



## D150X Series 150kA Surge Protective Device

DITEK's D150X Industrial Surge Protectors feature a true, all-mode surge protection design platform. The D150X Series is manufactured using discrete protection components installed on every available mode for maximum performance and protection. Available in a wide range of voltage configurations, the D150X is an excellent choice for service entrance and distribution panel surge protection.

### Product Features

- Discrete, thermally-protected MOVs installed on every available mode
  - Wye – 10 modes
  - Split Phase – 6 modes
  - Delta – 6 modes
  - Delta High Leg – 10 modes
- Audible alarm and Form C dry contacts for remote monitoring
- Diagnostic LEDs for each phase provide indication of system power and SPD function
- All models are UL96A & NFPA 780 compliant
- UL Type 4X enclosure
- Available in 6 voltage configurations

### Applications

- Service Entrance
- Distribution Panel
- Branch Panel

### Accessories

- Flush Mount Kit, p/n D200-FMK



### Technical Specifications

<b>Voltage Configurations:</b>	See Chart on Page 2
<b>Surge Current Rating (NEMA SPD 1.1-2019):</b>	150,000A / Phase 50,000A / Mode
<b>Nominal Discharge Current Rating (In):</b>	20kA
<b>Short Circuit Current Rating (SCCR):</b>	100,000A

### Mechanical Specifications

<b>Connection Method:</b>	¾" NPT Male Non-metallic Fitting 30-inch 10 AWG Leads
<b>Housing:</b>	UL Type 4X Polycarbonate
<b>Operating Temperature:</b>	-31°F – 185°F (-35°C – 85°C)
<b>Maximum Humidity:</b>	95% non-condensing
<b>Dimensions:</b>	6.36" L X 6.36" W x 2.73" H (162 mm x 162 mm x 69 mm)
<b>Weight:</b>	3 lb (1.36 kg)

### Quality Standards & Approvals

<b>Certifications:</b>	UL1449 5 <sup>th</sup> Edition CSA C22.2 No. 269.1-17
<b>SPD Type:</b>	Type 1
<b>Warranty:</b>	10 Year Limited Warranty





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Part Number	Service Voltage	Service Configuration	MCOV	UL In Rating	Voltage Protection Rating (VPR)			
					L-G	L-L	L-N	N-G
<b>D150X-120/240I</b>	120/240VAC	Split $\Phi$ (3W + G)	150V/300V	20kA	700V	900V	700V	600V
<b>D150X-120/2083Y</b>	120/208VAC	Three $\Phi$ Wye (4W + G)	150V/270V	20kA	700V	900V	700V	600V
<b>D150X-120/240HL</b>	120/240VAC	Three $\Phi$ High Leg Delta (4W + G)	150V/300V 270V/300V	20kA	700V HL-G 1000V	1000V HL-L 1200V	700V HL-N 1000V	700V
<b>D150X-277/4803Y</b>	277/480VAC	Three $\Phi$ Wye (4W + G)	320V/540V	20kA	1200V	1500V	1200V	700V
<b>D150X-2403D</b>	240VAC	Three $\Phi$ Delta (3W + G)	300V	20kA	1000V	1000V	N/A	N/A
<b>D150X-4803D</b>	480VAC	Three $\Phi$ Delta (3W + G)	540V	20kA	1800V	1500V	N/A	N/A

