

# DTK-DL Series

Single Phase and Three Phase Surge Arrestors, 120VAC – 480VAC



## Product Features

- Waterproof construction allows use in outdoor environments
- Oversized #6 AWG ground wire provides optimum surge current dissipations
- Compact size to fit most light pole bases
- Available in eight voltage configurations
- DOT certified (DTK-DL480)
- Series connected for maximum protection

## Application

- LED public lights
- High mast lights
- Highway lighting
- Standard street lights
- Parking lot light poles

## Accessories

- DIN Rail Mounting Kit – Part Number DTK-DRK

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

## Technical Specifications

<b>Service Voltage:</b>	Single, split & three phase configurations. See Chart
<b>Protection Modes:</b>	See Chart
<b>Surge Current Rating:</b>	50,000 Amps per phase, 25,000 Amps per mode
<b>Max. Continuous Current:</b>	30 Amps
<b>Operation Frequency:</b>	40Hz – 400Hz

## Mechanical Characteristics

<b>Connection Method:</b>	Series Configuration
<b>Housing:</b>	UL94V0 ABS
<b>Operating Temperature:</b>	-40°F - 185°F (-40°C - 85°C)
<b>Maximum Humidity:</b>	95% non-condensing
<b>Dimensions:</b>	4.0"H x 2.1"W x 1.5"D (102mm x 53mm x 38mm)
<b>Weight:</b>	2.44 lb. (1.1kg)

## Quality, Standards & Approval

<b>Standards Compliance:</b>	IEEE C62.41.1 –2, IEEE C62.45
<b>Warranty:</b>	Ten Year Limited Warranty

Every precaution has been taken to ensure that this literature is accurate and complete. DITEK Corporation assumes no responsibility and disclaims all liability for damages resulting from the use of this information or for any errors or omissions.



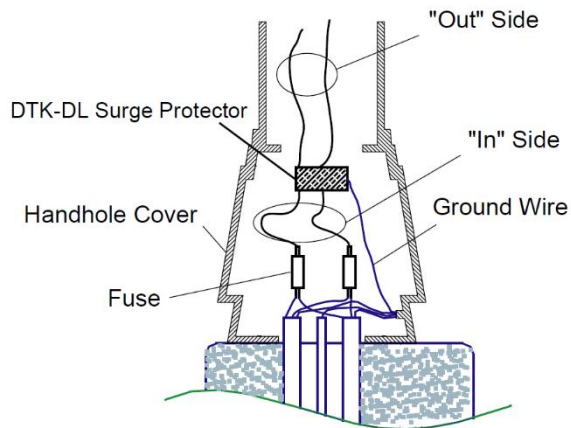
# DTK-DL Series

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Part Number	Service Voltage	Service Configuration	Clamping Voltage	MCOV	Protection Modes
DTK-DL120	120VAC	Single Ø (2W + G)	395V	150V	L-G, L-N, N-G
DTK-DL120/240	120/240VAC	Single Ø (2W + G)	395/790V	150/300V	L-G, L-L
DTK-DL2401	240VAC 277VAC	Single Ø (2W + G)	790V	300V	L-G, L-N, N-G
DTK-DL240/480	240/480VAC	Single Ø (2W + G)	790/1390V	300/510V	L-G, L-L
DTK-DL277/4803	277/480VAC	Three Ø Wye (4W + G)	790/1390V	320/640V	L-G, L-L
DTK-DL480	480VAC	Single Ø (2W + G)	1140V	510V	L-G, L-N, N-G

## Installation Diagram



## Dimensions Diagram

