Total Protection Solutions by JOSLYN

TransTrack LP

System Features

- 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 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*

Product Specifications

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: 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-mountingtrim 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)

FREE REPLACEMENT ★ LIFETIME ★ WARRANTY ★ LIFETIME ★ WARRANTY

Made in U.S.A.

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

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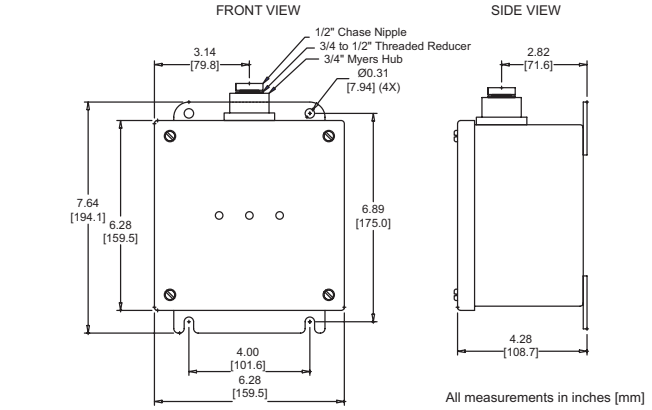
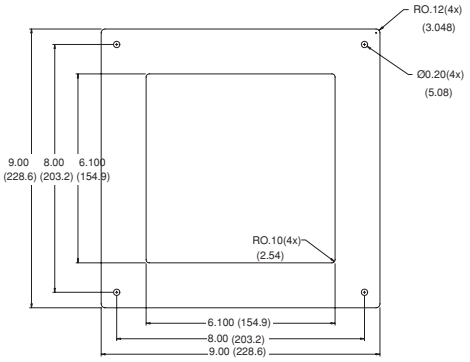


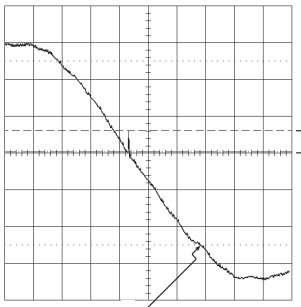
All measurements in inches [mm]



FRONT VIEW

NOTES:
1. DRAWING TO BE INTERPRETED PER ANSI STANDARD Y14.5.
2. ALL DIMENSIONS ARE IN INCHES.
3. DEBURR ALL SHARP EDGES AND CORNERS, SAND SMOOTH.
4. RADII TO BE .07 MAX.

All measurements in inches (mm)



Peak Let-Through Voltage Level - 36V

Reference Level Zero Crossing of AC Sine Wave

AC Sine Wave

For 120/208V Configuration

ANSI/IEEE C62.41.1 Category A1 Ring Wave 2000V, 67A Test Plot
L-N Mode, Dynamic, 180 Phase Angle, 6" Leads, Positive Polarity 1 msec/div Horizontal 45V/div Vertical

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	ANSI/IEEE C62.41.1-2002, C62.41.2-2002, & C62.45-2002 Measured Limited Voltage: All Models B3/C1 Impulse Wave 6kV, 3kA 90° Phase Angle	UL SVR: UL 1449 2nd Edition Suppressed Voltage Ratings
TK-TTLP-1S240-FL	120/240V	1-Phase 3-wire+grnd	L-N	150V	36V	587V	400V

All tests performed with 6" (152 mm) lead length, positive polarity.
All voltages are peak values (±10%) measured from the zero reference point at the phase angles referenced above using a 10 µs/div display rate and 500 Mega samples/sec sampling rate.
Specifications subject to change without notice, see web site, www.tpsjoslyn.com for latest revisions.

Source4/500k/9.12.06/J-2817-LP

JOSLYN
5900 Eastport Boulevard Richmond, VA 23231-4453 USA
TEL: 800.647.1911 www.tpsjoslyn.com