

# DTK-TSS4D

Series Connected Surge Protector with Dry Contacts



## Product Features

- Series design for fast response and best protection
- Multi-stage hybrid circuit design
- UL1283 EMI/RFI filtering
- LED indicates protection status
- Form C Dry Contact circuit
- UL Listed NEMA 4X enclosure

## Applications

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

**DITEK's Total Surge Solution (TSS)** is a range of products that provide total surge protection 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.

## Technical Specifications

<b>Service Voltage:</b>	120VAC
<b>MCOV:</b>	150VAC
<b>Protection Modes:</b>	All modes (L-G, L-N, N-G)
<b>Voltage Protection Rating:</b>	600V L-G, L-N, 1,000V N-G
<b>Surge Current Rating:</b>	50,000 Amps
<b>Max. Continuous Current:</b>	20 Amps
<b>SCCR:</b>	10kA
<b>Nominal Discharge Current Rating:</b>	10kA
<b>EMI/RFI Filtering Attenuation:</b>	Up to 35dB, 100kHz -100MHz

## Mechanical Characteristics

<b>Connection Method:</b>	Hardwired, series configuration
<b>Housing:</b>	Polycarbonate NEMA 4X (IP66) UL94 Flammability Rating
<b>Operating Temperature:</b>	-40°F - 185°F (-40°C - 85°C)
<b>Maximum Humidity:</b>	95% non-condensing
<b>Dimensions:</b>	9.5"L x 6.25"W x 3.63"H (241mm x 159mm x 92mm)
<b>Weight:</b>	1.8lb (0.45kg)

## Quality, Standards & Approval

<b>Agency Approvals:</b>	UL1449 4 <sup>TH</sup> Edition, cUL, UL1283
<b>SPD Type:</b>	Type 2 SPD
<b>Standards Compliance:</b>	IEEE C62.41.1 -2, IEEE C62.45
<b>Warranty:</b>	Ten Year Limited Warranty

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