

***Prostal***

**Model PSP-005POE**

**Gigabit PoE Surge Protector**

**Product Datasheet**



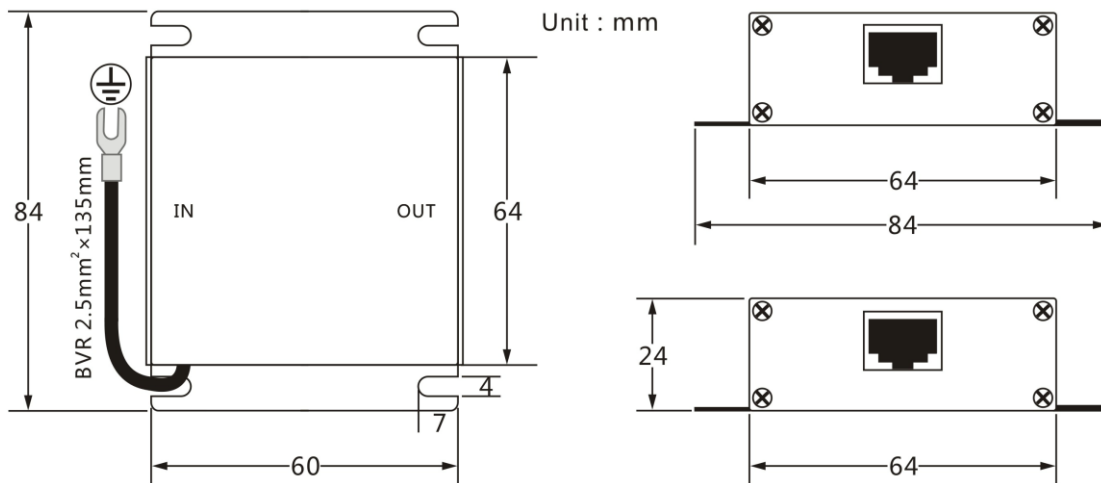
[www.prostal.com.tw](http://www.prostal.com.tw)

**PSP-005POE** is Gigabit PoE Surge Protector. It protects PoE cameras, PoE switches, servers, modem, network terminals and other network communication equipment in surveillance systems.

## Features

- ◆ Compatible for 10/100/1000Mbps network and power
- ◆ Support 1, 2, 3, 6 or 4, 5, 7, 8 power line protected at the same time
- ◆ Reasonable circuit design, very low insertion loss
- ◆ Special signal isolation technology, reduce surge strike for network devices

## Dimension



**Note: Dimension error value  $\pm 1$  mm**

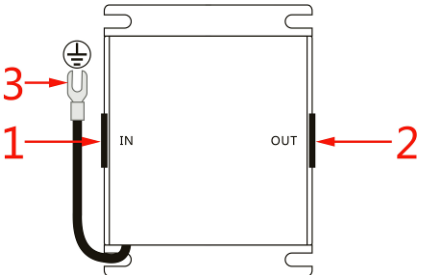
## Technical Parameter

Category	Description	
Signal Type	Network	Power
Interface Type	RJ45	
Working Voltage (Un)	6/12V	48V
Max. Continuous Operating Voltage (Uc)	≤20V	≤60V
Voltage protection level (Up @line-line)	20V@ 3kV (1.2/50)	60V@ 3kV (1.2/50)
Voltage protection level (Up @line-GND/PE)	800V@ 3kV (1.2/50)	
Nominal Discharge Current (In @8/20μs)	5kA	
Max. Discharge Current (Imax @8/20μs)	10kA	
Surge Life at 0.5kA (8/20μs)	>2000 events	
Bandwidth (3dB) per pair	250MHz	
Return Loss (100Ω)	-16dB	
Lightning protection	10kV@8/20μs, 10kV@10/700μs	
Transmission Rate (Mbps)	1000	
Response Time (ns)	≤1	≤25
Insert Loss (dB)	≤0.2	
Working Temperature	-40℃~+80℃	
Working Humidity	<95% Non-condensation	
Net Weight (g)	120	

## Installation Diagram



## Installation Instructions

	NO	Step
	1	Connect Cat5/6 cable to IN (1)
	2	Connect the protected device of PoE network devices and network switches to OUT(2)
	3	Connect ground lead (3) to the grounding device