

## SYSTEM FEATURES



- Protects facilities and equipment 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)
- CE Compliant\*
- 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 distribution panels, branch panels and OEM 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 lights (one per phase)  
**Short Circuit Current Rating (SCCR):** 25kAIC (for 1P120, 1S240, 3Y208) 18kAIC (1P240, 3Y380, 3Y415, 3Y480 and 3D240) All models require a max 30 amp fuse or breaker

### MECHANICAL SPECIFICATIONS

**Dimensions:** 2.93"H x 3.56"W x 2.79"D (74.3mm H x 90.3mm W x 70.7mm 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:** 2.00 lbs (0.90kg)

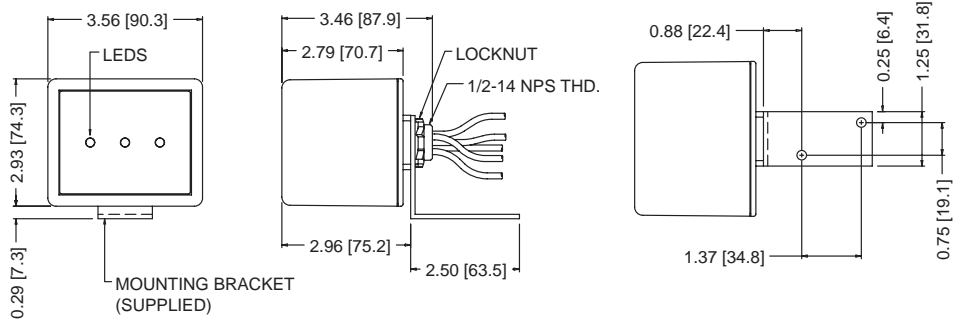
### PANELTRACK STANDARD

Model Number	Description
TK-PK040-1P120-L	120VAC, 1ø 2-wire + grd
TK-PK040-1P240-L*	240VAC, 1ø 2-wire + grd
TK-PK040-1S240-L	120/240VAC, 1ø 3-wire + grd
TK-PK040-3Y208-L	120/208VAC, 3ø 4-wire + grd
TK-PK040-3Y380-L*	220/380VAC, 3ø 4-wire + grd
TK-PK040-3Y415-L*	240/415VAC, 3ø 4-wire + grd
TK-PK040-3Y480-L	277/480VAC, 3ø 4-wire + grd
TK-PK040-3D240-L	120/240VAC, 3ø high-leg DELTA 4-wire + grd

\*CE approved models



Made in U.S.A.



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 UL 1449 2nd Edition 2005 Revision Suppressed Voltage Ratings
						ETF Models	All Models	All Models	
						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	
TK-PK040-1P120-L	120V	1-Phase 2-wire+grnd	40kA	L-N N-G	150	455	580	940	400
					150	447	600	1110	400
TK-PK040-1P240-L	240V	1-Phase 2-wire+grnd	40kA	L-N N-G	300	795	970	1370	700
					300	775	940	1440	700
TK-PK040-1S240-L	120/240V	1-Phase 3-wire+grnd	40kA	L-N N-G	150	457	585	945	400
					150	455	610	1060	400
TK-PK040-3Y208-L	120/208V	3-Phase WYE 4-wire+grnd	40kA	L-N N-G	150	451	570	933	400
					150	457	590	1033	400
TK-PK040-3Y380-L	220/380V	3-Phase WYE 4-wire+grnd	40kA	L-N N-G	300	782	937	1347	800
					300	819	990	1480	800
TK-PK040-3Y415-L	220/415V	3-Phase WYE 4-wire+grnd	40kA	L-N N-G	320	769	950	1367	800
					320	799	960	1420	800
TK-PK040-3Y480-L	277/480V	3-Phase WYE 4-wire+grnd	40kA	L-N N-G	320	769	950	1367	800
					320	799	960	1420	800
TK-PK040-3D240-L	120/240V	3-Phase high-leg DELTA 4-wire+grnd	40kA	L-N N-G	150	455	610	933	400
					300	780	937	1347	700
					150	455	590	1033	400

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](http://www.TPSSurge.com) for latest revisions.