

HyperLink Wireless Brand Indoor DIN 3 Rail Mount 10/100 Base-T Shielded CAT5 Lightning Surge Protector - Model: HGLND-CAT5J

Applications

- IP, network or web cameras
- 10/100 Base-T networks
- VoIP telephone
- Wireless access points, servers and routers

Features

- DIN 3 rail mountable
- 10/100 Base-T CAT5 protection
- 802.3af Modes A and B Power-Over-Ethernet compatible
- Protects 4 data pairs
- Industrial grade cast aluminum construction with shielded RJ-45 jacks



Description

The HGLND-CAT5J is a compact indoor DIN rail mountable lightning surge arrester which provides protection for CAT5 data applications. The unit 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 unit is compatible with both normal and inverted polarity voltage PoE equipment. The design utilizes Thyristor diode technology which has superior power handling capability compared to TVS or Zener diode based designs.

The HGLND-CAT5J features shielded RJ45 jacks. This along with the metal housing helps reduce the effects of EMI interference. Additional features include a ground lug and terminal is provided directly on the lightning protector housing providing superior grounding. The unit also supports the use of shielded CAT5 cable. For maximum protection from lightning on long cable runs, two HGLND-CAT5J can be used, one at each end of the cable.

This unit can be mounted to a DIN 3 rail using the DIN mounting clip located on the rear of the unit.

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.



Specifications

Electrical Specifications

Ethernet Connectors	(2) RJ45 Jacks
PoE Clamping Voltage	+/- 58 Volts

Mechanical Specifications

Enclosure Material	Cast Aluminum
DIN Mounting Clip	DIN 3 Rail
Ground Lug	12 AWG Max.
Operating Temperature	-40 C (-40 F) to +80 C (+176 F)
Weight	.28 lbs. (.13 kg)
Dimensions (WxHxL)	3.6 x 1.4 x 1.2 (inches) 91.4 x 35.5 x 38.1 (mm)
RoHS Compliant	Yes

