DITEK
Surge Protection

DTK-DF120S12
12 Circuit Surge Protective Device

Visual, audible, smart. **DITEK's DTK-DF120S12** sets a new standard for multi-circuit 120V AC 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 device's wall-mountable box includes dry contacts for remote notification when service is required.

Product Features

➤ Protects up to twelve (12) 120VAC single phase critical loads

➤ Audible alarm sounds when protection is compromised or 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-DF120M

Technical Specifications

Voltage Configuration:	120VAC Single Φ (2W + G) Supports up to 12 Circuits
MCOV:	150V
Protection Modes:	L-G, L-N, N-G
Voltage Protection Rating:	700V L-G, 700V L-N, 1200V N-G
Surge Current Rating:	50,000A / Circuit
Max. Continuous Current:	20A
SCCR:	10,000A
Nominal Discharge Current Rating (I_n):	10kA
Operating Frequency:	50/60Hz
EMI/RFI Filtering Attenuation:	Up to 35dB, 100kHz - 100MHz
Audible Alarm dB Level:	80dB @ 1' (MAX)

Mechanical Specifications

Connection Method:	Mechanical Lugs, 12 AWG max Up to (12) circuits wired in series
Housing:	NEMA 12 Steel
Operating Temperature:	-13°F - 140°F (-25°C - 60°C)
Maximum Humidity:	95% non-condensing
Dimensions:	18.0" L x 16.0" W x 4.25" H (457mm x 406mm x 108mm)
Weight:	27 lb (12.2 kg)

Quality Standards & Approvals

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

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