

HyperLink Wireless brand Weatherproof 10/100/1000 Base-T High Power CAT6 Lightning Surge Protector

Applications

- 10/100/1000 Base-T Ethernet Equipment
- Intra-building Cable Runs
- Wireless Access Points & Bridges
- Wireless Client Adapters
- IP Cameras

Features

- CAT6, CAT5e and CAT5 compatibility
- GR-1089 Intra-Building rated
- Cable shield isolated from safety ground
- Power-Over-Ethernet (PoE) compatible
- Industrial grade weatherproof die cast aluminum enclosure with mounting brackets



Model ALW-CAT6HPJ

Description

The HyperLink ALW-CAT6HPJ Lightning Protector provides superior lightning and surge protection for indoor 10/100/1000 Base-T Ethernet networks. The unit has low line to line and line to ground capacitance to minimize distortion of high-speed signals. The design provides protection for both common and differential mode surges. The ALW-CAT6HPJ has been designed to meet the GR-1089 Intra-Building surge protection requirements for 10/100/1000 Base-T Ethernet lines. In addition, the unit is compatible with 802.3af Power-over-Ethernet (PoE) devices. This device supports PoE mode A and B for power. The AL-CAT6HPJW isolates the cable shield from the safety ground. This minimizes the chance of a ground loop being introduced.



The ALW-CAT6HPJ features shielded RJ45 jacks with isolation from the safety ground. This minimizes the chance for ground loops when using shielded cable.

For maximum protection from lightning on long cable runs, two ALW-CAT6HPJ's can be used - one at each end of the cable.

Industrial Grade Weatherproof Enclosure

This protector features an industrial grade die cast aluminum enclosure with gasketed cover and concealed mounting holes. It includes an aluminum mounting kit and hardware. PG16 cable glands are provided on the enclosure as well as an external ground clamp to provide a tie point for earth ground. The PG16 cable glands are large enough to pass a un-boot RJ45 connector through so pre-terminated cables can be used.



Specifications

Electrical Specifications

Ethernet Connectors	(2) Shielded RJ45 Jacks
Clamping Voltage	Wire – Wire: 15 Volts Wire – Ground: 90 Volts Shield – Ground: 90 Volts
CAT6 Data Lines	Pair 1: Pins 1 and 2 Pair 2: Pins 3 and 6 Pair 3: Pins 4 and 5 Pair 4: Pins 7 and 8
PoE Mode Support	Mode A and B

Mechanical Specifications

Enclosure Material	Die Cast Aluminum
Enclosure Color	Gray
Ground Lug	10 AWG Max.
Operating Temperature	-40 C (-40 F) to +80 C (+176 F)
Weight	1.15 lb. (.52 kg)
Dimensions (WxHxL)	4.91 x 3.14 x 2.30 (inches) 124.8 x 79.7 x 58.4 (mm)
RoHS Compliant	Yes

