Total Protection Solutions

ComTrack ™ TLP SERIES

SYSTEM FEATURES

- Provides surge protection against harmful transients traveling on telephone lines.
- Compact footprint allows for installation flexibility
- 10-Year Unlimited Free Replacement Warranty

- One, Two, Four & Five pair units.
- 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: 10-Year Unlimited Free Replacement

Safety Listing: UL Listed 497A as Secondary Telephone Protector

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: 1, 2, 4 & 5 pair

Series Resistance: <1 ohm

MECHANICAL SPECIFICATIONS

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

Enclosure Type: 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 (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.

TLP PERFORMANCE SPECIFICATIONS

Model Number	Protection Mode	MCOV (peak)	Pairs (Wires)	Let-Through Volt IEC 10 x 700 µs 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-CT2-190TLP4-RJ-T1/E1-C (RJ45 Female Connectors)	L-L	190V	4 Pair	240V
	L-G	190V	(8 Wire)	240V
TK-CT2-190TLP4-TB (Terminal Block)	L-L	190V	4 Pair	240V
	L-G	190V	(8 Wire)	240V
TK-CT2-190TLP5-TB (Terminal Block)	L-L	190V	5 Pair	240V
	L-G	190V	(10 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 for latest revisions.