

HyperLink Wireless Brand Weatherproof Multi-Port 10/100 Base-T Lightning Protector - Model: AL-CAT5W-4

Applications

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

Features

- Protect up to four separate CAT5 lines
- Protection for all 8 wires per line
- 802.3af Modes A and B Power-Over-Ethernet
- Weatherproof ABS enclosure with O-ring gasket
- Shielded RJ-45 jacks



Description

The AL-CAT5W-4 is a multi-port indoor and outdoor lightning surge arrester, which provides protection for CAT5 data applications. A single unit protects up to four separate CAT5 lines. 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 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.

The AL-CAT5W-4 features a weatherproof ABS enclosure with O-ring gasket and concealed mounting holes. A ground clamp mounted outside the enclosure 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.



Specifications

Mechanical Specifications

Enclosure	Dark Gray ABS
Enclosure Dimensions	5.9 x 7.8 x 2.9 in (150 x 198 x 74 mm)
CAT5 Cable Dia, Range	0.394" to 0.551" (10 to 14 mm)
Ground Clamp	10 AWG Max.
Operating Temperature	-40°C to +80°C (-40°F to +176°F)
Weight	1.5 lbs (.68 kg)
RoHS Compliant	Yes

Electrical Specifications

Connectors	(8) Shielded RJ-45 Jacks
PoE Clamping Voltage	58 Volts
PoE Mode Support	Mode A and B for power

