



DTK-120X12 120VAC & Low Voltage Surge Protective Device

Visual, audible, smart. **DITEK's DTK-120X12** sets a new standard for 120VAC power and low voltage surge protection. It will protect your system power and up to twelve (12) pairs of SLC, IDC/PIV, NAC, network or dialer circuits. This combo unit comes equipped with a DTK-DF120M, 120VAC, replaceable surge protection module and a 6-position mounting base for replaceable, low voltage surge modules. Adding DTK-2MHLP/2MHTP modules for data/signal and dialer circuit protection provides a complete solution for your fire alarm system.

Product Features

- 120VAC power surge protection with audible alarm and Form C dry contacts for remote monitoring of surge protection status
- 6-position mounting base for 2MHLP/2MHTP modules, protects up to (12) SLC, NAC, IDC, PIV, network or dialer circuit pairs (modules must be ordered separately)
- Low voltage module cover ships blank to allow for application of installation company logo sticker
- Audible alarm can be silenced via the included time delay switch (24 hours)

Applications

- Fire Alarm Control Panels

Accessories

- 120V Replacement Module, p/n DTK-DF120M
- Low Voltage Protection Modules
 - DTK-2MHLPxxB (shorts to ground)
 - DTK-2MHLPxxF (opens circuit)
 - DTK-2MHTP (telephone lines)

Example to protect 120VAC system power, ten 24V data/signal pairs and two telco pairs

1 x DTK-120X12 (DTK-DF120M & 6-position mounting Base in an ABS enclosure)

5 x DTK-2MHLP24B (protects 10- data/signal pairs)

1 x DTK-2MHTP (protects 2- telco pairs)



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, 700V 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 (Power): (Low Voltage):	Mechanical Lugs, 12 AWG max Terminal Blocks, 12 AWG max
Housing:	ABS
Operating Temperature:	-4°F - 140°F (-20°C - 60°C)
Maximum Humidity:	95% non-condensing
Dimensions:	11.50" L x 10.00" W x 2.34" H (292mm x 254mm x 59mm)
Weight:	3.70 lb (1.68 kg)

Quality Standards & Approvals

Certifications:	UL1449 4 th Edition UL1283, UL497A/B CSA C22.2 No. 269.2-17
SPD Type:	Type 2
Warranty:	10 Year Limited Warranty

