



# DTK-120/240CMX

50kA Surge Protective Device



**DITEK's DTK-120/240CMX** is a premium surge protective device that is designed and manufactured with the latest protection technology. This compact, parallel-mount SPD is specifically designed for 120/240V split phase systems, and is widely used to protect HVAC systems and residential electrical panels. The small footprint enables installation in a variety of locations and the optional flush mount kit allows installation next to recessed electrical panels.

## PRODUCT FEATURES

- 50,000A surge current rating ensures maximum performance
- Compact size enables close mounting to the protected equipment
- Diagnostic LED provides positive indication of system power and SPD function
- NEMA Type 4X polycarbonate enclosure
- UL 1449 Listed Type 1 SPD
- \$7,500 3-year residential connected equipment warranty

## APPLICATIONS

- Residential Electrical Panels
- Condensing Units
- Air Handlers
- Ductless HVAC Systems
- Pool Control Panels

## ACCESSORIES

- Flush mount kit P/N DTK-FMK

## TECHNICAL SPECIFICATIONS

|   |                                  |
|---|----------------------------------|
| Service Voltage:                            | 120/240Vac Split $\Phi$          |
| Surge Current Rating:                       | 50,000A                          |
| Short Circuit Current Rating (SCCR):        | 100,000A                         |
| Nominal Discharge Current Rating ( $I_n$ ): | 20kA                             |
| MCOV:                                       | 150V/300V                        |
| Voltage Protection Rating (VPR):            | 600V Line-Ground 1000V Line-Line |
| Operating Frequency:                        | 50/60Hz                          |
| Status Indication:                          | LED                              |

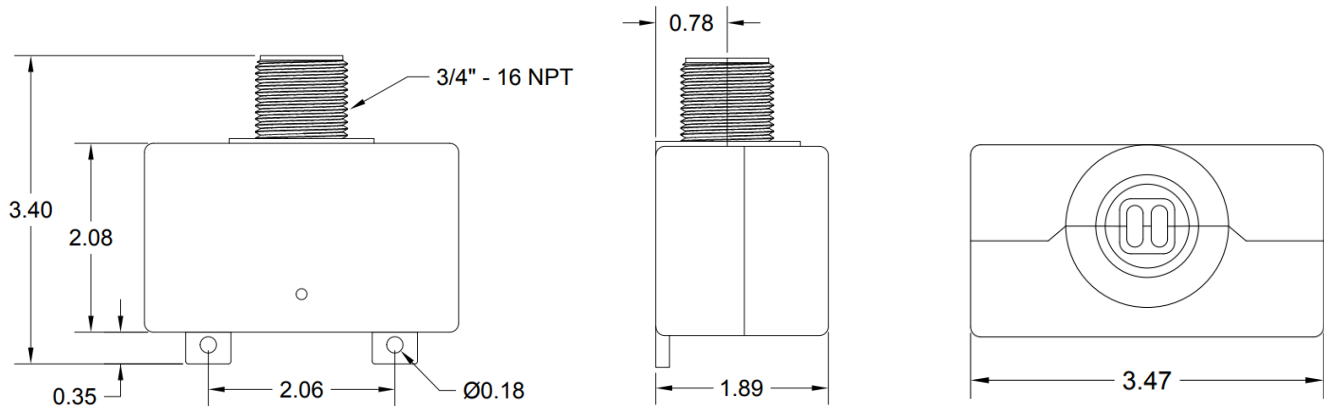
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| MECHANICAL SPECIFICATIONS |   |
|---------------------------|---|
| Connection Method:        | 3/4" NPT male hub 18-inch 12AWG wire leads                      |
| Housing:                  | NEMA Type 4X polycarbonate                                      |
| 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<br>(88 mm x 53 mm x 48 mm) |
| Weight:                   | 8.8 oz. (249g)  |

| SAFETY STANDARDS AND CERTIFICATIONS |  |
|-------------------------------------|--|
| Certifications:                     | UL 1449 5 <sup>th</sup> Edition Type 1 SPD<br>CSA C22.2 No. 269.1-17, 2017-02 Type 1 SPD |
| Standards Compliance:               | RoHS   |
| Warranty:                           | 10 Year Limited Warranty<br>3 Year \$7,500 Residential Connected Equipment               |