

SYSTEM FEATURES



- Protects sensitive electronics and appliances against the harmful effects of lightning strikes and internally generated electrical transients
- Includes pre-wired pigtail conductors to streamline installation
- Fail-safe design
- Dual Component Level Fusing (CLF) provides over-current plus thermal protection for added safety
- UL 1449 2nd Edition, 2005 Revision (effective 2/9/2007)
- Small, compact footprint - makes installation flexible
- 10-Year Unlimited Free Replacement Warranty

PRODUCT SPECIFICATIONS

GENERAL SPECIFICATIONS

Maximum Rated Surge Current: 40kA per phase
Application: ANSI/IEEE C62.41 Location C, B & A. Ideal for residential service entrance and branch panel applications
Design: Ultra compact, fail-safe design with dual component-level fusing
Warranty: 10-Year Unlimited Free Replacement
Safety Listing: UL 1449 2nd Edition, 2005 Revision (effective 2/9/2007)

ELECTRICAL SPECIFICATIONS

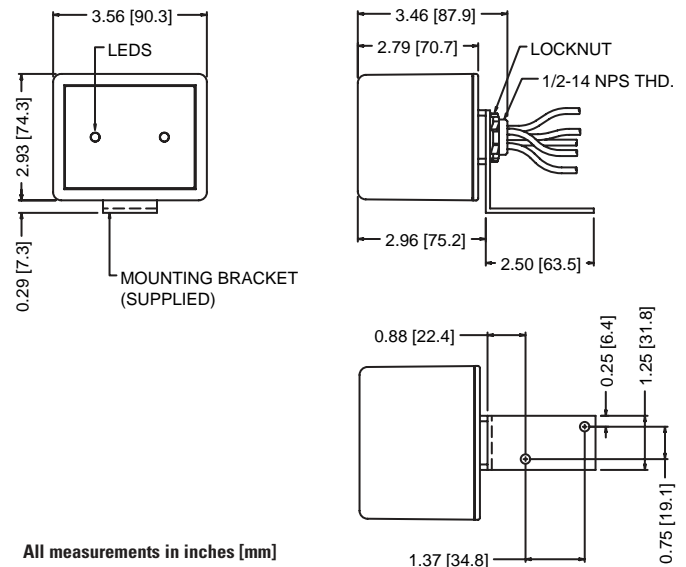
Modes of Protection: All modes. L-N, L-L, L-G & N-G (Discrete Protection on L-N & N-G)
Input Power Frequency: 47-64 Hz
Response Time: < 1 nanosecond
Standard Monitoring: Status indicator light
Short Circuit Current Rating (SCCR): 25kAIC short circuit current rating using a max 30A fuse or breaker

MECHANICAL SPECIFICATIONS

Dimensions: 2.93" H x 3.56" W x 2.79" D (74.3 mm H x 90.3 mm W x 70.7 mm D)
Enclosure: High-impact non-metallic weatherproof
Connection: Pre-wired with 18" (457 mm) of #14 AWG (2.08 mm²) conductor
Mounting: Comes with a threaded 1/2" (15 mm) hub for easy knockout mounting or L-shaped bracket for stand-alone wall mounting
Operating Environment: -40° C to 70° C (-40° F to 160° F); 5% to 95% non-condensing humidity
Weight: 2.00 lbs (1.0kg)

PANELTRACK RESIDENTIAL

Model Number	Description	Surge Rating
TK-RK040-1S240-L	120/240VAC, 1ø 3-wire + grd	40kA/phase



AVAILABLE CONFIGURATIONS

Model Number	System Voltage	System Configuration	Surge Rating (per phase)	Protection Mode	MCOV	ANSI/IEEE C62.41.1-2002, C62.41.2-2002, & C62.45-2002 Measured Limited Voltage			MLV Data
						ETF Models	All Models	All Models	UL 1449 2nd Edition 2005 Revision
						A3 Ring Wave 6kV, 200A 90° Phase Angle	B3/C1 Impulse Wave 6kV, 3kA 90° Phase Angle	C3 Impulse Wave 20kV, 10kA 90° Phase Angle	Suppressed Voltage Ratings
TK-RK040-1S240-L	120/240V	1-Phase 2-wire+grnd	40kA	L-N N-G	300 300	795 775	970 940	1370 1440	700 700

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.TPSSurge.com for latest revisions.

