

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 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

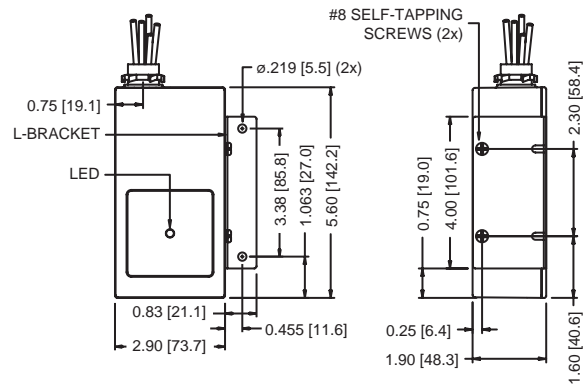
Weight: 2.25 lbs (1.0kg)

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 (±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.

