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

➤ 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

➤ 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

Voltage Configuration:	120VAC Single Φ (2W + G)
MCOV:	150V
Protection Modes:	L-G, L-N, N-G
Voltage Protection Rating:	700V L-G, L-N 1200V N-G
Surge Current Rating:	50,000A
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 ¾" NPT pre-drilled holes In/Out
Housing:	ABS
Operating Temperature:	-13°F – 140°F (-25°C – 60°C)
Maximum Humidity:	95% non-condensing
Dimensions:	6.6" L x 5.4" W x 2.6" H (168 mm x 137 mm x 66 mm)
Weight:	15.5 oz (0.44 kg)

Quality Standards & Approvals

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

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