



## D50-CM 120/240VAC Surge Protective Device

DITEK's D50-CM is a durable, cost-effective hybrid designed Surge Protective Device (SPD) suitable for use in a variety of applications. It is typically used in outdoor installations to protect pumps, motors, HVAC condensers and incoming utility power. Backed by a 10 year warranty, the D50-CM is an excellent choice for effective, economical surge protection.



### Product Features

- Robust 50,000 Amps per Phase surge current capacity
- Hybrid design with SAD and TPMOV™ technology provides an optimal surge solution
- NEMA 4X weatherproof enclosure
- Parallel connection for easy installation
- Diagnostic LED provides positive indication of system power and SPD function
- Automatically resets to handle multiple surge events
- UL96A Lightning Protection Compliant
- 5 Year \$10,000 Residential Connected Equipment Warranty

### Applications

- Electrical Meter Enclosure
- AC Disconnect
- Small Electrical Panels
- Pool/Well Pumps
- Irrigation Equipment
- Motors
- Farm Equipment
- Lighting Fixtures
- Traffic Signaling Devices
- HVAC/R Controls

### Technical Specifications

<b>Voltage Configuration:</b>	120/240VAC Split $\Phi$
<b>MCOV:</b>	150V/300V
<b>Protection Modes:</b>	L-G, L-L
<b>Voltage Protection Rating:</b>	700V L-G, 1200V L-L
<b>Surge Current Rating:</b>	50,000A / Phase
<b>SCCR:</b>	100,000A
<b>Nominal Discharge Current Rating (<math>I_n</math>):</b>	20kA
<b>Operating Frequency:</b>	50/60Hz

### Mechanical Specifications

<b>Connection Method:</b>	$\frac{3}{4}$ " NPT Male 18-inch 12 AWG Leads
<b>Housing:</b>	NEMA 4X Polycarbonate
<b>Operating Temperature:</b>	-31°F – 185°F (-35°C – 85°C)
<b>Maximum Humidity:</b>	95% non-condensing
<b>Dimensions:</b>	3.80" L X 3.5" W x 1.6" H (96.5 mm x 89 mm x 40.6 mm)
<b>Weight:</b>	0.5 lb (0.23 kg)

### Quality Standards & Approvals

<b>Certifications:</b>	UL1449 4 <sup>th</sup> Edition CSA C22.2 No. 269.1-17
<b>SPD Type:</b>	Type 1
<b>Warranty:</b>	10 Year Limited Warranty

