

DTK-HL480

Series-Connected Highway Light Pole Surge Protective Device



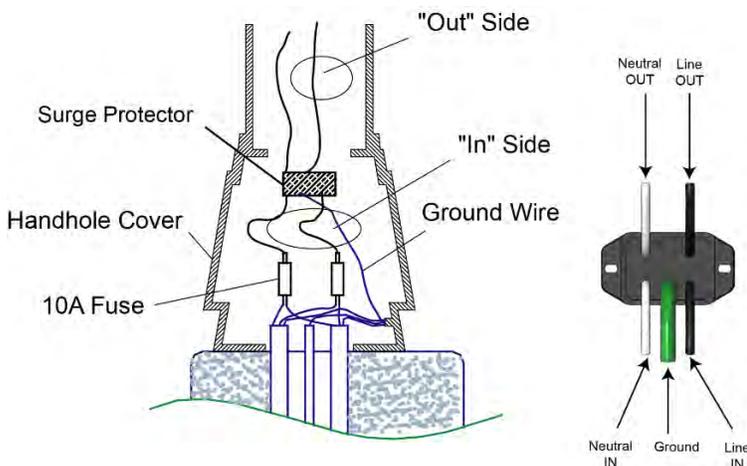
Product Features

- Series connections optimize protection response
- Protects 480 VAC single phase power
- Compact size and potted enclosure ensure installation flexibility

Applications

- Highway Lighting Systems

Wiring Diagram



DITEK's DTK-HL480 SPD is designed to protect 480 VAC single phase highway lighting systems. Its series configuration and oversized ground wire allow optimal response to surges for best protection of overhead lights.

The DTK-HL480 protects up to 30 Amp, 480 VAC electrical power for highway lights, making it suitable for use on single or multiple-lamp poles. Sealed components and waterproof construction allow it to be mounted in any outdoor location.

Technical Specifications

Service Voltage:	480 VAC Single Phase (2 L, 2 N, G)
MCOV:	550 VAC
Protection Modes:	L-G, N-G
Voltage Protection Rating (VPR):	1,900V (IEEE C1 Impulse, 8x20ps, 6kV, 3kA)
Surge Current Rating:	27,000 Amps
Max. Continuous Current:	30 Amps
Operation Frequency:	40Hz – 400Hz
Peak Energy:	720 Joules, 2ms Pulse
1mA Clamping Level:	910V

Mechanical Characteristics

Connection Method:	#10 AWG (Line & Neutral), #6 AWG (G), 12" (30.5cm) wiring leads
Housing:	ABS, potted
Dimensions:	3.0"L x 1.6"xW x 1.1"H (76.2mm x40.6mm x 28 mm)
Weight:	0.5 lb

Quality, Standards & Approval

Standards Compliance	IEEE Category C
Warranty:	Ten Year Limited Warranty

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