

DTK-DF120S1

Series Connected Surge Protector with Dry Contacts and Audible Alarm



Visual, audible, smart. **DITEK's DTK-DF120S1** sets a new standard for 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 devices wall-mountable box includes dry contacts for remote notification when service is required.

Technical Specifications

Service Voltage:	120VAC Single Phase
MCOV:	150VAC
Protection Modes:	L-G, L-N, N-G
Voltage Protection Rating:	700V L-G, 700V L-N, 1,200V N-G
Surge Current Rating:	50,000 Amps
Max. Continuous Current:	20 Amps
SCCR:	10kA
Nominal Discharge Current Rating (In):	10kA
Operation Frequency:	40Hz – 400Hz
EMI/RFI Filtering Attenuation:	Up to 35dB, 100kHz -100MHz
Audible Alarm Sound Level:	80dB @ 1' (MAX)

Mechanical Characteristics

Connection Method:	Hardwired, series configuration Use 3/4" NPT Conduit Fittings
Housing:	ABS
Operating Temperature:	-4°F - 140°F (-20°C - 60°C)
Maximum Humidity:	95% non-condensing
Dimensions:	6.6"L x 5.4"W x 2.6"H (168mm x 137mm x 66mm)
Weight:	15.5oz (.44kg)

Quality, Standards & Approval

Agency Approvals:	UL1449 Listed, cUL, UL1283
SPD Type:	Type 2 SPD
Standards Compliance:	IEEE C62.41.1 -2, IEEE C62.45
Warranty:	Ten Year Limited Warranty

Product Features

- Protects 120VAC Single Phase Critical Loads
- Audible alarm sounds when protection is compromised or protection module is removed
- Rapid-Replacement modules for ease of installation.
- Dry contacts for remote notification when service is required
- UL1283 EMI/RFI noise filtering ensures clean power for connected equipment
- Separate LED indicators for power, ground and protection status
- Multi-stage hybrid circuit design for fast response and best protection
- Accepts both flexible and rigid conduit
- No additional enclosure required

Applications

- Fire Alarm Panels and Control Panels
- Fuel Pump Controllers and Tank Monitors
- POS Devices and Lottery Machines
- Home Automation Systems

Accessories

- Replacement Module – Part Number DTK-DF120M

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