## **AC Power Surge Protection Device**

ITEM NO.: SP001P-AC110, SP001P-AC220



#### Features:

- Performs a different function than grounding requirements.
- Providing protection against lightning stroke for AC power loops.
- Protects equipment from high voltage surges from nearby lightning strikes.
- Providing protection for equipments or instruments with power consumption below 10Amp.

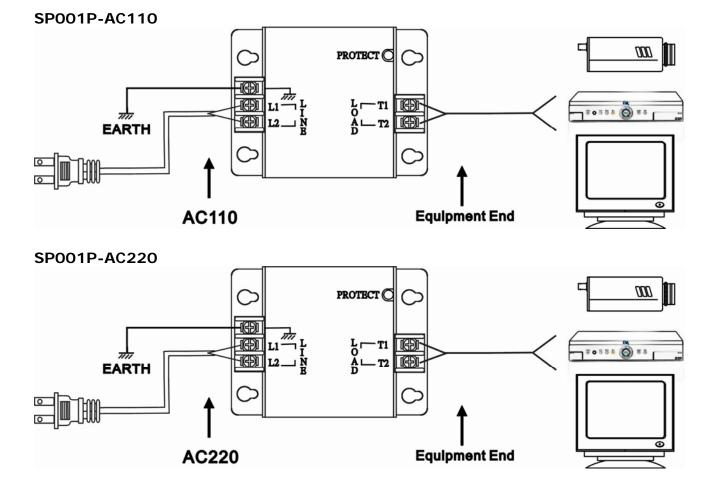
#### SP001P-AC110 AC Power Surge protection Device Terminal Connector

- Terminal connector to terminal connector.
- Application for protect AC100-120V

#### SP001P-AC220 AC Power Surge protection Device Terminal Connector

- Terminal connector to terminal connector.
- Application for protect AC220-240V.

### **Installation View:**



# **Installation Instruction:**

- 1. Connect the protected equipment to "LOAD" T1 · T2 terminal.
- 2. Connect AC power cord to "LINE" L1 \ L2 terminal.
- 3. The all terminals without voltage polarity restrictions.
- 4. To ensure the effective protection of your equipment, the ground terminal "E" must be grounding and grounding resistance should less  $100\Omega$ .

## **LED Indication:**

LED on: normal
LED off: failed

## Caution:

Make sure the grounding terminal "E" connect to the lightning protection grounding. Do not access to the power ground wire, ground rod, and gas pipelines

### Specification:

ITEM NO.		SP001P-AC110	SP001P-AC220
Nominal peak voltage	Wire	>150V	>300V
	Wire~grounding	>150V	>300V
Surge Current Capacity		6000A (8x20uS)	
Surge Voltage Capacity		6,000V (1.2uS x 50 uS)	
Response time		<0.1uS	
Leakage current	Wire	<1mA (at150VAC)	<1mA (at300VAC)
	Wire~grounding	<1mA (at150VAC)	<1mA (at300VAC)
Max. Load Current		10Amp (Max)	
Temperature		Operation: 0 to 55 C, Storage: -20 TO 85 c, Humidity: up to 95%	
Connectors		Terminal	
Material		Metal Black	
Dimensions W x H x D mm		87 x 67 x 27 mm	
WEIGHT	g	130 g	

