacks: RJ45 accepts RJ11 (1 Pair), RJ14 (2 Pair) & RJ45 (4 Pair)

Mounting Method: All units come standard with a universal mounting bracket that allows the units to be screw or Din-Rail mounted (horizontally or vertically).

TLP PERFORMANCE SPECIFICATIONS

Model Number	Protection Mode	MCOV (peak)	Pairs (Wires)	Let-Through Volt IEC 10 x 700 μ s Impulse 2kV / 80A
TK-CT2-190TLP1-TB (Terminal Block)	L-L	190V	1 Pair	240V
	L-G	190V	(2 Wire)	240V
TK-CT2-190TLP2-TB (Terminal Block)	L-L	190V	2 Pair	240V
	L-G	190V	(4 Wire)	240V
TK-CT2-PHONE-RJ (RJ45 Female Connectors)	L-L	190V	4 Pair	240V
	L-G	190V	(8 Wire)	240V
TK-CT2-190TLP5-TB (Terminal Block)	L-L	190V	4 Pair	240V
	L-G	190V	(8 Wire)	240V

Specifications subject to change without notice, see web site www.totalprotectiondesign.com or latest revisions.

All voltages are peak values (+10%).

Test environment: static, positive polarity, time base = 1 ms

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Tech Note: For phone line extensions or digital systems with operating voltages lower than 120 volts please see the TPD-SLP series for additional units and options. For incoming phone lines and phone extensions in high exposure areas please refer to the TPD Phone, Cable & Data Application Design for additional information.

Need additional assistance?

Call Technical Support

1-800-604-9980

www.totalprotectiondesign.com

Tech Note: For proper grounding and installation techniques please refer to installation manual.

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