



# DL Series Light Pole Surge Arresters

*Single Phase and Three Phase Surge Arresters,  
120VAC – 480VAC*

DITEK's DL Series of Light Pole surge arresters have been engineered to meet stringent D.O.T. standards to protect outdoor lights. These series connected surge arresters provide optimum protection for high mast lights, highway lighting, standard street lights, and parking lot light poles.

Waterproof construction allows use in outdoor environments, and an oversized #6 AWG ground wire provide optimum surge current dissipations. Backed by a ten year warranty, DITEK DL arresters are your choice for effective, economical outdoor lighting protection.

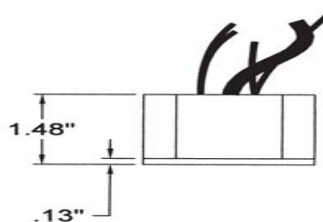
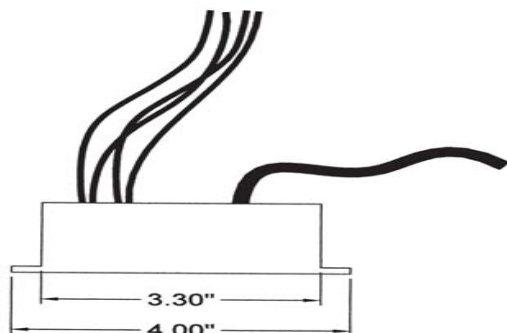
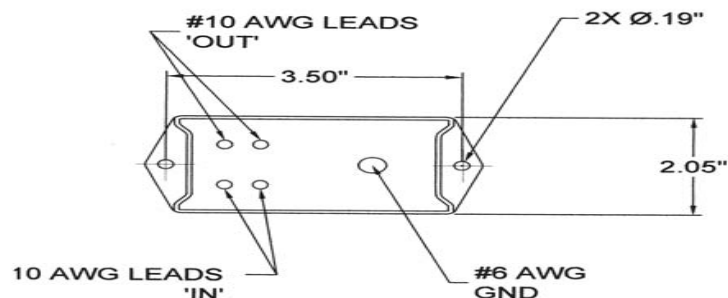


DTK-DL480

## DITEK DL Surge Arresters – Key Features

- 50,000A surge current capacity per phase
- Compact size to fit most light pole bases
- Available in eight voltage configurations
- DOT certified (DTK-DL480)
- Weatherproof design allows for use in most environments
- Series connected for maximum protection
- Ten year limited warranty

## Dimensions – Single Phase and Three Phase Units





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## Product Selection and Specifications

**Connection Method:** Hard wired, series configuration

**Surge Current Capacity:** 50,000 Amps per phase, 25,000 Amps per mode

**Max. Continuous Current:** 30 Amps

**Protection Modes:** L-G, L-L – All Models; L-G, L-N, N-G – DL120, DL240, DL480

**Enclosure:** UL94V0 ABS, NEMA 4X

**Dimensions:** 4.0" x 2.1" x 1.5" (102mm x 53mm x 38mm)

**Weight:** 2.44 lb. (1.1kg)

**Warranty:** Ten Year Limited Warranty

DTK-	Service Configuration	Service Voltage	MCOV	Clamping Voltage	Peak Surge Current	Energy Dissipation (Joules)	Protection Modes
DL120	Single $\Phi$ (2W + G)	120VAC	150V	395V	50,000A	480	L-G, L-N, N-G
DL1203	Three $\Phi$ Wye (3W + G)	120/208 VAC	150/300V	460V	50,000A	720	L-G, L-L
DL120/240	Single $\Phi$ (2W + G)	120/240 VAC	150/300V	395/790V	50,000A	480	L-G, L-L
DL240	Single $\Phi$ (2W + G)	240VAC 277VAC	300V	790V	50,000A	760	L-G, L-N, N-G
DL240/480	Single $\Phi$ (2W + G)	240/480 VAC	300/510V	790/1390V	50,000A	760	L-G, L-L
DL277/4803	Three $\Phi$ Wye (4W + G)	277/480 VAC	320/640V	790/1390V	50,000A	1290	L-G, L-L
DL480	Single $\Phi$ (2W + G)	480VAC	510V	1140V	50,000A	1160	L-G, L-N, N-G
DL4803	Three $\Phi$ Delta (3W + G)	480VAC	510V	1140V	50,000A	1290	L-G, L-L

