# 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.

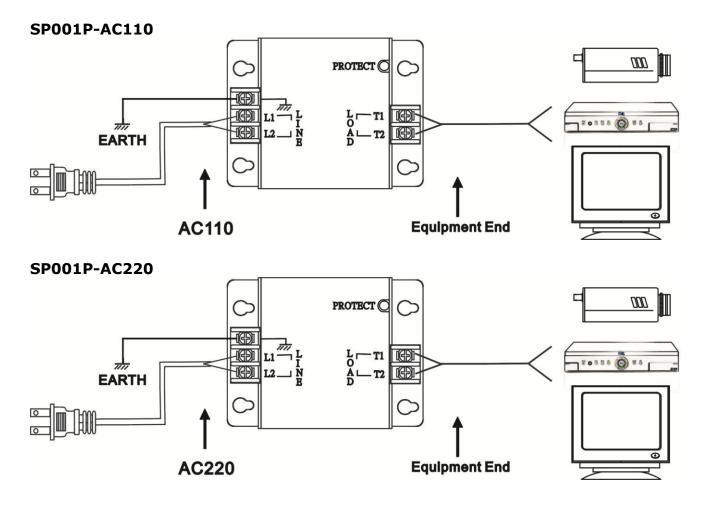
### SP001P-AC110 AC Power Surge protection Device Terminal Connector

- Terminal connector to terminal connector.
- Application for protect AC100-120V
- Providing protection for equipments or instruments with power consumption below 8Amp.

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

- Terminal connector to terminal connector.
- Application for protect AC220-240V.
- Providing protection for equipments or instruments with power consumption below 4Amp.

# 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:

- 1. LED on: normal
- 2. 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		6000V (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		<mark>8A (Max)</mark>	4A (Max)
Temperature		Operation: 0 to $55^{\circ}$ C, Storage: -20 to $85^{\circ}$ C, Humidity: up to $95\%$	
Material		Metal Black	
Dimension mm		67 x 87 x 28.5	
Weight g		140	

# Rohs (EFC C

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