

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

- CAT5e compatibility
- Power-Over-Ethernet (PoE) compatible
- 10/100 Base-T CAT5e protection
- Removable terminal strips
- Weatherproof ABS enclosure with gasketed cover and shielded RJ45 jacks



Model AL-CAT5EW

Description

The Hyperlink brand AL-CAT5EW Lightning Protector provides superior lightning and surge protection with improved frequency response for both indoor and outdoor 10/100 Base-T networks. The unit meets or exceeds CAT5e performance for the two data pairs. The design uses high frequency transmission line layout techniques to maintain an optimum 100 ohms balanced impedance in the signal path. These techniques and the use of Ultra-Low Capacitance Protection Arrays provide superior high frequency response and improved return loss for the data pairs. In addition, the unit is compatible with 802.3af Power-over-Ethernet (PoE) devices. Integral to the design is protection for the two Ethernet data pairs and the PoE DC power feed. This unit supports normal and reverse polarity PoE.

This CAT5e Lightning Protector is compatible with Wireless Access Points, Access Servers and Outdoor Routers, with or without Power-over-Ethernet (PoE) functionality. A ground clamp provides a tie point for earth ground. For maximum protection from lightning on long cable runs two units can be used, one at each end of the cable.

Features of this unit include a weatherproof ABS enclosure with gasketed cover and concealed mounting holes. Removable Terminal Strips are provided on the input and output for convenience. To ease installation, the terminal strips can be removed.

Cisco Compatible Lightning Protector

This lightning surge protector is compatible with Cisco legacy network appliance products like Access Points, DC Injectors and other equipment supporting reverse polarity PoE pinouts.



Specifications

Electrical Specifications

Ethernet Connectors	(2) Removable Terminal Strips
Data Clamping Voltage	+/- 58 Volts
PoE Clamping Voltage	+/- 58 Volts
Data Line Impedance	100 Ohms Balanced
CAT5e Data Lines	Pair 1: Pins 1 and 2 Pair 2: Pins 7 and 8
PoE Power Pinout Supports normal and reverse polarity	+/- VDC: Pins 3 and 4 +/- VDC: Pins 5 and 6

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



