

HyperLink Wireless Brand Weatherproof PoE Compatible 10/100 Base-T Lightning and Surge Protector - Model: ALS-CAT5W

Applications

- IP, Network, or Web Camera
- VoIP Telephone
- 10/100 Base-T Networks
- Wireless Access Points, Servers & Outdoor Routers

Features

- Protection for all 8 wires
- 802.3af/at Power-Over-Ethernet (PoE) compatible
- Supports modes A and B PoE
- Weatherproof ABS enclosure with gasketed cover
- Shielded Right Angle RJ45 jacks



Description

The ALS-CAT5W is an indoor and outdoor lightning surge arrester which provides protection for CAT5 data applications. This model is fully compatible with industry-standard Power-over-Ethernet (PoE) devices and 10/100 Base-T Ethernet networks, providing protection to both Ethernet data pairs as well as the PoE DC power feed. The unit supports both modes A and B of the 802.3af/at standard for supplying DC power. Power can be fed up the CAT5 data pairs, 1-2, 3-6 or using the two unused pairs, 4-5, 7-8.

High-speed semiconductors clamp any voltage, positive or negative on the wires. The limits are +/- 58 volts on the four cable pairs. The design utilizes Thyristor diode technology, which has superior power handling capability compared to TVS or Zener diode based designs. The unit is compatible with both normal and inverted polarity voltage PoE equipment.

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.

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 unbooted 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
PoE Clamping Voltage	58 Volts
PoE Mode Support	Mode A and B for power

