

HyperLink Wireless Brand Weatherproof 10/100/1000 Base-T High Power CAT6 Lightning and Surge Protector - Model: ALS-CAT6HPW

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
- IEEE 802.11af/at Power-Over-Ethernet (PoE) compatible
- Weatherproof ABS enclosure with gasketed cover and shielded RJ45 jacks



Description

The ALS-CAT6HPW 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.

This protector 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/at Power-over-Ethernet (PoE) devices. This device supports PoE mode A and B for power. The ALS-CAT6HPW shielded RJ45 jacks are isolated from the safety ground. This minimizes the chance of a ground loop being introduced.

This unit features a weatherproof ABS enclosure with gasketed cover and concealed mounting holes. 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 an un-booted RJ45 connector through so pre-terminated cables can be used.



Specifications

Mechanical Specifications

Enclosure Material	ABS
Enclosure Color	Dark Gray
Ground Lug	10 AWG Max.
Operating Temperature	-40°C to +80°C (-40°F to +176°F)
Weight	0.5 lbs (.22 kg)
Dimensions	4.72 x 3.15 x 2.18 in (119.8 x 80.0 x 55.3mm)
RoHS Compliant	Yes

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 for power

