



LVLV Series

Voice, Data and Signaling Circuit Surge Protection General Product Specifications

DITEK's Low Voltage Line Protector series of signal, data and loop circuit surge protectors provide strong protection in a compact hard wire package. Applications include protection of 4-20mA current loops, alarm panel NAC, SLC and IDC loops, and burglar alarm panels. Models are available to protect 1, 2, 4 or 8 pairs. LVLAWG models can handle #14-#10 AWG wiring connections.



DTK-LVLV

Application Features

- Series connection, parallel function adds no resistance to loop circuits
- Protect 1, 2, 4 or 8 pairs to match your configuration needs
- Seven voltage levels available to protect all types of voice/data/loop applications
- "SCP" model provides automatically resetting fusing and sneak current protection

Specifications

Agency Approvals: UL497B, UL497A

Connection Method: #22-#16 AWG screw terminals (LVLV), #14-#10 AWG screw terminals (LVLAWG)

Max Continuous Current: 5 Amps, 0.15 Amps (-SCP)

Max Surge Current: 2,000 Amps per pair (6V-50V)
9,000 Amps per pair (75V-130V)

Protection Modes: Line-Ground (All)

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

Maximum Humidity: 95% non-condensing

Dimensions: 1LVL-4LVL – 1.6"H x 3.0"W x 1.6"D
(41mm x 76mm x 41mm)

8LVL – 1.5"H x 4.8"W x 2.3"D
(35mm x 122mm x 58mm)

Weight: 2.4oz (68g)

Housing: ABS

Warranty: Ten Year Limited Warranty

Accessories: DIN Rail Kit – Part Number DTK-DRK

Selection Guide

DTK- ##LVL# ##

SAD-Based: "Z"

Number of Pairs:: 1, 2, 4, 8

Wire Gauge: "P" for #22-16, "AWG" for #14-10

Sneak Current Protection: .15A current, "SCP"

Voltage Level: D, X, LV, OPX, SPK, SGR, RUV
(see table below for voltage ranges)

Example: DTK-4LVLVPCPD

Example: DTK-2LVLVWGRUV

Example: DTK-Z4LVLPLV

Note: Not all options are available in 1, 2, 4 and 8 pair configurations. Contact your DITEK rep to confirm availability before ordering.

Performance Data

| Model DTK-LVL# | Service Voltage | MCOV | Clamp Voltage |
|-------------------|--------------------|--------|------------------|
| D | 0-6 V | 8VDC | 12V |
| X | 14 V | 18VDC | 22V |
| LV | 30 V | 38VDC | 47V |
| OPX | 50 V | 66VDC | 82V |
| SPK | 75 V | 102VDC | 120V |
| SGR | 95 V | 127VDC | 150V |
| RUV | 130 V | 175VDC | 204V |

