LPP Series

Light Pole Protector

System Features



- Provides surge protection against harmful transient voltages that exceed the nominal operating voltage of AC and DC critical dedicated control loads
- Ideal for protecting Traffic Signals, Highway Lighting & Parking Lighting
- Compact, fail-safe design allows flexible installation into light pole bases.
- 10-year Unlimited Free Replacement Warranty
- Protect LED Drivers

Specifications

Maximum Rated Surge Current: 40kA per phase

Application: Inside light pole

Design: Ultra compact, fail-safe design

Warranty: 10-Year Unlimited Free Replacement

Input Power Frequency: 40-440Hz

Maximum Continuous Operating Current: 20 amps

Modes of Discrete Suppression Circuitry: All modes L-N, L-G & N-G

Response Time: < 1 nanosecond

Standard Monitoring: 24" remote LED status light with pigtail and rubber grommet.

Dimensions: 3.65"H x 3.9"W x 2.20"D

Enclosure: Moisture Resistant Plastic

Installation: Parallel wired ("P"). Install downstream from a maximum 20 Amp breaker. Internally fused model with "-L" suffix can be installed on any size breaker, or without a breaker.

Connection Method: Pre-wired with 20 inches of #10 AWG Conductor.

Operating Temperature: -40° C to 85° C (-40° F to 185° F)

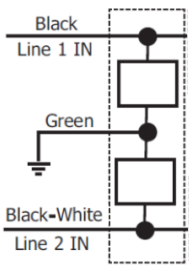
Weight: 1.00 lbs. (0.45 kg)

Product Specifications	TK-LPP120P	TK-LPP240P	TK-LPP277P	TK-LPP480P
Operating Voltage	120V (H,N,G)	240V (H,H,G)	277V (H,N,G)	480V (H,H,G)
MCOV	150VAC	275VAC	320VAC	550VAC
Continuous Current	20A	20A	20A	20A
Max Surge Current	40kA	40kA	40kA	40kA
Clamp Voltage VPR	L-G 700 N-G 700 L-N 1200	L-G 1000 N-G 1000 L-N 1800	L-G 1200 N-G 1200 L-N 2100	L-G 1800 N-G 1800 L-N 3000
SCCR	5kA	5kA	5kA	5kA

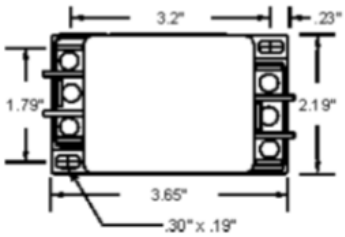
Note: Units come standard prewired for parallel connection, and with remote LED status light with pigtail and rubber grommet.

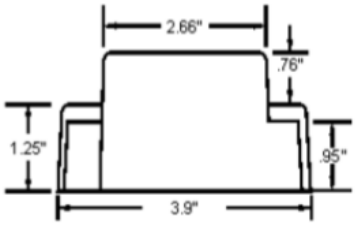
Options: Replace LPP with LP for LED status light on the unit
Add Suffix "-20" for 20kA per phase unit
For screw terminals in place of pre-wired conductors, add "T" suffix
For internal fusing add "-L" suffix.

Schematic



Dimensions





Standard Wiring

Length	Gauge	Color	Connection
16"	6	Green	Ground
16"	10	Black	Line 1 (HOT)
16"	10	White	Line 2 (HOT)/Neutral

6, 10 and 14 Gauge Wire Configurations Available