DTK-TSS1
Total Surge Solution for Fire Alarm Systems

DITEK's Total Surge Solution (TSS) is a range of products that provide total surge protection for addressable and conventional alarm systems.

The DTK-TSS1 protects 120V system power and up to ten pairs of SLC, IDC/PIV, NAC or dialer circuits. The TSS1 is equipped with DTK-120SRD 120VAC surge protection and a prewired DTK-5MB mounting base. Adding DTK-2MHLP/2MHTP modules for data/signal and dialer circuit protection provides a complete solution for your fire alarm system.
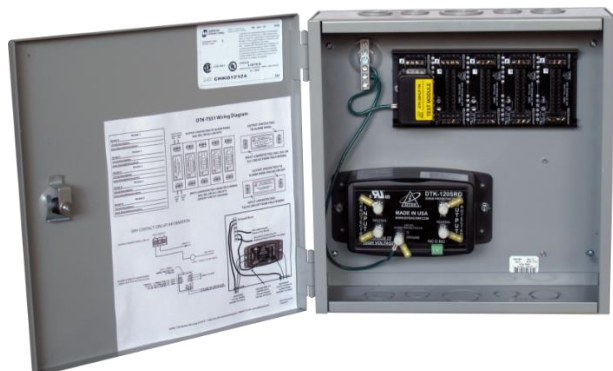
Product Features

- 120VAC power surge protection with dry contacts for remote monitoring of surge protection status
- Hard-wired base for 2MHLP/2MHTP modules, protects up to 10 SLC, NAC, IDC, PIV and dialer circuits pairs (must be ordered separately)
- Space for expansion, protect up to 8 additional data/signal pairs by adding a DTK-4MB base
- Complete protection, simple installation, high quality, and field-replaceable modules make the TSS1 a perfect fit for alarm systems or control panels.

Applications

- Fire Alarm Control Panels
- 120VAC Single phase critical loads and NAC, IDC, PIV and SLC circuits
- UL listed control panels where UL Recognized Components is required

Example to protect 120V system power, eight 24V data/signal pairs, and two telco pairs:

1 x DTK-TSS1 (DTK-120SRD & DTK-5MB in steel enclosure)
4 x DTK-2MHLP24B (protect 8-data/signal pairs)
1 x DTK-2MHTP (protect 2-telco pairs)

Technical Specifications

Equipped with:	
DTK-120SRD	120VAC Surge Protector See DTK-120SRD datasheet
DTK-5MB	Multi-base system, 10 circuit pairs See DTK-2MHLP datasheet
DTK-2MHLPTM	Test Module for 2MHLP circuit
100-640	Ground Bar Kit for Grounding See 100-640 datasheet

Mechanical Characteristics

Enclosure:	NEMA 1, 12 Steel Enclosure (IP20) with latching cover UL Listed Industrial Control Panel Enclosure
Operating Temperature:	-40°F - 175°F (-40°C - 80°C)
Maximum Humidity:	95% non-condensing
Dimensions:	12"L x 4"W x 12"H (305mm x 102mm x 305mm)
Weight:	11 lb. (5kg)

Quality, Standards & Approval

Agency Approvals:	UL1449, UL1283 for DTK-120SRD UL497B for DTK-2MHLP UL497A for DTK-2MHTP
Standards Compliance:	IEEE C62.41.1 –2, IEEE C62.45
Warranty:	Ten Year Limited Warranty

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