



## DTK-DF240S12 Twelve Circuit Surge Protective Device



Visual, audible, smart. **DITEK's DTK-DF240S12** sets a new standard for multi-circuit 240VAC 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 up to twelve (12) 240VAC Single Phase critical loads
- Audible alarm sounds when protection is compromised or protection module is removed
- 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
- Multi-stage hybrid design for fast response and best protection

### Applications

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

### Accessories

- Replacement Module, p/n DTK-DF240M

### Technical Specifications

<b>Voltage Configuration:</b>	240VAC Single $\Phi$ (2W + G) Supports up to 12 Circuits
<b>MCOV:</b>	300V
<b>Protection Modes:</b>	L-G, L-N, N-G
<b>Voltage Protection Rating:</b>	1200V L-G, L-N 2500V 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>	5kA
<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 Up to (12) circuits wired in series
<b>Housing:</b>	NEMA 12 Steel
<b>Operating Temperature:</b>	-13°F – 140°F (-25°C – 60°C)
<b>Maximum Humidity:</b>	95% non-condensing
<b>Dimensions:</b>	18.0" L x 16.0" W x 4.25" H (457 mm x 406 mm x 108 mm)
<b>Weight:</b>	27 lb (12.2 kg)

### Quality Standards & Approvals

<b>Certifications:</b>	UL1449 4 <sup>th</sup> Edition, UL1283 CSA C22.2 No. 269.2-17
<b>SPD Type:</b>	Type 2
<b>Standards Compliance:</b>	IEEE C62.41.1 –2 and C62.45
<b>Warranty:</b>	10 Year Limited Warranty

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