



## 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 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 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-2MHLP130B (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-2MHLP130B** (protects 2- telco pairs)



### Technical Specifications

<b>Voltage Configuration:</b>	120VAC Single $\Phi$ (2W + G)
<b>MCOV:</b>	150V
<b>Protection Modes:</b>	L-G, L-N, N-G
<b>Voltage Protection Rating:</b>	600V L-G, 700V L-N, 1200V 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>	10kA
<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 (Power):</b> <b>(Low Voltage):</b>	Mechanical Lugs, 12 AWG max Terminal Blocks, 12 AWG max
<b>Housing:</b>	ABS
<b>Operating Temperature:</b>	-4°F - 140°F (-20°C - 60°C)
<b>Maximum Humidity:</b>	95% non-condensing
<b>Dimensions:</b>	11.50" L x 10.00" W x 2.34" H (292mm x 254mm x 59mm)
<b>Weight:</b>	3.70 lb (1.68 kg)

### Quality Standards & Approvals

<b>Certifications:</b>	UL1449 5 <sup>th</sup> Edition UL1283, UL497B CSA C22.2 No. 269.2-17
<b>SPD Type:</b>	Type 2
<b>Warranty:</b>	10 Year Limited Warranty

