DTK-HW Series

Type 1 Surge Protective Device



DITEK's DTK-HW Series of surge protective devices are designed and manufactured to meet the standards of the life safety industry. These compact, parallel-mount SPDs are available for 120V, 240V and 120/240V configurations, and are widely used to protect fire alarm panels and other dedicated branch circuit loads. Their small footprint enables installation in a variety of locations.

PRODUCT FEATURES

- 50,000A surge current rating ensures long service life
- Compact size enables close mounting to the protected panel
- Diagnostic LED provides positive indication of system power and SPD function
- NEMA 4X polycarbonate enclosure
- Available in 3 voltage configurations
- UL 1449 Listed Type 1 SPD

APPLICATIONS

- Fire Alarm Control Panels
- Gate Motors
- Control Panels
- Highway Lighting
- LED Lighting

ACCESSORIES

- Flush mount kit P/N DTK-FMK

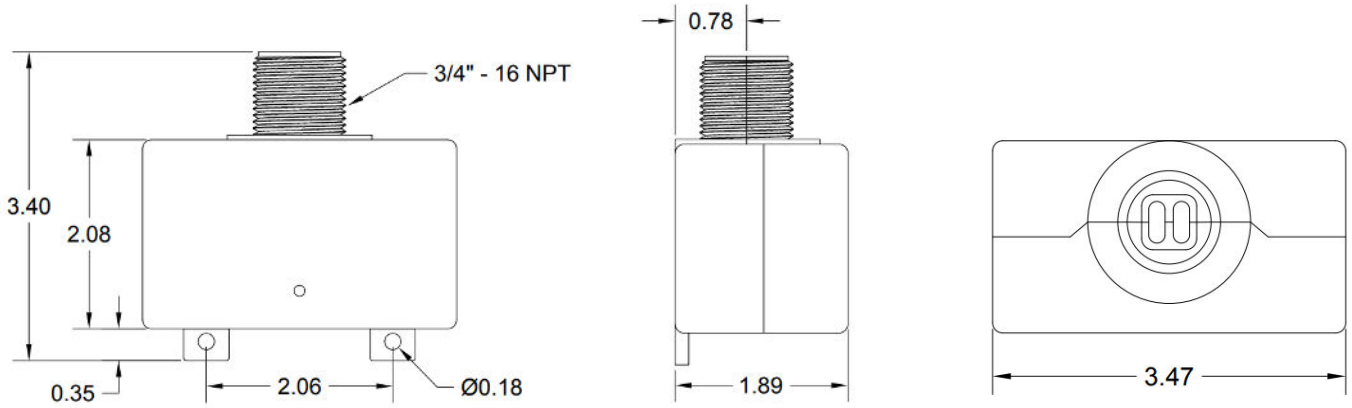
TECHNICAL SPECIFICATIONS	
Voltage Configurations:	See chart on page 2
Surge Current Rating:	50,000A
Short Circuit Current Rating (SCCR):	100,000A
Operating Frequency:	50/60Hz
Status Indication:	LED
Recommended Circuit Breaker:	20A single or multi-pole

Every precaution has been taken to ensure that this is accurate and complete. DITEK Corporation assumes no responsibility and disclaims all liability for damages resulting from the use of this information or for any errors or omissions.

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Part Number	Voltage	Service	MCOV	I_n Rating	Voltage Protection Rating (VPR)			
					L-L	L-N	L-G	N-G
DTK-120HW	120Vac	Single Φ (2w + G)	150V/300V	10kA	N/A	700V	700V	1500V
DTK-120/240HW	120/240Vac	Split Φ (3w + G)	150V/300V	10kA	1500V	700V	700V	1500V
DTK-240HW	240/277Vac	Single Φ (2w + G)	320V/640V	10kA	N/A	1200V	1200V	2000V



MECHANICAL SPECIFICATIONS	
Connection Method:	¾” NPT male hub 18-inch 12 AWG wire leads
Housing:	NEMA Type 4X polycarbonate
Operating Temperature:	-31°F – 176°F (-35°C – 80°C)
Maximum Humidity:	95% non-condensing
Dimensions:	3.47 in. L x 2.08 in. W x 1.89 in. H (88 mm x 53 mm x 48 mm)
Weight:	8.8 oz (249g)

SAFETY STANDARDS AND CERTIFICATIONS	
Certifications:	UL 1449 5th Edition Type 1 SPD CSA C22.2 No. 269.1-17, 2017-02 Type 1 SPD
Standards Compliance:	RoHS
Warranty:	10 Year Limited Warranty

DITEK Surge Protection, Largo, FL 33771 • Sales: 800-753-2345
Diteksurgeprotection.com • SPS-100057-001 Rev 21 05/26

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