



- Provides surge protection against harmful transient voltages that exceed the nominal operating voltage of coaxial line applications
- Fail-safe design
- Each line is protected against surge current impulses up to 20kA/wire
- UL Listed 497B as Isolated Loop Protector
- Compact footprint allows installation flexibility
- Lifetime Unlimited Free Replacement Warranty *for original purchaser only*

ComTrack CLP

GENERAL SPECIFICATIONS

Maximum Rated Surge Current: 20kA per wire
Applications: CATV and Satellite
Design: Multistage hybrid fail-safe design
Warranty: Lifetime Unlimited Free Replacement *for original purchaser only*
Safety Listing: UL Listed 497B Isolated Loop Protector

ELECTRICAL SPECIFICATIONS

Strength: 20 kA/wire
Mode of Protection: All modes: line-line, line-ground, and shield-ground
Response Time: < 1 nanosecond
Number of Protected Circuits: 1
Series Resistance: < 0.1 ohm
Insertion Loss: < 2.6dB @ 1.2 GHz

MECHANICAL SPECIFICATIONS

Dimensions (approx.): 3.5" L x 1"W
Enclosure Type: Mill finished Aluminum
Connection Method/Per Circuit: F type connectors
Mounting Method: All units come with an attached mounting bracket
Operating Temperature: -40° C to 85° C (-40° F to 185° F)
Weight: 1 lbs. (0.45 kg)

CLP PERFORMANCE SPECIFICATIONS

Model Number	Protection Mode	MCOV (peak)	Maximum Operating Frequency	Max Data Rate	Let-Through Volt IEC 10 x 700 µs Impulse 2kV / 80A
TK-CT-30-CLP1-FSC	L-G Shield-G	65V	1.2 GHz	100Mbps	36V
TK-CT-75-CLP1-FST	L-G Shield-G	65V	2.4 GHz	100Mbps	90V

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

CLP AVAILABLE CONFIGURATION

Model Number	No. of Circuits	Applications	Description
TK-CT-30-CLP1-FSC	1	Satellite/Cable Up to 1.2 GHz	F Connectors w/3 ft. Interface Cable; Female-Female
TK-CT-75-CLP1-FST	1	Satellite Up to 2.4 GHz	F Connectors w/3 ft. Interface Cable; Male-Male



Benefits of the TPS – Total Home Surge Protection Solution™

- **Peace of Mind.** Regardless of what new technology investment you may make in the future, your new home is fitted with high-quality TVSS surge protection on all three (3) external entry points.
- **High Quality “whole house” filter and surge protection.** Professionally installed during the home construction, not retrofitted after damage has occurred.
- **Savings.** A small investment during the home construction phase produces multiple returns on the initial investment by saving repeatedly on equipment repair costs and servicing inconveniences. The Total Home Surge Protection Solution™ will also extend the life of your electric equipment and improve reliability.





Total Home Surge Protection Solution™



- Protects the home and all equipment against the harmful effects of lightning strikes and internally generated electrical transients
- Individually fused MOV's provide superior protection and continuous operation
- Thermal disconnects protect against sustained over-voltage event
- 200kAIC short circuit current rating allows direct bus connection without the need of an upstream over-current protection device
- Includes pre-wired pigtail conductors to stream line installation
- NEMA LS1 compliance – single pulse tested at nationally recognized 3rd party lab
- Low profile design includes an option for a flush-mount plate for in-wall recess panel applications
- UL 1283 Listed standard EMI/RFI filter
- Enhanced Transient Filter (ETF)
- Ultra Compact Footprint – makes installation flexible
- Lifetime Unlimited Free Replacement Warranty for original purchaser only

TransTrack LP

GENERAL SPECIFICATIONS

Maximum Rated Surge Current: 100kA per phase; 50kA per mode
Repetitive Surge Current Rating: 3,250 impulses per mode based on actual test data (using ANSI/IEEE C62.41.1-2002 C3 combo wave)
Application: ANSI/IEEE C62.41 Location C, B & A. Ideal for service entrance panels, branch panels and critical loads.
Design: Hybrid parallel design with individual fused MOV's and UL 1283 listed EMI/RFI filter.
Warranty: Lifetime Unlimited Free Replacement for original purchaser only
Safety Listing: UL 1449 2nd Edition, cUL, UL 1283

ELECTRICAL SPECIFICATIONS

Modes of Protection: Discrete Protection (L-N, L-G, N-G & L-L)
Input Power Frequency: 47-63Hz
Connection Method: Parallel to electrical distribution system
Response Time: Less than 0.5 nanoseconds
Standard Monitoring: Status indicator lights (one per phase)
Short Circuit Current Rating: 200 kAIC – no upstream over-current protection device (breaker or fuse) required.

MECHANICAL SPECIFICATIONS

Dimensions (approx.): 6" H x 6" W x 4" D (160 mm H x 160 mm W x 102 mm D)
Enclosure: Powder coated, impact-resistance steel, weather-proof NEMA 4 (IP56)
Connection: Pre-wired with 36" (915 mm) of #10 AWG (5.26 mm²) conductor
Mounting: Dual mounting flanges. Flush-mounting trim plate (std).
Operating Environment: -40° C to 70° C (-40° F to 160° F) 5% to 95% non-condensing humidity
Weight: 15 lbs. (6.8 kg)

AVAILABLE CONFIGURATIONS

Model Number	Description
TK-TTLP-1S240-FL	120/240VAC, 1ø SPLIT-PHASE, 3-wire + grd

EMI / RFI FILTER ATTENUATION – MIL STANDARD 220B

Max. Attenuation Freq.
41 dB @ 106kHz



- Provides surge protection against harmful transient voltages that exceed the nominal operating voltage of telephone line applications
- Fail-safe design
- Each line is protected against surge current impulse up to 2kA/pair
- UL Listed 497A as Secondary Telephone Protector
- Compact footprint and universal mounting bracket allows installation flexibility
- Lifetime Unlimited Free Replacement Warranty for original purchaser only

ComTrack TLP

GENERAL SPECIFICATIONS

Maximum Rated Surge Current: 2kA per pair
Applications: All major telephone line protocols including dial-up (POTS), ADSL, CDSL, HDSL, ISDN, T1/E1, DDS, leased, and dedicated lines
Design: Multistage hybrid fail-safe design
Warranty: Lifetime Unlimited Free Replacement for original purchaser only
Safety Listing: UL Listed 497A Secondary Telephone Protector

ELECTRICAL SPECIFICATIONS

Strength: 2kA/pair
Mode of Protection: All modes: tip-ring, tip-ground, and ring-ground
Response Time: < 1 nsec
Number of Protected Circuit: 4 pair (8 wire)
Series Resistance: < 1 ohm

MECHANICAL SPECIFICATIONS

Dimensions (approx.): Enclosure size
Case: 2.885"H x 2.130"W x 1.130"D
Enclosure Type: High-impact, non-metallic UL 94-5V flame resistant rated
Connection Method:
Modular Jacks: RJ45 accepts RJ11 (1 pair), RJ14 & RJ45 (2 pair)
Mounting Method: Standard with a universal mounting bracket that allows the unit 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. (0.23kg)

TLP PERFORMANCE SPECIFICATIONS

Model Number	Protection Mode	MCOV (peak)	Maximum Operating Frequency	Max Data Rate	Let-Through Volt IEC 10 x 700 µs Impulse 2kV / 80A
TK-CT-190TLP4-RJ-T1/E1	L-L L-G	190V 190V	80MHz	16Mbps	240V 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.tpsjsoyn.com for latest revisions.

TLP AVAILABLE CONFIGURATIONS

Model Number	No of Pair	Application
TK-CT-190TLP4-RJ-T1/E1	4	190V T1/E1

