1000Mbps PoE Outdoor Surge Protector

Model: TXPOE648OUT

Thank you for choosing 1000Mbps PoE Outdoor Surge Protector TXPOE648OUT. The model is designed to protect PoE enabled network from lightning over-voltage, transient over-voltage and static discharge. The protector implements multi-level protection circuit with advanced manufacturing process, and has excellent performance on discharge current, limiting voltage, response time, stability and over-all reliability.

FEATURES:

- Multi. Protection circuits, Gas-Tube+ TVS technology
- Dual protection in Common module and different module
- TVS array technology, low capacitance
- Multi-Strike Capability
- IP65 enclosure providing full outdoor operation capability

TECHNICAL PARAMETER:

Model	TXPOE648OUT
Electrical Parameter(Network & Power)	
Nominal operating voltage Un	48V
Max. continuous operating voltage Uc	57V
Nominal discharge current（8/20μs）In	3kA
Max. discharge current （8/20μs）Imax	5kA
Limiting voltage Up	
Line-line (@6kV, 10/700μs)	≤150V
Line-line (@3kA, 8/20μs)	≤150V
Adapt transmission rate	1000Mbps
Insertion loss	≤0.5dB
Protection line	1-8
Response time Ta	1ns
Load current	500mA
Application	Cat. 6
Mechanical characteristics	
Dimension	78(H)×172(W)×159(L)mm
Weight per unit	602g
IP Level	IP65 (with waterproof duct tape applied on the cables at the entering joints)
Working conditions	Operation temp.: -20 ~ 60℃, Storage temp.: -40 ~ 85℃ Relative humidity: 5% ~ 95%
Standards Compliance	IEC61000, RoHS

INSTALLATION AND MAINTENANCE

a) The SPD should be connected in series between the protected device and the signal/power transmission channel.

b) The input terminal (IN) of the SPD should connect to the signal/power transmission channel, and the output terminal (OUT) of the SPD should connect to the protected device.

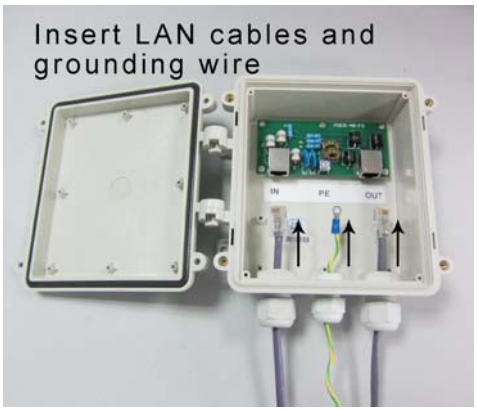
c) Connect grounding wire of the SPD to grounding bus-bar of the lightning protection system of the room or building. No special duty needs to be carried out for maintenance. When problem arises and the SPD is suspected, check the system with SPD taken out of circuit. Should system recover, the SPD shall be regarded as a damaged unit and must be replaced immediately.

Cable/Wire Connection Instruction

Note: To achieve IP65 level of protection, Step 3 must be taken carefully. Without the Step 3 taken, the product loses its IP65 ability, however can still work fine outdoor when installed in upright position. (With the three nods downwards)

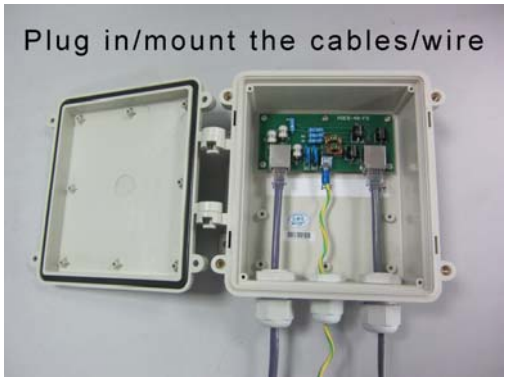
Step 1

Step 2



Step 3

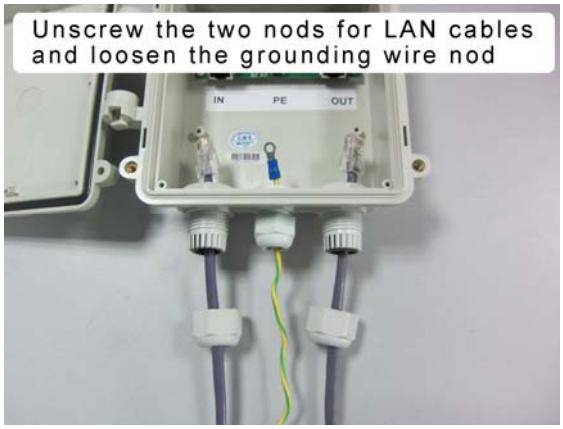
Step 4



Step 5

Cable/Wire Disconnection Instruction

Step 1



Step 2