Total Protection Solutions™

TransTrack® TTLP

System Features

- Protects commercial and residential equipment against the harmful effects of lightning strikes and internally generated electrical transients
- Individually fused MOV's provide superior protection and continuous operation
- 200kAIC short circuit current rating allows direct bus connection without the need of an upstream over-current protection device
- Enhanced Transient Filter
- Includes pre-wired pigtail conductors to stream line installation
- Low profile design includes flush-mount plate for in-wall recess panel applications
- UL 1283 Listed standard EMI/RFI filter
- Ultra Compact Footprint – makes installation flexible
- Weatherproof steel enclosure allows for outdoor installations

Product Specifications

General Specifications

Maximum Rated Surge Current: 100kA per phase; 50kA per mode
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 Residential, 25 yr. for Commercial. Original Owner Only.
Safety Listing: UL 1449 4th Ed., Type 1 for Type 1 & Type 2 Locations and 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: Power coated, impact-resistance steel, weather-proof NEMA 4 (IP56)
Connection: Pre-wired with 36" (915 mm) of #10 AWG (5.26 mm^2) conductor
Mounting: Dual mounting flanges. Flush-mounting trim plate included
Operating Environment: -40° C to 70° C (-40° F to 160° F)
5% to 95% non-condensing humidity
Weight: Approx. 11lbs. (5 kg)

Available Configurations

Model Number	Description
TK-TTLP-1S240-FL	120/240VAC, 1ø SPLIT-PHASE, 3-wire + grd
TK-TTLP-1P120-FL	120VAC, SINGLE-PHASE, 2-wire + grd
TK-TTLP-1P240-FL	240VAC, SINGLE-PHASE, 2-wire + grd
TK-TTLP-3Y208-FL	120/208VAC, THREE-PHASE, 4-wire + grd
TK-TTLP-3Y480-FL	277/480VAC, THREE-PHASE, 4-wire + grd

EMI / RFI Filter Attenuation – Mil Standard 220B

Max. Attenuation Freq.
41 dB @ 106kHz

Available Option

- Advanced monitoring package - includes dry relay contacts for remote monitoring of status of unit, and audible alarm with silence switch on cover of unit: add suffix "-M"

FREE REPLACEMENT ★ LIFETIME ★ WARRANTY ★ LIFETIME ★

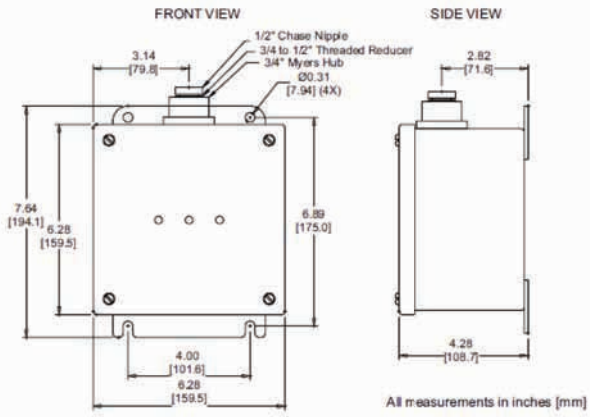
Made in U.S.A.

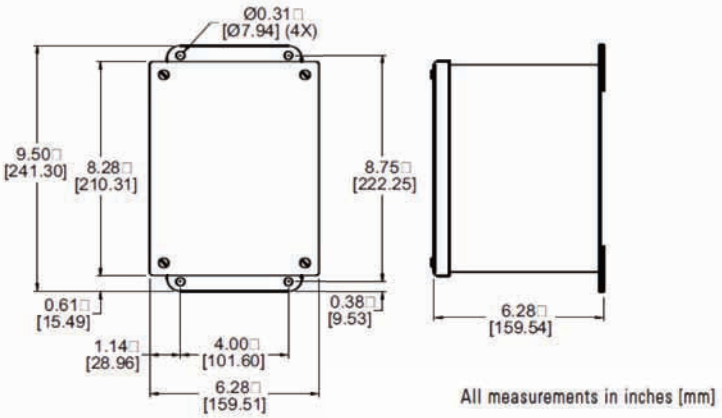
For Technical Support:
TEL: 800.836.2305
support@TPSsurge.com

Power Filter & Surge Suppressor

TTLP

TPS Power Filter absorbs, dissipates and removes harmful transient voltages traveling on AC & DC power circuits at the breaker panel reducing lockups, glitches and reprogramming issues.





Model Number	System Voltage	System Configuration	Protection Mode	MCOV	ANSI/IEEE C62.41.1-2002, C62.41.2-2002, & C62.45-2002 Measured Limited Voltage: ETF Models A1 Ring Wave 2kV, 67A 180° Phase Angle	All Models B3/C1 Impulse Wave 6kV, 3kA 90° Phase Angle	All Models C3 Impulse Wave 20kV, 10kA 90° Phase Angle	UL Voltage Ratings: UL 1449 2nd Edition/ UL 1449 3rd & 4th Ed. Voltage Protection Ratings
TK-TTLP-1P120-FL	120V	1-Phase 2-wire+grnd	L-N	150V	42V	590V	970V	400/600
			L-G	150V	541V	597V	1160V	400/600
			N-G	150V	765V	590V	1100V	400/600
TK-TTLP-1P240-FL	240V	1-Phase 2-wire+grnd	L-N	320V	42V	1038V	1660V	800/1200
			L-G	320V	541V	1037V	1690V	800/1200
			N-G	320V	765V	1037V	1510V	800/1200
TK-TTLP-1S240-FL	120/240V	Split-Phase 3-wire+grnd	L-N	150V	36V	590V	970V	400/600
			L-G	150V	283V	597V	1160V	400/600
			L-L	300V	56V	980V	1490V	800/1000
			N-G	150V	322V	590V	1100V	400/600
TK-TTLP-3Y208-FL	120/208V	3-Phase WYE 4-wire+grnd	L-N	150V	36V	590V	970V	400/600
			L-G	150V	283V	597V	1160V	400/600
			L-L	300V	56V	980V	1490V	800/1000
			N-G	150V	322V	590V	1100V	400/600
TK-TTLP-3Y380-FL	220/380V	3-Phase WYE 4-wire+grnd	L-N	320V	42V	1040V	1660V	800/1200
			L-G	320V	541V	1037V	1690V	800/1200
			L-L	640V	63V	1860V	2570V	1500/2000
			N-G	320V	765V	1035V	1510V	800/1200
TK-TTLP-3Y480-FL	277/480V	3-Phase WYE 4-wire+grnd	L-N	320V	42V	1040V	1660V	800/1200
			L-G	320V	541V	1037V	1690V	800/1200
			L-L	640V	63V	1860V	2570V	1500/2000
			N-G	320V	765V	1035V	1510V	800/1200
TK-TTLP-3D240-FL	120/240V	3-Phase high-leg DELTA 4-wire+grnd	L-N	150V	36V	598V	960V	400/600
			H-N	320V	39V	1041V	1326V	800/1200
			L-G	150V	283V	595V	1160V	400/600
			H-G	320V	735V	1042V	1495V	800/1200
			L-L	320V	31V	988V	1490V	800/1000
			H-L	470V	71V	1394V	1629V	1500/1500
			N-G	150V	303V	595V	860V	400/600
TK-TTLP-3Y600-FL	347/600V	3-Phase WYE 4-wire+grnd	L-N	420V	58V	1191V	1722V	1200/1200
			L-G	420V	982V	1170V	1794V	1200/1200
			L-L	720V	88V	2292V	2898V	2000/2500
			N-G	420V	948V	1197V	1624V	1200/1200

All voltages are peak values (+10%) from the zero reference point at the phase angles referenced above using a 10 µs/div display rate and 500MS/s sampling rate. Specifications subject to change without notice, see web site www.totalprotectiondesign.com for latest revisions.

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

P.O. Box 3760, Winter Park, FL 32790

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