

**SYSTEM FEATURES**



- Provides surge protection against harmful transients traveling on telephone lines.
- Compact footprint allows for installation flexibility
- Lifetime Unlimited Free Replacement Warranty
- Four pair RJ45 connection
- Fail-safe design.
- Install on data lines with a max data rate of 16Mbps.
- UL Listed 497A as Secondary Telephone Protector

**PRODUCT SPECIFICATIONS**

**GENERAL 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:** Lifetime Unlimited Free Replacement (ten year unlimited for commercial applications)  
**Safety Listing:** UL Listed 497A as Secondary Telephone Protector

**TLP PERFORMANCE SPECIFICATIONS**

Model Number	Protection Mode	MCOV (peak)	Pairs (Wires)	Let-Through Volt Impulse IEC 10 x 700 $\mu$ s 2kV / 80A
TK-CT2-190TLP4-RJ-T1/E1 (RJ45 Female Connectors)	L-L	190V	4 Pair	240V
	L-G	190V	(8 Wire)	240V

All voltages are peak values (+10%).  
 Test environment: static, positive polarity, time base = 1 ms  
 Specifications subject to change without notice, see web site [www.tpssurge.com](http://www.tpssurge.com) for latest revisions.

**ELECTRICAL SPECIFICATIONS**

**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:** 4 pair (8 wire)  
**Series Resistance:** <1 ohm

**MECHANICAL SPECIFICATIONS**

**Dimensions (approx):** 6"H x 3"W x 3"D  
**Enclosure Type:** High-impact, non-metallic UL 94-5V flame resistant rated  
**Connection Method:**  
**Modular Jacks:** RJ45 accepts RJ11 (1Pair), RJ14 & RJ45 (2Pair)  
**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).  
**Operating Temperature:** -40° C to 85° C (-40° F to 185° F)  
**Weight:** 0.50 lbs.—0.75 lbs. (0.23 kg—0.34 kg) depending on number of circuits.

