



PT-PR01G-10

# PoE Surge Protector

## Overview

PT-PR01G-10 is a single-port Ethernet surge protector. Enclosed in an Aluminum Alloy shell, with a silver color exterior, complemented by an anodized aluminum surface. Enhanced RJ45 socket exhibits minimal signal attenuation. High-quality Gas discharge tube(GDT). Withstand extreme environmental conditions within a temperature range of -40 to 85 degrees Celsius. Max Discharge Current: 10KA (8/20us, 1.25KA per line). Supports power of 120W, 60Vdc(max) Ethernet equipment.

PT-PR01G-10 can not only work with IEEE802.3af/at/bt/PoE++ standard devices, but also supports non-standard Ethernet equipment, that well protects your devices against surge damage. The common mode surge voltage exceeds 10KV(10/700us) and the differential mode surge voltage is 1.5KV(10/700us).

It supports not only 10/100/1000Mbps of data speed, but also 2.5GbE/5GbE/10GbE NBase-T.



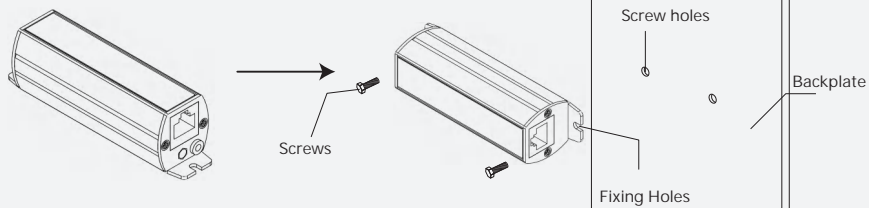
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## Product Working Diagram



### Wall-Mounting Installation



### Specification

|                            |  |
|----------------------------|--|
| Standard                   | IEEE802.3i 10Base-T Ethernet                               |
|                            | IEEE802.3u 100Base-Tx Fast Ethernet                        |
|                            | IEEE802.3ab 1000Base-T Gigabit Ethernet                    |
|                            | CE   |
|                            | IEEE802.3 af / at / bt / PoE++                             |
| Input & Output             | Operating Voltage : 60Vdc Max                              |
|                            | Max Discharge Current : 10KA ( 8/20us , 1.25KA per line )  |
|                            | Maximum Operating Current : 1A for 2 pairs, 2A for 4 pairs |
|                            | Maximum Operating Power : 120W Max                         |
|                            | Data speed : 10 / 100 / 1000Mbps/2.5G/5G/10G               |
| Operating Environment      | Operating Temp. : -40°C to 85°C                            |
|                            | Operating Humidity : 20% to 80%, non-condensation          |
| Mechanical Characteristics | Common Mode Protection Level(10/700us): 10KV               |
|                            | Differential Mode Protection Level(10/700us): 1.5KV        |
|                            | Case : Silver Aluminum alloy case                          |
|                            | IP Rated: IP40   |
|                            | Dimensions : 103mm X 28mm X 30mm                           |
|                            | Weight : 71.5g   |