speco technologies®

User Manual

Model: **SPPOEO**

High Performance Outdoor 1G PoE Surge Protector

Introduction

SPPOEO is an in-line surge protector designed to protect a valuable outdoor PoE (Power over Ethernet) device from high voltage surges, with network bandwidth up to 1000Mbps.
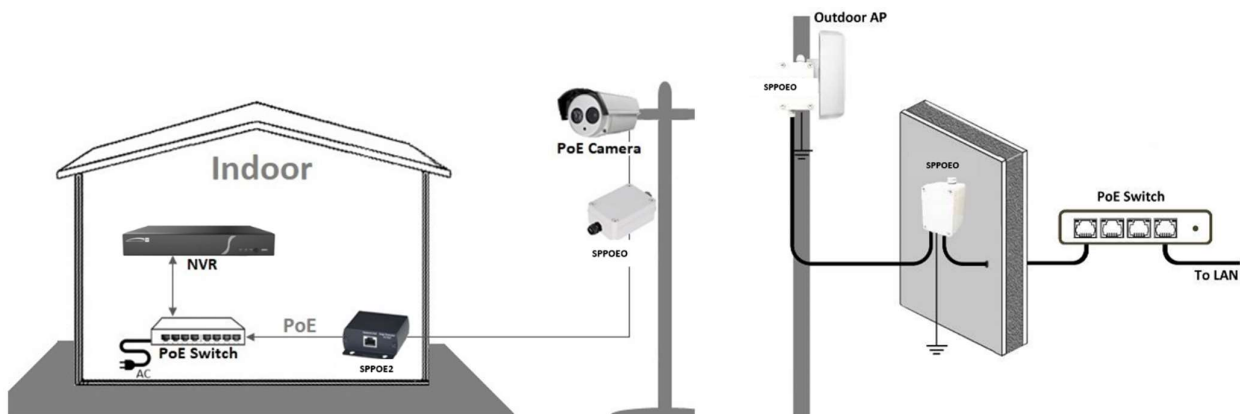
Features

- Supports bandwidth up to 1000 Mbps.
- Supports IEEE 802.3 af, 802.3 at, 802.3bt PoE standard.
- Supports Mid-Span and End Span PoE.
- Meets IP66 Waterproof rating.
- Response time less than 1 ns.

Applications:

- Outdoor PoE Cameras
- Outdoor APs
- Outdoor Network device
- Computer Control Rooms
- Server Farms
- Manufacturing Facilities
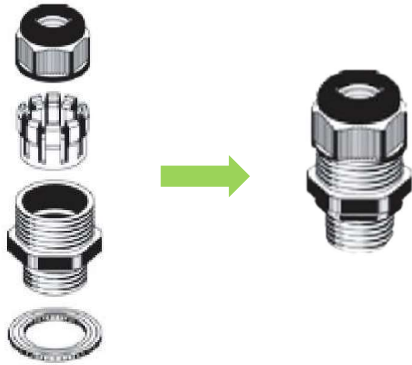- Transmitter and Receiver Stations

Installation View

Note:
To effectively protect the PoE device, ensure you connect the grounding wire to the ground.

Installation Guide:

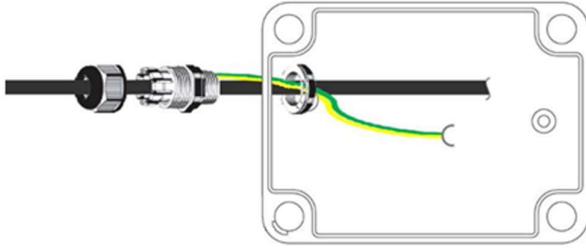| IP66 Waterproof Accessories		
#1		x 2
#2		x 2
#3		x 2
#4		x 2
#5		x 2
#6		x 1

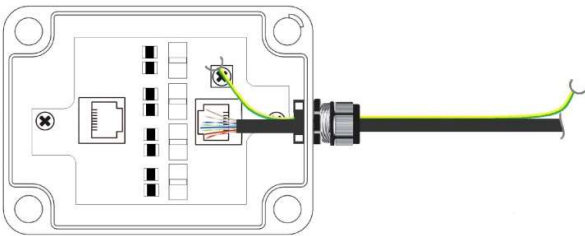1.   Assemble the waterproof connector.

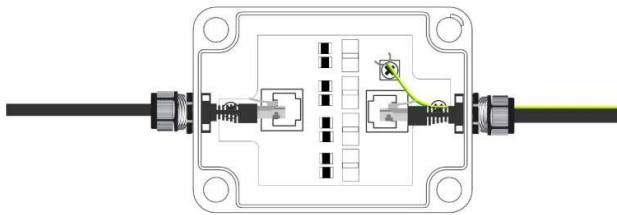2.   Put a network cable and grounding wire through the connector.

3.   Put the cable set into the waterproof case and use the screw nut (#5) to fix it from inside.
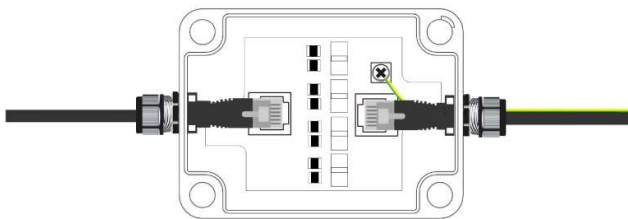

4.   Use TIA/ EIA-568-B standard to make a RJ45 connector.

5.   Connect the network cables to RJ45 connectors.
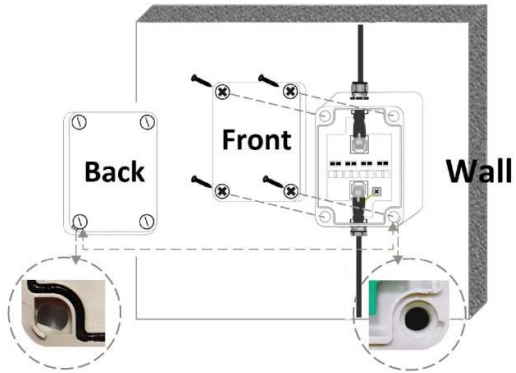

6.   Fix the grounding wire.

Note :
The position of grounding cable must be same as the left diagram.

7.   Put on the cover and screws to firmly fix the waterproof case.

Note:
Make sure the notch is matched.

Specifications

ITEM NO.	SPPOEO
Support	
Compliance	IEEE 802.3 af, 802.3 at, 802.3bt IEC 61000-4-5, IEC 61000-4-2, EN61000-4-5
Network Bandwidth	10/100/1000 Mbps
Response Time	Less than 0.7nS
ESD Protection	30KV (Air)/ 30KV(Contact)
Lightning Protection	10KA (8/20 us), 20KV (8/20 us)
Waterproof Rating	IP66
Ports & Interfaces	
Equipment End	1 x RJ45
Cable End	1 x RJ45
Ambient Temperature	
Operation	-40 to 158°F (-40 to 70℃)
Storage	-40 to 194°F (-40 to 90℃)
Humidity	Up to 95%
Physical Characteristics	
Dimensions	3.1 x 6.5 x 2.75" (80 x 166 x 70mm)
Weight	0.5 Lbs (230g)

RoHS CE

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