

HyperLink Wireless Brand Weatherproof CAT5e 10/100 Base-T Lightning and Surge Protector - Model: ALS-CAT5EJWP

Applications

- 10/100 Base-T Ethernet networks
- Wireless access points and bridges
- Wireless client adapters
- IP cameras

Features

- CAT5 and CAT5e compatible
- 802.3af/at Power-Over-Ethernet (PoE) compatible
- Supports PoE mode A and B for power
- Shielded RJ45 jacks
- Weatherproof ABS enclosure with gasketed cover



Description

The ALS-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/at Power-over-Ethernet (PoE) devices. Integral to the design is protection for the four Ethernet data pairs and the PoE DC power feed. The unit supports both modes A and B of the 802.3af/at standard for supplying DC power.

This unit supports normal and reverse polarity PoE used in some legacy Cisco Access Points. The ALS-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. 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-booted RJ45 connector through so pre-terminated cables can be used.



Specifications

Electrical Specifications

Ethernet Connectors	(2) Shielded RJ45 Jacks
PoE Clamping Voltage	+/- 58 Volts
CAT5e Data Lines	Pair 1: Pins 1/2 Pair 2: Pins 3/6 Pair 3: Pins 4/5 Pair 4: Pins 7/8
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 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

