

## 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:** 80kA per phase (40kA for RK040S)

**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 2/9/2005)

### ELECTRICAL SPECIFICATIONS

**Modes of Protection:** All modes. L-N, L-L, L-G & N-G (Discrete Protection on L-N, L-G & N-G with RK080S)

**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:** 5.60" H x 2.90" W x 1.90" D (142 mm H x 73.7 mm W x 48.3 mm D)

**Enclosure:** High-impact non-metallic weatherproof

**Connection:** Pre-wired with 18" (457 mm) of #14 AWG (2.08 mm<sup>2</sup>) 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

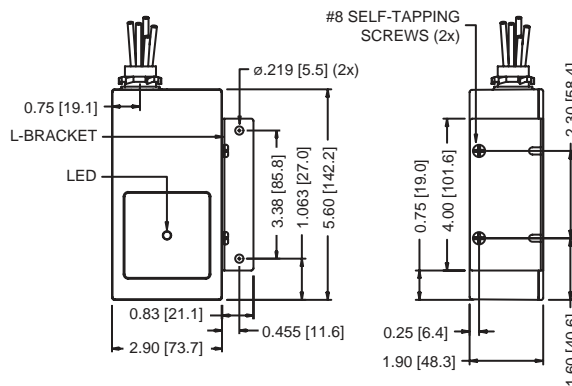
**Weight:** 2.25 lbs (1.0kg)

### PANELTRACK RESIDENTIAL SLIMLINE

Model Number	Description	Surge Rating
TK-RK040S-1S240-L	120/240VAC, 1Ø 3-wire + grd	40kA/phase
TK-RK080S-1S240-L	120/240VAC, 1Ø 2-wire + grd	80kA/phase

### AVAILABLE OPTION

- Flush-mount cover for installation on recessed panels: RKS-FMP (order as a separate item)



All measurements in inches [mm]

### 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
						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	2005 Revision
									Suppressed Voltage Ratings
TK-RK040S-1S240-L	120/240V	1-Phase 3-wire+grnd	40kA	L-N	150	374	590	1015	400
				N-G	150	476	604	1110	400
TK-RK080S-1S240-L	120/240V	1-Phase 3-wire+grnd	80kA	L-N	150	374	590	1015	500
				L-G	150	375	595	1015	500
				N-G	150	476	604	1110	500

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

