# NETWORK / POE 16 Channel Surge Protection Device ITEM NO.: SP016N, SP016P



Application for protects equipment from high voltage surges such as lightning strikes. UL grounding requirements for coaxial cable offer protection from hazardous voltages that may occur on the shielding. Because of the physical length of ground wires, UL grounding systems may appear as an open circuit to lightning caused, high frequency surges and provide no protection from these surges getting into a home and destroying NVR, network, POE camera, POE hub devices etc.

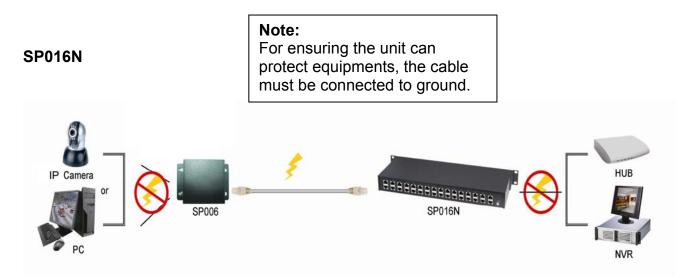
#### SP016N 16 Channel Network Surge Protector for NVR in 1U Rack Mounting Panel

- 16 x RJ45 Jack to 16x RJ45 Jack.
- 10/100/1000 Base-T CAT5/CAT5e compatible.
- Provide protection for NVR, network, PC modem, server or any computer equipment with multiple inputs protection.

#### SP016P 16 Channel POE Surge Protector for POE Hub in 1U Rack Mounting Panel

- 16 x RJ45 Jack to 16x RJ45 Jack
- Application for 16 channel POE hub (Power over Ethernet) protection.
- 10/100/1000 Base-T CAT5/CAT5e compatible.
- Support Mid-Span POE and End Span POE.
- 802.3af POE compatible.

#### Installation View:





## Specification

### SP016N

**SP016P** 

- Operating Temperature -40 to 85 °C
- Connectors: 16 x RJ45 to 16 RJ45
- Dimension: 483x170x 44mm standard 1U Rack Panel
- Weight: 2200 g

| Parameter                   | Symbol | Test Conditions                | Min | Тур  | Max  | Unit<br>s |
|-----------------------------|--------|--------------------------------|-----|------|------|-----------|
| Reverse Standoff<br>Voltage | VRWM   | IR≦1µA                         |     |      | 6.0  | V         |
| Reverse Voltage<br>Drop     | VR     | IR=1mA                         |     | 8.0  |      | V         |
| Reverse Leakage<br>Current  | ILEAK  | VR=5V                          |     | 0.1  | 0.5  | μA        |
| Clamp Voltage               | VC     | IPP=1A,tP=8/20µS,I/O to<br>GND |     | 8.8  | 10.0 | V         |
|                             |        | IPP=5A,tP=8/20µS,I/O to<br>GND |     | 11.5 | 13.0 | V         |
|                             |        | IPP=8A,tP=8/20µS,I/O to<br>GND |     | 13.2 | 15.0 | V         |
| Dynamic Resistance          | RDYN   | (VC2-VC1)/(IPP2-IPP1)          |     | 0.7  |      | Ω         |
| ESD Withstand Voltage       | VESD   | IEC61000-4-2 (Contact)         | ±20 |      |      | KV        |
|                             |        | IEC61000-4-2 (Air)             | ±30 |      |      | KV        |

#### SP016P

- Respective Peak Off StageVoltage V<sub>DRM</sub>@I<sub>DRM</sub>=5µ: 58V
- Switching Voltage V<sub>s</sub>@100V: 77 V
- Minimum Holding Current: 150 I<sub>H</sub> mA
- Switching Current: 800 Is mA
- On Stage Current: 2.2 I<sub>T</sub> A
- Operating Temperature -40 to 85 °C
- Connectors: 16 x RJ45 to 16 RJ45
- Dimension: 483x170x 44mm standard 1U Rack Panel
- Weight: 2200 g

