

HyperLink Wireless brand Weatherproof 10/100 Base-T CAT5e Lightning Surge Protector

Applications

- 10/100 Base-T Ethernet Equipment
- Wireless Access Points & Bridges
- Wireless Client Adapters
- IP Cameras

Features

- CAT5 and CAT5e compatibility
- Power-Over-Ethernet (PoE) compatible
- Supports PoE mode A and B for power
- Shielded RJ45 Jacks
- Weatherproof ABS enclosure with gasketed cover and shielded RJ45 jacks



Model AL-CAT5EJWP

Description

The HyperLink brand AL-CAT5EJWP Lightning Protector provides superior lightning and surge protection for both indoor and outdoor 10/100 Base-T Ethernet networks. In addition, the unit is compatible with 802.3af Power-over-Ethernet (PoE) devices. Integral to the design is protection for the four Ethernet data pairs and the PoE DC power feed.

This unit supports normal and reverse polarity PoE used in some Cisco Access Points. The AL-CAT5EJWP is compatible with Wireless Access Points, Access Servers and Outdoor Routers, with or without Power-over-Ethernet (PoE) functionality.

The unit features a low capacitance diode array that can withstand large surge currents.

The design utilizes a Thyristor diode which switches to a low impedance state once triggered. This offers superior power handling capability compared to TVS or Zener diode based designs. The limits are +/- 58 volts on the four cable pairs.

This unit features a weatherproof ABS enclosure with gasketed cover and concealed mounting holes. A ground clamp is provided outside the enclosure.



Specifications

Electrical Specifications

Ethernet Connectors	(2) Shielded RJ45 Jacks
PoE Clamping Voltage	+/- 58 Volts
CAT5e 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

Mechanical Specifications

Enclosure Material	ABS
Enclosure Color	Dark Gray
Ground Lug	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) 160.6 x 80 x 55 (mm)
RoHS Compliant	Yes



