



# SP-CAT5-6V

## CATx Surge Protector

### Features

- Protects sensors running on CATx unshielded twisted pair (UTP) cable against the effects of electrostatic discharge, faulty wiring and lightning.
- The use of two protectors on each end of the line will provide increased protection for each end against surges.
- Protected pins: (1,2) (3,6) (4,7) and (7,8) pass through.
- Impedance: 85 to 115 Ohms
- Surge suppression: 22Vpeak @ 100A 10/1000µs
- Maximum continuous voltage: 6Vpeak
- Dimensions WxDxH: .960x3.72x0.910 in (24x94.5x23 mm)
- Regulatory approvals: GR 1089, NEC 800.100 and 830.100, ITU 703, UL94 V0 Flame Rated.
- Compatible with the E-MINI-LXO and E-MICRO

### Installation

This product is intended for use only as a secondary protector on data circuits. Mount the module(s) as close to the equipment being protected as possible.

#### Mounting the SP-CAT5-6V:

**DIN Rail Mounting:** Attach the mounting clip on the module to a piece of 35mm DIN rail. To remove the module, lift up on the lever portion of the mounting clip.

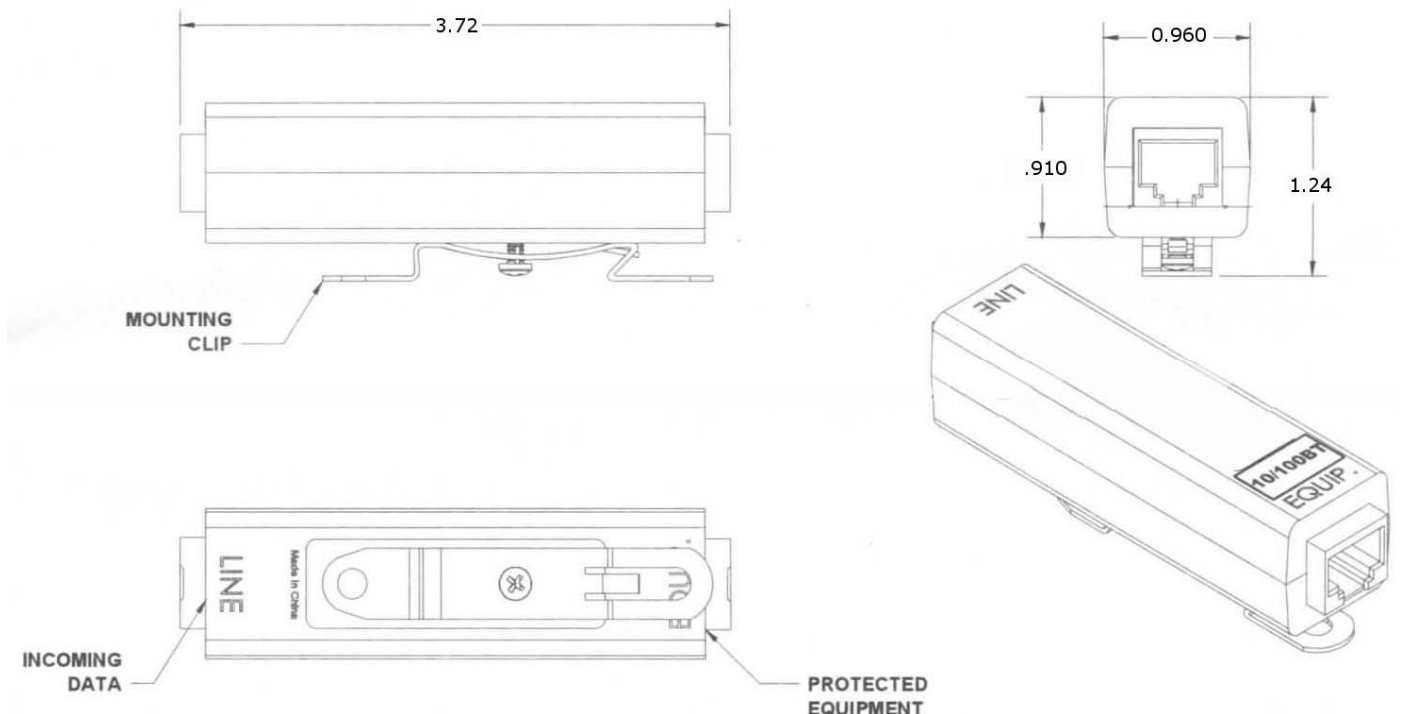
**Wall Mounting:** Rotate the mounting clip on the module to expose the auxiliary mounting hole. Attach the module to the desired surface using the auxiliary mounting hole and a #8 screw (not provided).

#### Wiring:

1. Connect the mounting clip of each mounted module to a nearby grounded location using the shortest wire length possible.

**The SP-CAT5-6V module must be grounded for proper operation!**

2. Connect the incoming data line to the connector labeled "LINE".
3. Connect the outgoing data line to the connector labeled "EQUIP".



UNITS: Inch

Performance		Environmental	
Protocol	GbE	Humidity	99% non-condensing
Data Rate	10/100/1000 Mb/s	Operating/Storage Temperature	-40° C to +75° C
Pins Protected	(1,2) (3,6) (4,5) and (7,8)	Enclosure Rating	UL 94V-0
Nominal Voltage	3.3 Vpeak		
Maximum Continuous Operating Voltage	6 Vpeak		
Surge Suppression	<22 Vpeak @ 100A 10/1000µs		

Mechanical	
Input/Output Connector	RJ-45
Module Dimensions W x D x H	.960" x 3.72" x .910" (24mm x 94.5mm x 23mm)
Module Weight (Max)	1.5 lbs (0.7 kg)

**NOTE: This product is not compatible with the E-16D/5D/2D ENVIROMUX models.**

## Warranty Information

The warranty period on this product (parts and labor) is two (2) years from the date of purchase. Please contact Network Technologies Inc at **(800) 742-8324** (800-RGB-TECH) or **(330) 562-7070** or visit our website at <http://www.networktechinc.com> for information regarding repairs and/or returns. A return authorization number is required for all repairs/returns.

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### CHANGES

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