



DTK-TSS2 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 TSS2 covers 120V system power and up to four pairs of SLC, IDC/PIV, NAC or dialer circuits.

The TSS2 is equipped with DTK-120SRD 120VAC surge protection and a prewired DTK-2MB 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 TSS2 a perfect fit for conventional alarm systems or control panels.

DTK-TSS2

Product Features

- 20A current rated, 54kA surge rated AC suppression
- 20kA surge rated low voltage suppression
- Dry contacts for remote monitoring of surge protection status
- Field replaceable surge modules for NAC, IDC, and SLC circuits
- 2MHLP low voltage modules protect two data/signal pairs each. The TSS2, with two 2MHLP modules installed, protects power and up to 4 data/signal pairs
- Ten Year Limited warranty

Specifications

- NEMA 4X enclosure for installation in direct spray or corrosive environments
- Weight: \approx 5 lb. (2.5 kg)
- Dimensions: 10" x 7" x 4" (255 x 178 x 102mm)
- Operating temperature: -40° F to 175° F (-40°C to 80°C)

Options

- Replacement/add-on modules: DTK-2MHLP and DTK-2MHTP (Telco lines)
- Test/Bridging Module: DTK-2MHLPTM
- DTK-TSS3 (protects building to building signal loops)



DTK-120SRD AC Protection Features

- Agency Approvals: UL1449 3rd Edition, cUL, UL1283 EMI/RFI filtering
- 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
- Form C dry contact circuit

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 TSS2, with 2MHLP modules, can protect power and up to four data/signal pairs.
- Available voltages: 5VDC – 130VDC
- Maximum continuous current: 5A per module

NOTE: See DTK-2MHLP/DTK-2MHTP/DTK-120SRD Datasheets for detailed specifications on SLC, IDC, NAC, Dialer & Power Protection

