HyperLink Wireless Brand Weatherproof 24V PoE Compatible Multi-Port 10/100 Base-T Lightning and Surge Protector - Model: AL-CAT5W-4-24

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 with protection for all 8 wires per line
- Compatible with 15V and 24V Power-Over-Ethernet (PoE) devices
- Supports PoE mode A and B for power
- Weatherproof ABS enclosure with O-ring gasket
- Shielded RJ-45 jacks

Description

The AL-CAT5W-4-24 is a multi-port indoor and outdoor lightning surge arrestor, 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 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 PoE modes A and B for of 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 +/- 36 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.

15 Volt and 24 Volt PoE Compatible

Designed to be compatible with 15V and 24V PoE devices, the AL-CAT5W-4-24 is ideal for use with select devices from Motorola, Ubiquiti, Engenius and Planet as well as other PoE equipment requiring 15V or 24V. Canopy clusters can also take advantage of the multi-port design.

Note: This protector is not intended for use with standard 48V PoE devices.

The AL-CAT5W-4-24 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.

This unit supports normal and reverse polarity PoE. The AL-CAT5EJW24 is compatible with Wireless Access Points, Access Servers and Outdoor Routers, with or without Power-over-Ethernet (PoE) functionality.

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	+/- 36 Volts
PoE Mode Support	Mode A and B for power