Total Protection Solutions®

PanelTrack®

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
- UL 1449 3rd Edition
- Small, compact footprint - makes installation flexible
- 10-Year Unlimited Free Replacement Warranty
- Perfect for OEM applications
- Dual component level fusing provides over-current plus thermal for added safety

Product Specifications

General Specifications

Maximum Rated Surge Current: 40kA per phase
Nominal Discharge Surge Current I_n: 20kA **Application:** ANSI/IEEE C62.41 Location C, B & A. Ideal for distribution panels, branch panels and OEM applications **Design:** Ultra compact, fail-safe design
Warranty: 10-Year Unlimited Free Replacement
Safety Listing: UL 1449 4th Edition

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: 40-440 Hz
Response Time: < 1 nanosecond
Standard Monitoring: Status indicator lights (one per phase)
Short Circuit Current Rating (SCCR): 100 kAIC for all units. Type 1 SPD's do not require any upstream over current protection. Type 2 SPD's must be installed behind a 20 amp maximum 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 Nema 1
Connection: Pre-wired with 18" (457 mm) of #14 AWG (2.08 mm^2) 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	SPD TYPE *	Description
TK-PK040-1P120-L	Type 1	120VAC, 1ø 2-wire + grd
TK-PK040-1P240-L	Type 2	240VAC, 1ø 2-wire + grd
TK-PK040-1S240-L	Type 1	120/240VAC, 1ø 3-wire + grd
TK-PK040-3Y208-L	Type 1	120/208VAC, 3ø 4-wire + grd
TK-PK040-3Y380-L	Type 2	220/380VAC, 3ø 4-wire + grd
TK-PK040-3Y415-L	Type 2	240/415VAC, 3ø 4-wire + grd
TK-PK040-3Y480-L	Type 2	277/480VAC, 3ø 4-wire + grd
TK-PK040-3D240-L	Type 2	120/240VAC, 3ø high-leg DELTA 4-wire + grd
TK-PK040-240NN-L	Type 1	230-240VAC, 3ø 3-wire + grd, DELTA

* Use In Canada

Add Suffix "-CAN" for cUL listing for use in Canada (all units Type 2 with cUL listing).

FREE REPLACEMENT
★ 10 YEAR ★ WARRANTY ★ 10 YEAR ★

UL US
UL 1449

Made in U.S.A.

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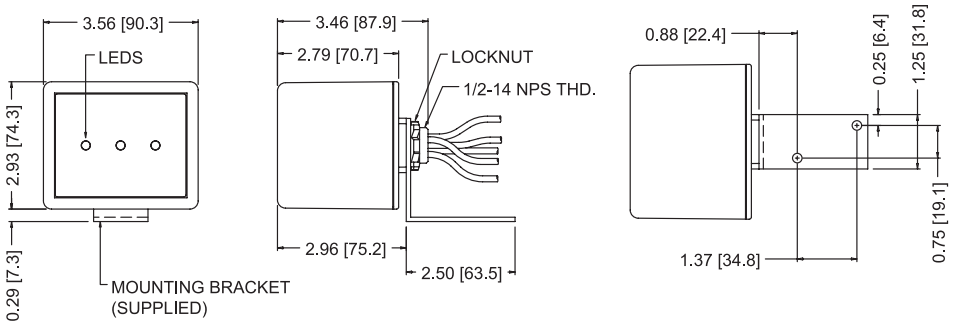

All measurements in inches [mm]

AVAILABLE CONFIGURATIONS

							ANSI/IEEE C62.41.1-2002, C62.41.2-2002, & C62.45-2002 Measured Limited Voltage			VPR Data
							ETF Models	All Models	All Models	UL 1449 3rd, 4th Ed.
			Nominal Discharge Surge						Voltage	Voltage
Model Number	System Voltage	System Configuration	Current I_n	Surge Rating (per phase)	Protection Mode	MCOV	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	Protection Rating 6kV, 3000A
TK-PK040-1P120-L	120V	1-Phase 2-wire+grnd	20kA	40kA	L-N N-G	150 150	455 447	610 600	940 1110	700 700
TK-PK040-1P240-L	240V	1-Phase 2-wire+grnd	20kA	40kA	L-N N-G	320 320	795 775	970 940	1370 1440	1200 1200
TK-PK040-1S240-L	120/240V	1-Phase 3-wire+grnd	20kA	40kA	L-N N-G	150 150	457 455	610 610	945 1060	700 700
TK-PK040-3Y208-L	120/208V	3-Phase WYE 4-wire+grnd	L-N 20kA	40kA	N-G	150 150	457	610 590	933 1033	700 700
TK-PK040-3Y380-L	220/380V	3-Phase WYE 4-wire+grnd	20kA	40kA	L-N N-G	320 300	782 819	937 990	1347 1480	1200 1200
TK-PK040-3Y415-L	220/415V	3-Phase WYE 4-wire+grnd	20kA	40kA	L-N N-G	320 320	769 799	950 960	1367 1420	1200 1200
TK-PK040-3Y480-L	277/480V	3-Phase WYE 4-wire+grnd	20kA	40kA	L-N N-G	320 320	769 799	950 960	1367 1420	1200 1200
TK-PK040-3D240-L	120/240V	3-Phase high-leg DELTA 4-wire+grnd	20kA	40kA	L-N H-N N-G	150 470 150	455 780 455	610 937 590	933 1347 1033	700 1800 700
TK-PK040-240NN-L	230-240V	3-Phase 3-wire+grnd, DELTA	20kA	40kA	L-G L-L	300 300	750 750	910 910	1205 1205	1200 1200

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.

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