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-2MHLP modules or 2MHTP 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 2MHLP 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: ≈ 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-2MHLP (select required voltage), DTK-2MHTP (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
- 2MHLP 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-2MHLP modules are UL497B listed
- DTK-2MHTP telco modules are UL497A listed
- 2MHLP low voltage modules protect two data/signal pairs each. The TSS1, with 2MHLP 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-2MHLP/DTK-2MHTP/DTK-120SR Datasheets for detailed specifications on SLC, IDC, NAC, Dialer & Power Protection

