



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, NAC or dialer circuits.

The TSS2 is equipped with DTK-120SR 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 shown with 2MHLP
Voice/ Data Protection Modules
(not included)*

DTK-TSS2

Product Features

- Surge protection for AC Power, NAC, IDC, and SLC
- 20A current rated, 54kA surge rated AC suppression
- 20kA surge rated low voltage suppression
- 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-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 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-120SR Datasheets
for detailed specifications on SLC, IDC, NAC, Dialer & Power
Protection**

