HyperLink brand Indoor 24V PoE Compatible 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

- CAT5, CAT5e and CAT6* compatibility
- Compatible with 15V and 24V Power-Over-Ethernet (PoE) devices
- Supports PoE mode A and B for power
- Shielded RJ-45 jacks and metal housing for EMI noise suppression
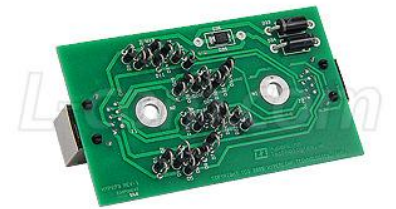- Integral mounting feet

Model: HGLN-CAT5EJW24

Description

The HGLN-CAT5EJW24 Lightning Protector provides superior lightning and surge protection for indoor 10/100 Base-T Ethernet networks. Integral to the design is protection for the four Ethernet data pairs and the PoE DC power feed.

*This protector is also compatible with 10/100/1000 Base-T Ethernet networks, but it is recommended to be used on shorter length CAT6 cable runs for best performance.

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 +/- 36 volts on the four cable pairs.

15 Volt and 24 Volt PoE Compatible

Designed to be compatible with 15V and 24V PoE devices, the HGLN-CAT5EJW24 is ideal for use with select devices from Motorola, Ubiquiti, Engenius and Planet as well as other PoE equipment requiring 15V or 24V.

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

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.

The HGLN-CAT5EJW24 features shielded RJ45 jacks. This along with the unit's metal housing helps reduce the effects of EMI interference. A ground lug and terminal is provided directly on the lightning protector housing, providing superior grounding. A second ground and terminal is provided for strapping multiple units together.

Specifications

Electrical Specifications

Ethernet Connectors	(2) Shielded RJ45 Jacks
PoE Clamping Voltage	+/- 36 Volts
CAT5e Data Lines	Pair 1: Pins 1 and 2 Pair 2: Pins 3 and 6 Pair 3: Pins 4 and 5, Spare Pair 4: Pins 7 and 8, Spare
PoE Mode Support	Mode A and B for power

Mechanical Specifications

Enclosure Material	Cast Aluminum
Ground Lugs	(2) 12 AWG Max.
Operating Temperature	-40 C (-40 F) to +80 C (+176 F)
Weight	.40 lb. (.18 kg)
Dimensions (WxHxL)	4.5 x 2.5 x 1.5 (inches) 114.3 x 63.5 x 38.1 (mm)
RoHS Compliant	Yes

HGLN-CAT5EJW24