

SYSTEM FEATURES



- Provides surge protection against harmful transients traveling on telephone lines.
- Compact footprint allows for installation flexibility
- 10-Year Unlimited Free Replacement Warranty
- Twelve and Twenty Five pair units.
- Modular 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. 12 or 25 Pair Punch Down Block for phone lines transmitting up to 16Mbps.

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: 12 pair (24 wire) or 25 pair (50 wire)

Series Resistance: <1 ohm

MECHANICAL SPECIFICATIONS

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

Case A (12 pair): 6"H x 3"W x 3"D

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

Enclosure Type: 66 Punch Down Block, metal bottom & ABS upper

Connection Method: Standard Punch Down; #12-22 AWG

Mounting Method: Mounting bracket

Operating Temperature: -40°C to 85°C (-40°F to 185°F)

Weight: Case A 1.50 lbs. (0.79kg) - 12 pair units
Case B 3.16 lbs. (1.43kg) - 25 pair units

MDP PERFORMANCE SPECIFICATIONS

Model Number	Protection Mode	MCOV (peak)	Pairs (Wires)	Let-Through Volt IEC 10 x 700 μ s Impulse 2kV / 80A
TK-CT2-190MDP12	L-L	190V	12 Pair	240V
	L-G	190V	(24 Wire)	240V
TK-CT2-190MDP25	L-L	190V	25 Pair	240V
	L-G	190V	(50 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.

