L-COM Global Connectivity

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
- Weatherproof ABS enclosure with gasketed cover and shielded RJ45 jacks

RoHS Compliant

Model AL-CAT6HPW

Description

The HyperLink AL-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. The AL-CAT6HPW 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-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. A ground clamp is provided outside the enclosure.

For maximum protection from lightning on long cable runs, two AL-CAT6HPW's can be used - one at each end of the cable.

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	ABS
Enclosure Color	Dark Gray
Ground Clamp	(1) 10 AWG Max.
Operating Temperature	-40 C (-40 F) to +80 C (+176 F)
Weight	.38 lb. (.17 kg)
Dimensions (WxHxL)	6.3 x 3.15 x 2.17 (inches) 160 x 80 x 55 (mm)
RoHS Compliant	Yes