



## PT-PR02G

### Dual-Port PoE Surge Protector

#### Product Overview

PT-PR02G is Dual-port PoE surge protector, which has 4 pairs RJ45 ports can protect up to four separate Network cables. Each pair port can be PoE in or PoE out and supports 8 lines network signals and provides surge protection for PoE wires.

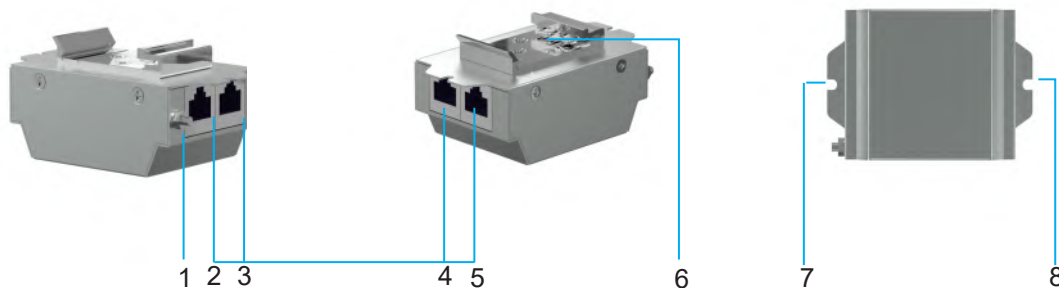
The maximum common mode surge voltage is 10KV(10/700us) and differential mode surge voltage is 1.5KV(10/700us). It supports 10/100/1000Mbps of data speed. It also supports PoE wires with IEEE802.3af/at/bt or PoE++ standard and protects your device against surge damage.

PT-PR02G is designed for indoor use with Zinc alloy shell, which works with 60Vdc Max voltage and operates under -40 °C to 85 °C. It is connected to network over Cat5e/Cat6 cables with RJ45 connector conveniently and tightly.

This model can be placed on desk or equip standard DIN rail mounting bracket which can easily jam into the guide rail. The bracket is very flexible which can be fixed on back or side. There are also wall mounting tabs on either side if you do not like it to be rail-mounted.



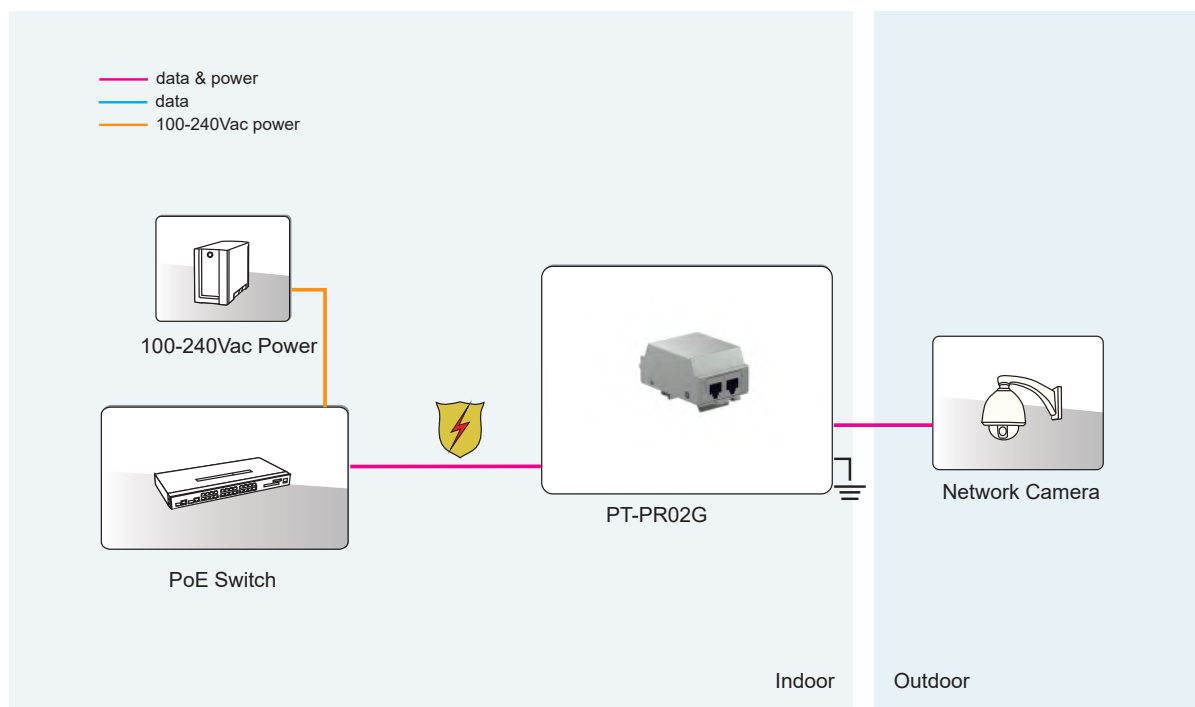
#### Product Profile



1. Earth  
2.3.4.5. Surge Protector Input Or Output Port

6.DIN Rail Mounting Bracket(Can be removed)  
7.8.Mounting tabs

#### Product Working Diagram



## Specification

### Standard

- IEEE802.3 10Base-T Ethernet
- IEEE802.3u 100Base-Tx Fast Ethernet
- IEEE802.3ab 1000Base-T Gigabit Ethernet
- Support PoE wire with IEEE802.3af/at standards
- Support 120W IEEE802.3bt and PoE++ standards
- RoHS Compliance
- WEEE Compliance

### Input & Output

- Operating Voltage: 60Vdc Max
- Maximum Operating Power : 120W Max
- Data Speed: 10/100/1000Mbps

### Working Environment

- Operating Temperature: -40℃ to 85℃
- Operating Humidity: 20% to 80%, non-condensation
- Storage Temperature: -40℃ to 85℃
- Storage Humidity: 10% to 90%, non-condensation
- Operating Altitude: up to 5000meters

### PoE Surge Protection

- Max Discharge Current: 10KA(8/20us,1.25KA per line)
- Protected Line: 1,2,3,4,5,6,7,8
- Common Mode Protection Level(10/700us): 10KV
- Differential Mode Protection Level(10/700us): 1.5KV
- Insertion Loss @10MHz/100MHz: -1db
- Return Loss @10MHz/100MHz: -20db
- Response Time: 5ns

### Mechanical Characteristics

- Case: Zinc alloy
- Color: Grey
- Mounting: DIN Rail mounted or Wall mounted
- IP Rated: IP40
- Size: 53.2mm X 86.6mm X 34.5mm
- Weight: 380g

### Safety Approvals

- CE

### EMI

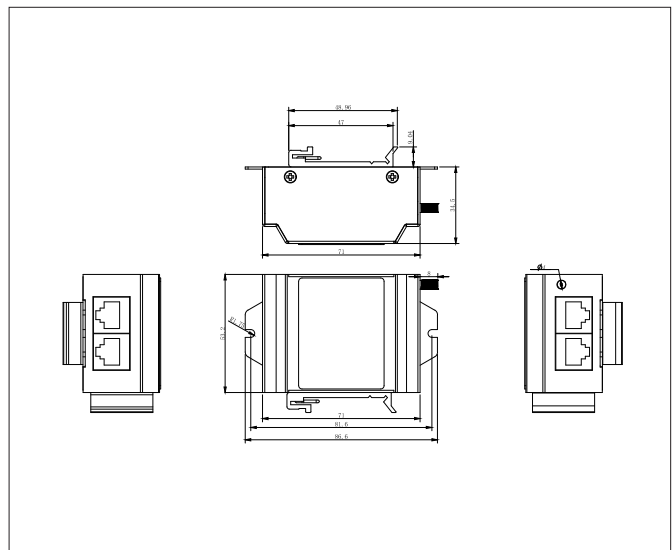
- FCC CFR47 Part 15, EN55032, EN55035

### EMS

- IEC61000-4-2(ESD)  $\pm 6kV$ (contact),  $\pm 8kV$ (air)
- IEC61000-4-3(RS) 10V/m(80MHz~2GHz)
- IEC61000-4-4(EFT) Power Port:  $\pm 2kV$ ; Data Port: $\pm 1kV$
- IEC61000-4-5(Surge) Power Port: $\pm 1kV/DM$ ,  $\pm 2kV/CM$
- IEC61000-4-6(CS) 10V(150kHz~80MHz)

### Immunity

- IEC60068-2-6(Vibration)
- IEC60068-2-27(Impact)
- IEC60068-2-32(Free Fall)



### Order Info.

PT-PR02G

Dual-Port PoE Surge Protector/60Vdc Max/1000Mbps/10KV Surge Protection

### Packing

PT-PR02G

DIN Rail Mounting Bracket

Ground lug Wire: 16AWG

Manual x 1

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