



Are You NEC Compliant?

Electrical Code Updates for Residential Protection

A significant addition to the National Electrical Code (NEC) in 2020 called for surge protection in residences. Article 230.67 stipulates that all electrical services to dwellings must have surge protective devices (SPDs) installed at or near the service entrance, and the SPDs "shall be an integral part of the service equipment or shall be located immediately adjacent thereto." In 2023, this code was updated to define "dwelling units."

While the new codes recommend at least one SPD for whole-home surge protection, best practice for total protection of a home or other property includes a layered approach with SPDs positioned at multiple locations between the supply line and user devices. This multi-pronged approach provides optimum protection for the most sensitive electronics and appliances.

The National Electrical Code (NEC) is a code produced by the National Fire Protection Association which provides the foundation for electrical safety in residential, commercial and industrial environments to protect both persons and property.

REDUCE DOWNTIME

EXTEND EQUIPMENT LIFE

IMPROVE CUSTOMER SATISFACTION

Protection solutions

DTK-120/240HD2



WHOLE HOME SURGE PROTECTIVE DEVICE (120/240V)

Type 1 SPD | 20kA In | UL1449

- 100kA/phase surge current rating
- TPMOV® technology
- Optional flush mount kit
- 5-year $25,000 residential connected equipment warranty

DTK-120/240HD



WHOLE HOME SURGE PROTECTIVE DEVICE (120/240V)

Type 1 SPD | 20kA In | UL1449

- 50kA/phase surge current rating
- TPMOV® technology
- Optional flush mount kit
- 5-year $10,000 residential connected equipment warranty

DTK-120/240XD



WHOLE HOME SURGE PROTECTIVE DEVICE (120/240V)

Type 1 SPD | 20kA In | UL1449

- 50kA/phase surge current rating
- Compact enclosure
- Optional flush mount kit
- 5-year $10,000 residential connected equipment warranty

DTK-120/240BK1



WHOLE HOME SURGE PROTECTIVE DEVICE (120/240VAC)

Type 2 SPD | 20kA In | UL1449

- 50kA surge current rating
- Plug-on circuit breaker installation
- UL Classified for specific load centers
- 5 Year $25,000 residential connected equipment warranty

DTK-120/240CM+



HVAC AND POOL PANEL SURGE PROTECTIVE DEVICE (120/240V)

Type 1 SPD | 10kA In | UL1449

- 25kA/phase surge current rating
- Compact enclosure
- 3-year $7,500 residential connected equipment warranty

DTK-LVLP Series



LOW VOLTAGE & THERMOSTAT WIRE PROTECTION

5kA In | UL497B

- 2- and 4-pair models available
- Voltage options from 5v up to 130v
- Ideal for low voltage signal and telecom wiring

DTK-MRJPOES



ETHERNET & POE SURGE PROTECTION

- Protects one Ethernet or PoE channel
- RJ45 female in/out
- Rated to pass up to 10Gbps

DTK-7VS



120VAC – 15A, 7 OUTLET POWER STRIP WITH LOAD SENSING TECH

Illuminated load status indicator – uses different colors for each level of load status

QUESTIONS?

Scan this QR code to learn more about NEC updates for residential surge protection.

SALES 800-753-2345
TECH SUPPORT 888-472-6100
DITEKSurgeProtection.com

RoHS Compliant

DITEK® Surge Protection

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