

# POE Surge Protector



The SP-POE-01 is a single port, Ethernet surge protector designed to protect all 8 lines used in a standard CAT5e cable. The product is compatible with 10/100 BaseT networks and 48V Power-over-Ethernet systems. The Standard 802.11af allows the methods of implementing PoE: The SP-POE-01 applies data to the pairs (pins 1/2 and pins 3/6) and power to the unused pairs (pins 4/5 and pins 7/8). The SP-POE-01 offered protection is provided on all 8 Ethernet pins (6.8V clamping on Data pins 1,2,3,6 and 53V clamping on POE pins 4,5,7,8). Network connections are made via standard female RJ45 connectors. Grounding is accomplished via a ground wire.

## Features

- 10/100Mbps data rate
- Compatible with 48V power over Ethernet systems
- 6.8V Data / 53V POE clamping voltage
- 5KA surge discharge current
- CAT5 and CAT5e compatible. All 8 pins protected.
- Integral mounting feet and separate ground wire
- Shielded RJ45 jacks and metal enclosure for EMI noise suppression

## POE Surge Protector

# SP-POE-01

## Specifications

Voltage	Data 5V ; POE 48V
Clamping Voltage	6.8V Data (Pins 1,2,3,6) 53V POE (Pins 4,5,7,8)
Max Surge Discharge Current	5KA (8/20uS)
Peak Pulse Current	100A (10/1000uS)
Pins Protected	Data : 1, 2, 3, 6 POE : 4, 5, 7, 8
Insulation Lost	< 0.5dB (10Mbps)
Data Rate	10/100 Mbps
Response Time	line/line <1 ns; line/ground < 100ns
Operating Temperature	-20°C ~ +75°C
Storage Temperature	-40°C ~ +85°C
Operating Humidity	0% ~ 95% non condensing
Size	106.2 x 37.6 x 25.6 mm (L x W x H)
Weight	75 g



## Ordering Information

### Model Name Description

<b>SP-POE-01</b>	1-port RJ45 10/100BaseT POE Ethernet Surge Protector (Data: 1,2,3,6. POE: 5,6,7,8)
<b>SP-POE-08</b>	8-port RJ45 10/100BaseT POE Ethernet Surge Protector (Data: 1,2,3,6. POE: 5,6,7,8)
<b>SP-POE-16</b>	16-port RJ45 10/100BaseT POE Ethernet Surge Protector (Data: 1,2,3,6. POE: 5,6,7,8)
<b>SP-POE-24</b>	24-port RJ45 10/100BaseT POE Ethernet Surge Protector (Data: 1,2,3,6. POE: 5,6,7,8)

SP-POE –

Example: SP-POE – 01



A surge protector is an appliance designed to protect electrical devices from voltage spikes. A surge protector attempts to regulate the voltage supplied to an electric device by either blocking or by shorting to ground voltages above a safe threshold. The TSP-10 will ensure the reliable operation of POTS based equipment such as telephones, FAX machines and dialup modems.

## Features

- Protect FAX and dialup modems from surges on telephone lines
- Control transient over voltage to a low level to ensure maximum protection for your equipment
- LED indicator flashes for ring indication and lights during device off-hook operation
- Meet UL 1449

## Telephone Surge Protector

# TSP-10

## Specifications

Surge current	8 x 20u sec of 500A
DC spark over voltage	160 ~ 240VDC
Dimensions	80 x 30 x 27mm (D x W x H)
Weight	20g
Compliance	UL 1449 (2nd Edition)



## Ordering Information

### Model Name Description

<b>TSP-10</b>	In Line Telephone Surge Protector with RJ-11 Jacks
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