



DTK-TSS1

Total Surge Solution

Complete Fire Panel Protection for AC Power and Loop Circuits
General Product Specifications

DITEK's Total Surge Solution (TSS) is a range of products that provide total surge protection for addressable and conventional alarm systems. The TSS1 protects 120V AC power and two to ten pairs of SLC, IDC, NAC and dialer circuits.

The TSS1 is equipped with DTK-120SR 120VAC surge protection and a prewired DTK-5MB mounting base for loop protection. Adding DTK-2MHLPTM modules or 2MHTPTM telco modules provides a custom solution for your system. Complete protection, simple installation, high quality, and field-replaceable modules make the TSS1 a perfect fit for addressable alarm systems or control panels.



*DTK-TSS1 shown with 2MHLPTM
Voice/ Data Protection Modules
(not included)*

DTK-TSS1

Product Features

- Surge protection for AC Power, NAC, IDC, and SLC loops
- 20A current rated, 54kA surge rated AC protection
- 20kA surge rated low voltage suppression
- Field replaceable surge modules for NAC, IDC, and SLC circuits
- Ten Year Limited Warranty

Specifications

- NEMA TYPE 1 steel enclosure with latching cover
- UL Listed - Industrial Control Panel Enclosure
- Weight: \approx 11 lb. (5 kg)
- Dimensions: 12" x 12" x 4"
(305mm x 305mm x 102mm)
- Operating temperature: -40° F to 175° F
(-40°C to 80°C)

Options

- Voice/Data protection modules: DTK-2MHLPTM (select required voltage), DTK-2MHTPTM (Telco lines)
- DTK-TSS2 120V AC and four-line low voltage transient surge protection
- DTK-TSS3 four-line low voltage protection for building-to-building runs
- 2MHLPTM mounting bases, DTK-xMB

DTK-120SR AC Protection Features

- Agency Approvals: UL1449 3rd Edition, cUL, UL1283
- Protector Type: Type 4 SPD, for Type 2 Application
- Nominal Discharge Current Rating (In): 3kA
- SCCR: 10kA
- Operating Voltage: 120VAC
- MCOV: 150VAC
- Peak Surge Current: 54,000 Amps
- LED function indicators
- EMI/RFI filtering

Low Voltage Protection Features

- Hard-wire base for replaceable suppression modules
- DTK-2MHLPTM modules are UL497B listed
- DTK-2MHTPTM telco modules are UL497A listed
- 2MHLPTM low voltage modules protect two data/signal pairs each. The TSS1, with 2MHLPTM modules, can protect power and up to ten data/signal pairs.
- Available voltages: 5VDC – 130VDC
- Maximum continuous current: 5A per module
- DTK-2MHLPTM Test/Bridging module is included

NOTE: See DTK-2MHLPTM/DTK-2MHTPTM/DTK-120SR Datasheets for detailed specifications on SLC, IDC, NAC, Dialer & Power Protection

