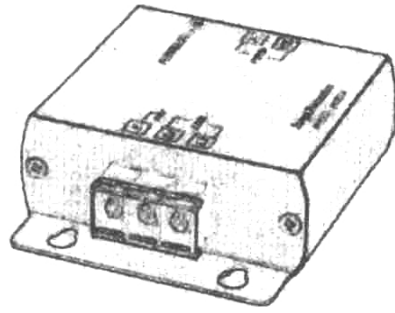


# AC Power Surge Protection Device

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

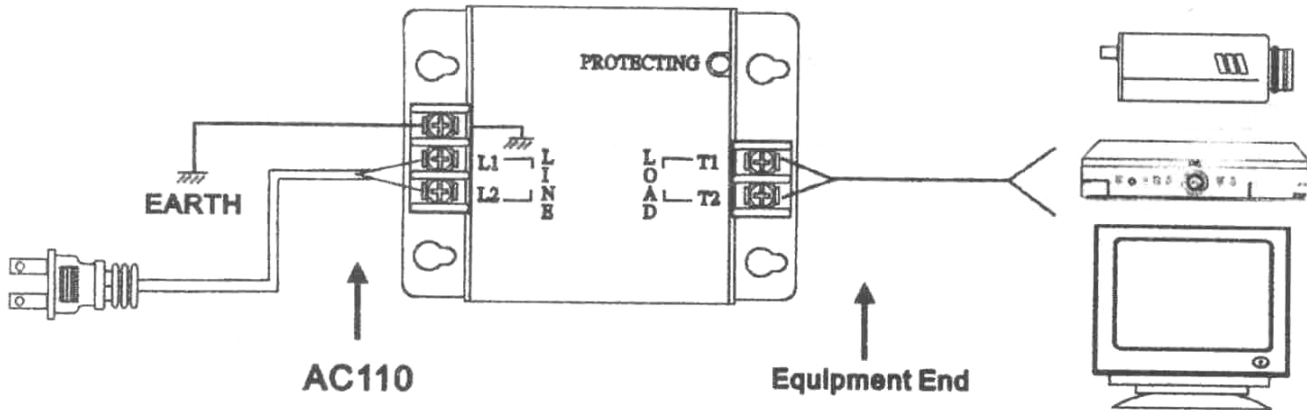
- Terminal connector to terminal connector.
- Application for protect AC100-120V

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

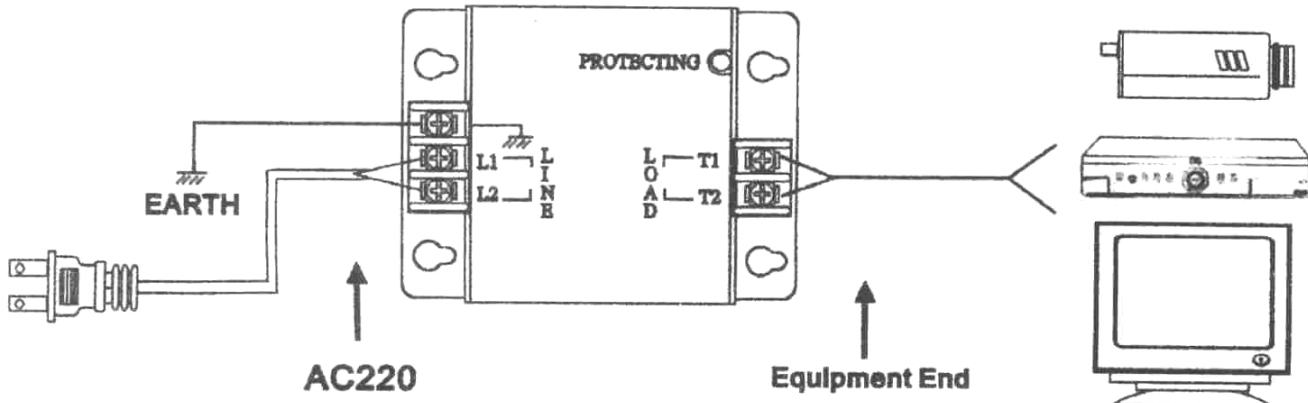
- Terminal connector to terminal connector.
- Application for protect AC220-240V.

## Installation View:

### SP001P-AC110



### SP001P-AC220



## 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 100Ω.

## 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      |                | 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   |                 |

RoHS CE FC 