



DTK-1F31X, DTK-AC31X

Alarm Dialer Surge Protection General Product Specifications



DTK-1F31X



DTK-AC31X

DITEK's 1F31X and AC31X surge protectors were designed with input from professional alarm system installers. Both the 1F31X and AC31X protect AC power to alarm control panels and RJ31X dialer circuits. The 1F31X is designed for use with alarm panels that connect directly to 120V AC power; its extra-length retention screw secures the alarm panel transformer. The AC31X is designed for use with hard wired alarm systems, where the transformer is separate from the alarm panel.

Common Application Features

- Protects dialer circuit – terminal strip connection
- Protects 120V power (1F31X) or 24V power (AC31X)
- Automatic reset to protect against repeated surges

DTK-1F31X

Technical Specifications

Agency Approvals: UL 1449, 3rd Edition, cUL

Protector Type: SPD Type 3

Service Voltage: 120VAC Power, <105VAC Telco

MCOV: 130VAC, Power and Telco

Connection Method: NEMA 5-15 (Power),
Screw Terminal (Telco)

Max Continuous Current: Power – 15 Amps
Telco – 150 milliamps

Peak Surge Current: 13,500 A Power, 240 A Telco

Protection Modes: Power – L-N, L-G, N-G
Telco – Line-Ground (All)

Operating Temperature: -40°F - 158°F (-40°C - 70°C)

Maximum Humidity: 95% non-condensing

Dimensions: 2.7" x 1.85" x 1.25"
(69mm x 47mm x 32mm)

Weight: 4oz (113g)

Housing: ABS

Warranty: Ten Year Limited Warranty

DTK-AC31X

Technical Specifications

Agency Approvals: FCC Part 68 Compliant

Service Voltage: 24VAC Power, <105VAC Telco

MCOV: 30VAC Power, 130VAC Telco

Connection Method: Screw Terminal (Power),
Screw Terminal/RJ31X (Telco)

Max Continuous Current: Power – 5 Amps
Telco – 150 milliamps

Peak Surge Current: 200 A Power, 300 A Telco

Protection Modes: Power & Telco – Line-Ground (All)

Operating Temperature: -40°F - 158°F (-40°C - 70°C)

Maximum Humidity: 95% non-condensing

Dimensions: 4" x 1.75" x 1.25"
(102mm x 44mm x 32mm)

Weight: 4oz (113g)

Housing: ABS

Warranty: Ten Year Limited Warranty

