



# DTK-DF120S1 120VAC Surge Protective Device

Visual, audible, smart. **DITEK's DTK-DF120S1** sets a new standard for 120VAC power surge protection. Its patented design provides maximum critical load protection by minimizing AC supply voltage spikes and isolating incoming surges that originate from lightning or other sources. Each DF Series module features an LED health status indicator that flashes and sounds an audible alarm when protection has been compromised; and the wall-mountable enclosure includes dry contacts for remote notification when service is required.

## Product Features

- Protects 120VAC single phase critical loads
- Audible alarm sounds when protection is compromised or module is removed
- Push-button delay included to silence audible alarm for 24 hours
- Rapid-Replacement modules for ease of installation
- Form C dry contacts for remote notification when service is required
- UL1283 EMI/RFI noise filtering ensures clean power for connected equipment
- Separate LED indicators for system power, ground presence and protection status
- Accepts both flexible and rigid conduit
- No additional enclosure required

## Applications

- Fire Alarm Panels and Control Panels
- Electronic Fueling Equipment and Tank Monitors
- POS Devices and Lottery Machines
- Home Automation Systems

## Accessories

- Replacement Module, p/n DTK-DF120M



## Technical Specifications

<b>Voltage Configuration:</b>	120VAC Single $\Phi$ (2W + G)
<b>MCOV:</b>	150V
<b>Protection Modes:</b>	L-G, L-N, N-G
<b>Voltage Protection Rating:</b>	600V L-G, 700V L-N 1200V N-G
<b>Surge Current Rating:</b>	50,000A
<b>Max. Continuous Current:</b>	20A
<b>SCCR:</b>	10,000A
<b>Nominal Discharge Current Rating (<math>I_n</math>):</b>	10kA
<b>Operating Frequency:</b>	50/60Hz
<b>EMI/RFI Filtering Attenuation:</b>	Up to 35dB, 100kHz – 100MHz
<b>Audible Alarm dB Level:</b>	80dB @ 1' (MAX)

## Mechanical Specifications

<b>Connection Method:</b>	Mechanical lugs, 12 AWG max $\frac{3}{4}$ " NPT pre-drilled holes In/Out
<b>Housing:</b>	ABS
<b>Operating Temperature:</b>	-4°F – 140°F (-20°C – 60°C)
<b>Maximum Humidity:</b>	95% non-condensing
<b>Dimensions:</b>	6.6" L x 5.4" W x 2.6" H (168 mm x 137 mm x 66 mm)
<b>Weight:</b>	15.5 oz (0.44 kg)

## Quality Standards & Approvals

<b>Certifications:</b>	UL1449 5 <sup>th</sup> Edition, UL1283 CSA C22.2 No. 269.2-17
<b>SPD Type:</b>	Type 2
<b>Warranty:</b>	10 Year Limited Warranty

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