



SYSTEM FEATURES



- Protects sensitive electronic and electrical equipment against the harmful effects of lightning strikes and internally generated electrical transients
- Includes pre-wired pigtail conductors to streamline installation
- Fail-safe design
- Component Level Fusing (CLF)
- UL 1449 5th Edition
- Small, ultra-compact footprint
- 10-Year Warranty
- Can be installed in base of light pole
- For more voltage options, see other PanelTrack models



PRODUCT SPECIFICATIONS

General Specifications:

Maximum Rated Surge Current: 35kA /phase

Application: ANSI/IEEE C62.41 Location C, B & A. Ideal for disconnects, branch panel and individual load applications

Design: Ultra compact, fail-safe design. Component-level fusing provides thermal protection.

Warranty: 10-Year

Safety Listing: UL 1449 5th Ed., Type 2 SPD.
External overcurrent protection required.

Nominal Discharge Surge Current I_n : 20kA

Electrical Specifications:

Modes of Protection: All modes. L-N, L-L, L-G & N-G

(Discreet protection: on both L-G and L-L)

Input Power Frequency: 50-60 Hz

Response Time: < 1 nanosecond

Standard Monitoring: Status indicator light

Short Circuit Current Rating (SCCR): 65kA_I using a 60A max breaker. Type 2 SPD's requires upstream over current protection. (20A to 40A recommended, 60A max breaker)

Mechanical Specifications:

Dimensions: Approx. 3.0" L x 2.0"W x 1.5"D
(76mm L x 51mm W x 38mm D)

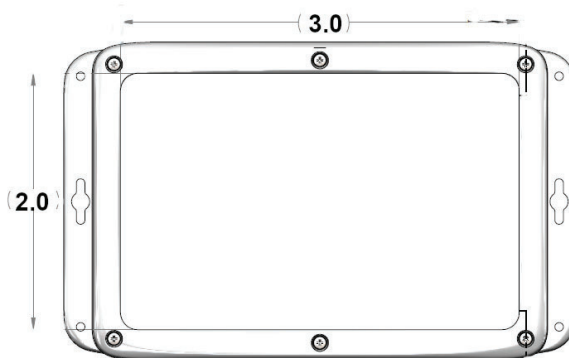
Enclosure: High-impact Plastic UL-94V0

Connection: Pre-Wired with 18" (475 mm) of #14 AWG (2.5mm²) conductor

Mounting: Comes with a threaded 1/2" (15 mm) hub for easy knockout mounting

Operating Environment: -40° C to 70° C (-40° F to 160° F);
5% to 95% non-condensing humidity

Weight: 0.7 lbs (0.32kg)



MADE IN USA



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AVAILABLE CONFIGURATIONS

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

Measured Limited Voltage

VPR Data

All Models

All Models

All Models

UL1449 5th Ed.

Model Number	System Voltage	System Configuration	Surge Rating per phase	Protection		B3/C1 Impulse Wave 6kV, 3kA 90° Phase Angle	C3 Impulse Wave 20kV, 10kA 90° Phase Angle	Voltage Protection Ratings
				Mode	MCOV			
TK-LPS035-1P120	120V	1-Phase (H, N, G)	50kA	L-N	150	678	1200	700
		2-wire+grnd		N-G	150	630	1275	700
TK-LPS035-1P240	240V	1-Phase (H, N, G)	50kA	L-N	320	990	1300	1000
		2-wire+grnd		N-G	320	990	1350	1000
TK-LPS035-1P277	277V	1-Phase (H, N, G)	50kA	L-N	320	990	1300	1000
		2-wire+grnd		N-G	320	990	1350	1000
TK-LPS035-2P120NN	120/240V	2-Phase (H, H, G)	50kA	L-L	300	980	1495	1000
		2-wire+grnd		L-G	150	597	1165	700
TK-LPS035-2P240NN	240V	2-Phase (H, H, G)	50kA	L-L	640	1790	2590	1800
		3-wire+grnd		L-G	320	990	1305	1000
TK-LPS035-2P480NN	480V	2-Phase (H, H, G)	50kA	L-L	1100	2481	3450	3200
		2-wire+grnd		L-G	550	1797	2124	1800

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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.

Specifications subject to change without notice. See web site, www.TPSurge.com for latest revisions.