DTK-TSS1

Total Surge Solution for Fire Alarm Systems

DITEK's DTK-TSS1 provides a total surge protection solution for addressable and conventional alarm systems. It protects 120Vac system power and up to ten (10) pairs of SLC, IDC/PIV, NAC or dialer circuits. The TSS1 is equipped with a DTK-120SRD 120Vac SPD and a pre-wired DTK-5MB mounting base. Adding DTK-2MHLP modules for data/signal and dialer circuit protection provides a complete solution for your fire alarm system.



PRODUCT FEATURES

- 120Vac power surge protection with Form C dry contacts for remote monitoring of surge protection status
- 5-position mounting base for 2MHLP modules to protect up to (10) SLC, NAC, IDC, PIV, network or dialer circuit pairs (2MHLP modules must be ordered separately)
- Space for expansion to protect up to (8) additional data/signal pairs by adding a DTK-4MB base

APPLICATIONS

- Fire Alarm Control Panels

PRODUCT CONFIGURATION EXAMPLE

- DTK-TSS1
- DTK-2MHLP24F x 1 – protects (2) SLC circuits
- DTK-2MHLP24B x 3 – protects (6) NAC circuits
- DTK-2MHLP130B x 1 – protects (2) telco lines

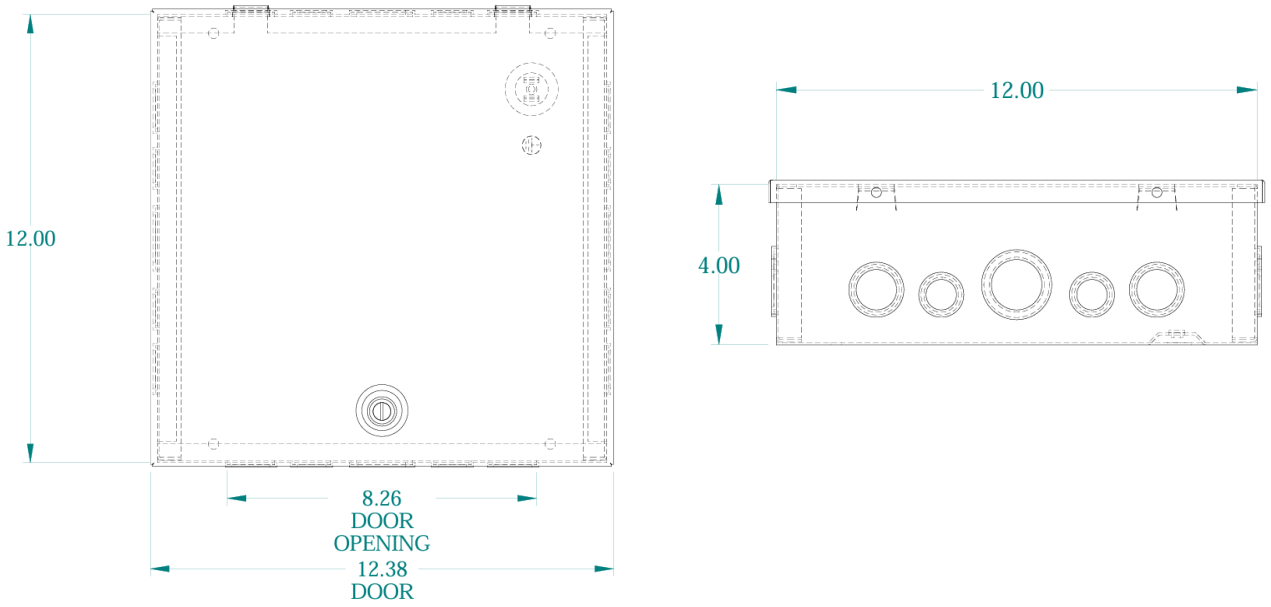
TECHNICAL SPECIFICATIONS	
Service Voltage:	120Vac Single Φ
MCOV:	150V
Max. Continuous Current:	20 amps
Surge Current Rating:	50,000A
Nominal Discharge Current Rating (I_n):	10kA
Short Circuit Current Rating (SCCR):	10,000A
Voltage Protection Rating (VPR):	600V Line-Ground 1000V Neutral-Ground 600V Line-Neutral
EMI/RFI Filtering Attenuation:	Up to -35dB, 100kHz – 100MHz
Status Indication:	LED, Form C dry contacts

DITEK Surge Protection, Largo, FL 33771 • Sales: 800-753-2345
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MECHANICAL SPECIFICATIONS	
Connection Method:	DTK-120SRD Mechanical studs 12 AWG DTK-5MB Terminal blocks 30-12 AWG
Housing:	NEMA 1 powder coated steel
Operating Temperature:	-40°F – 175°F (-40°C – 80°C)
Maximum Humidity:	95% non-condensing
Dimensions:	12 in. L x 12 in. W x 4 in. H (305 mm x 305 mm x 102 mm)
Weight:	11.3 lbs. (5.13kg)

SAFETY STANDARDS AND CERTIFICATIONS	
Certifications:	**DTK-120SRD** UL 1449 5th Edition Type 2CA CSA C22.2 No. 269.4-17, 2017-03 Type 4-2 SPD UL 1283 **DTK-2MHLP Series Modules** UL 497B
Standards Compliance:	RoHS
Warranty:	10 Year Limited Warranty

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