



DTK-FPK3

Fire Alarm System Power And Dialer Surge Protection General Product Specifications

Fire Protection Kits from DITEK are designed for commercial alarm professionals specializing in fire detection systems. The FPK3 provides premium AC power and dialer protection in a convenient kit.

The DTK-120S20A protects and filters AC power. Its diagnostic LEDs indicate AC power, unit operation, fuse status, and ground presence. The DTK-2MHTPW is a two-pair hybrid dialer protector, with a replaceable surge module and hardwire base.



DTK-FPK3

Product Description

DTK-FPK3

- 120S20A Series Installation AC Surge Protector
 - Four stages of protection, in series with the electrical supply for maximum protection
 - 39,000 A peak surge current capacity, 20A max operating current
 - Provides AC power protection for alarm power supply at alarm panel
 - Fuse is user-replaceable
 - Diagnostic indicators confirms ground presence, unit function, AC power, and fuse integrity
- 2MHTPW
 - Two-pair 130V dialer protection
 - 10,000A per pair peak surge current capacity, 5A max operating current
 - Replaceable module, hardwire base

Warranty (All Products): 10 Year Limited Warranty

Note: See FPK3 complete datasheet set for individual product specifications





DTK-120S20A Series Surge Protection

*39kA/Φ Series Connected Surge Protector
General Product Specifications*

DITEK's 120S products protect power on 120V electrical circuits. The hybrid series design provides maximum critical load protection, with EMI/RFI filtering. Series installation eliminates the need to dedicate a circuit breaker for surge protection, while allowing installation flexibility. The 120S20A meets stringent government and military specs for fire panel applications, and is suitable for use on any critical 20 Amp load.



DTK-120S20A

Application Features

- Series design for fast response and best protection
- Four-stage hybrid circuit design
- User replaceable fusing for quick fault recovery
- EMI/RFI filtering included
- Compact design fits a variety of equipment cabinets
- Screw terminal connections with safety covers
- LEDs indicate protection status, ground presence, ground fault indication and fuse status

Product Features

Agency Approvals: Tested by Wyle Labs to UL1449, 2nd Edition 2007 criteria

Service Voltage: 120V

MCOV: 150VAC

Continuous Current: 20A

EMI/RFI Attenuation: >56dB, 100kHz-100MHz

Protection Modes: L-N, L-G, N-G

Suppressed Voltage Rating: 500V

Temperature Range: -40°F – 185°F (-40°C-85°C)

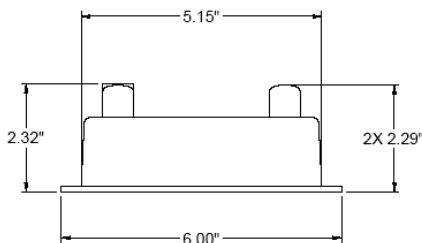
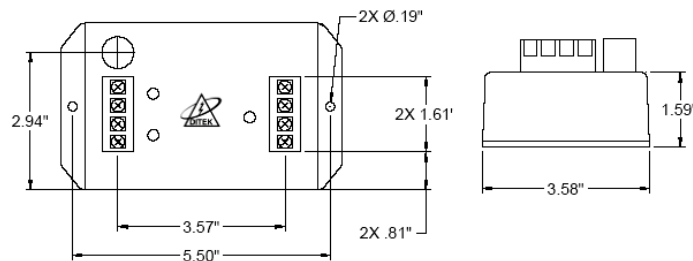
Dimensions: 6.00" x 3.58" x 2.32"
(152mm x 91mm x 59mm)

Weight: .55lb (.25kg)

Housing: ABS

Warranty: Ten Year Limited Warranty

Line Diagram





DTK-2MHTP

Modular Voice Line Surge Protection General Product Specifications

DITEK's **2MHTP** voice surge protectors provide robust protection in a compact package. Designed for ease of installation, with convenient field-replaceable modules, the **2MHTP** protects two telco circuit pairs per module.



DTK-2MHTP

Application Features

- Three-stage hybrid design delivers high peak surge current capacity and reliable voltage clamping for peak protection
- Hard-wire mounting base
- Field replaceable, hot swappable, modular edge card connection design
- Designed to protect 130V voice/data circuits
- Two pairs protected per module; when used with mounting base (DTK-MB10) modules can be ganged to protect up to ten pairs with a common ground

Selection Guide

DTK-2MHTP

DTK-2MHTPW (with mounting base)

DTK-MB10: Hardwire Mounting Base

Product Features

Connection Method – Module: Plug into 10 position edge card base

Connection Method – Base: 12 AWG stranded wire maximum screw terminals

Continuous Current: 150mA

Max Surge Current: 24.5 KA (8/20 μ s)

Protection Mode: L-G (All)

Response Time: \leq 5 nanoseconds

MCOV: 130VDC

Typical Clamp: 184-224VDC

Dimensions

– **Module:** 2.1" x 1.6" x 1.0"

(53mm x 41mm x 25mm)

– **Module with Base:** 4.5" x 1.75" x 3.00"

(114mm x 45mm x 76mm)

Weight: .6 oz (18g) without base; 1.2 oz (36g) with base

Housing: ABS

Warranty: Ten Year Limited Warranty

