



DTK-TSS4D

Series Connected Surge Protector

DITEK's DTK-TSS4D provides total surge protection solutions for addressable and conventional alarm systems.

The DTK-TSS4D protects dedicated 120VAC power circuits that feed control panels and other critical equipment. It includes dry contacts for remote notification of surge protection status and EMI/RFI filtering to ensure clean power for connected equipment.



Product Features

- Series design for fast response and best level of protection
- Multi-stage hybrid circuit design
- Diagnostic LED provides positive indication of system power and SPD function
- Form C dry contacts for remote monitoring
- UL1283 EMI/RFI Filtering
- UL Listed NEMA 4X enclosure

Applications

- Fire Alarm Panels
- Control Panels
- 120Vac Single Phase Critical Loads
- Applications where a UL Listed SPD is required

Technical Specifications

Voltage Configuration:	120VAC Single Φ
MCOV:	150V
Protection Modes:	All Modes (L-G, L-N, N-G)
Voltage Protection Rating:	600V L-G, L-N 1000V N-G
Surge Current Rating:	50,000 Amps
Max. Continuous Current:	20 Amps
SCCR:	10kA
Nominal Discharge Current Rating (I_n):	3kA
EMI/RFI Filtering Attenuation:	Up to 35dB, 100kHz – 100MHz

Mechanical Specifications

Connection Method:	Hardwired, series configuration
Housing:	Polycarbonate NEMA 4X (IP66) UL94 Flammability Rating
Operating Temperature:	32°F – 140°F (0°C – 40°C)
Maximum Humidity:	95% non-condensing
Dimensions:	9.5" L X 6.25" W x 3.63" H (241 mm x 159 mm x 92 mm)
Weight:	1.8 lb (0.45 kg)

Quality Standards & Approvals

Certifications:	UL1449 4 th Edition cUL, UL1283
SPD Type:	Type 2
Standards Compliance:	IEEE C62.41.1 –2 and C62.45
Warranty:	10 Year Limited Warranty

