

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 3rd Edition
- Small, compact footprint - makes installation flexible
- 10-Year Unlimited Free Replacement Warranty

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 3rd Edition, Type 1 SPD. For use in Canada, add suffix "-CAN" for cUL listing. All cUL listed units are type 2.
 ✓ RoHS Compliant

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: 40-68 Hz
Response Time: < 1 nanosecond
Standard Monitoring: Status indicator light
Short Circuit Current Rating (SCCR): 100kAIC short circuit current rating for all units

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 Nema 1. Not recommended for direct sunlight exposure.
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: 2.25 lbs (1.0kg)

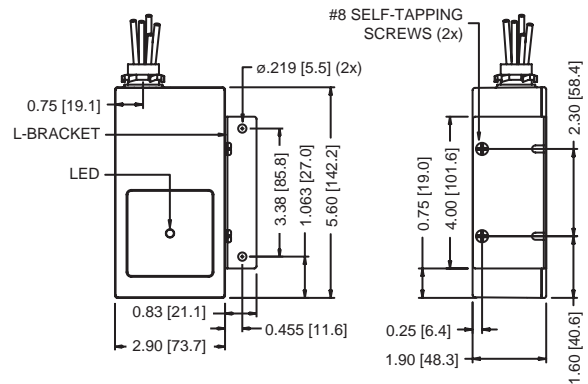
AVAILABLE CONFIGURATIONS

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]

ANSI/IEEE C62.41.1-2002, C62.41.2-2002, & C62.45-2002 Measured Limited Voltage

Model Number	System Voltage	System Configuration	Surge Rating (per phase)	Protection Mode	MCOV	Measured Limited Voltage			VPR Data
						ETF Models	All Models	All Models	UL 1449 2nd Edition/ UL 1449 3rd 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	Voltage Protection Ratings
TK-RK040S-1S240-L	120/240V	1-Phase 3-wire+grnd	40kA	L-N	150	374	590	1015	400/600
				N-G	150	476	604	1110	400/600
TK-RK080S-1S240-L	120/240V	1-Phase 3-wire+grnd	80kA	L-N	150	374	590	1015	500/600
				L-G	150	375	595	1015	500/600
				N-G	150	476	604	1110	500/600

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 μ s/div display rate and 500 Mega samples/sec sampling rate. Specifications subject to change without notice. See web site, www.TPSurge.com for latest revisions.



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