DTK-TSS6
Total Surge Solution for Fire Alarm Systems

DITEK
Surge Protection ®

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

The DTK-TSS6 protects 120V system power and up to eight pairs of SLC, IDC/PIV, NAC or dialer circuits. The TSS6 is equipped with a DTK-120HW for 120VAC surge protection and a DTK-4MB mounting base. Adding DTK-2MHLP/2MHTP modules for data/signal and dialer circuit protection provides a complete solution for your fire alarm system. The DTK-TSS6 includes an NFPA 72 2013 10.6.5.2 compatible lockout kit to prevent accidental disconnect of the fire alarm system.
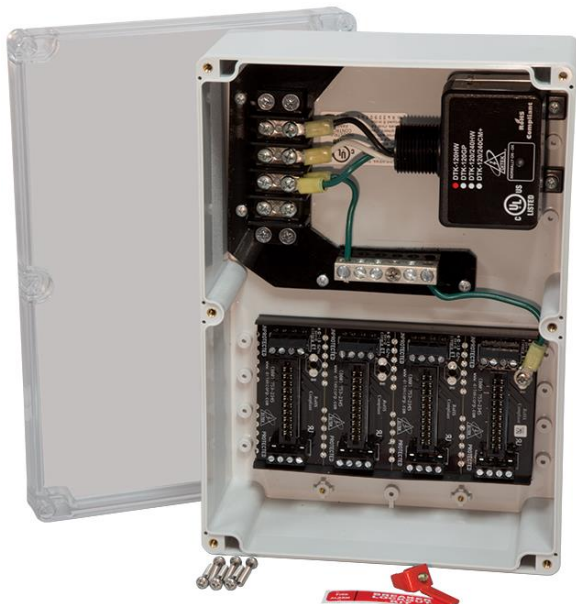
Product Features

- 120VAC power surge protection
- Hard-wired base for 2MHLP/2MHTP modules, protects up to 8 SLC, NAC, IDC, PIV and dialer circuits pairs (must be ordered separately)
- Complete protection, simple installation, high quality, and field-replaceable modules make the TSS6 a perfect, cost effective fit for alarm systems or control panels.

Applications

- Fire Alarm Panels
- Control Panels
- UL listed control panels

Accessories

- Test Module Kit – Part Number DTK-2MHLPTM

Example to protect 120V system power, two 24V data/signal pairs, two 12V data/signal pairs and two telco pairs:

1 x DTK-TSS6 (DTK-120HW & DTK-4MB in NEMA enclosure)
1 x DTK-2MHLP24B (protect 2-data/signal pairs 24V)
1 x DTK-2MHLP12B (protect 2-data/signal pairs 12V)
1 x DTK-2MHTP (protect 2-telco pairs)

Technical Specifications

Equipped with:	
DTK-120HW	120VAC Surge Protector See DTK-120HW Datasheet
DTK-4MB	Multi-base system, 4 circuit pairs See DTK-2MHLP Datasheet
100-640	Ground Bar Kit for Grounding See 100-640 Datasheet

Mechanical Characteristics

Enclosure:	Polycarbonate NEMA 4X (IP66) UL Listed Industrial Control Panel Enclosure UL94 Flammability Rating
Operating Temperature:	-40°F - 175°F (-40°C - 80°C)
Maximum Humidity:	95% non-condensing
Dimensions:	7.26"Lx 3.74"W x 10.43"H (184mm x 95mm x 265mm)
Weight:	5 lb. (2.5kg)

Quality, Standards & Approval

Agency Approvals:	UL1449 for DTK-120HW 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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Page 1 of 1

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