L-Com Wireless Indoor 10/100/1000 Base-T Shielded CAT6 Lightning Surge Protector – Model: HGLN-CAT6J

Applications

- IP cameras with PoE
- Wireless access points, bridges and client adapters
- Gigabit network appliances
- Wired PoE switches
- 10/100/1000 Base-T networks



Features

- CAT5, CAT5e and CAT6 compatibility
- 802.3af/at Power-Over-Ethernet (PoE) compatible
- Industrial grade cast aluminum construction with shielded RJ-45 jacks
- Integral mounting feet

Description

The HGLN-CAT6J shielded indoor lightning protector provides superior lightning and surge protection with improved frequency response for indoor 10/100/1000 Ethernet networks. The use of ultra-low capacitance semiconductor protection arrays provides superior high frequency response and improved return loss for the four data pairs. The unit has low line to line and line to ground capacitance to minimize distortion of high-speed signals. The design provides protection for both common and differential mode surges.

The HGLN-CAT6J is compatible with 802.3af/at Power-over-Ethernet (PoE) devices. It supports PoE mode A and B for power as well as supporting normal and reverse polarity PoE used in some Cisco Access Points. The HGLN-CAT6J is compatible with wireless Access Points, Bridges, Client Adapters and Network Appliances with or without Power-over-Ethernet (PoE) functionality.

EMI Noise Suppression

The HGLN-CAT6J 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. For maximum protection from lightning on long cable runs, two HGLN-CAT6J protectors can be used, one at each end of the cable.



The cast aluminum housing includes integral mounting feet for ease of installation.

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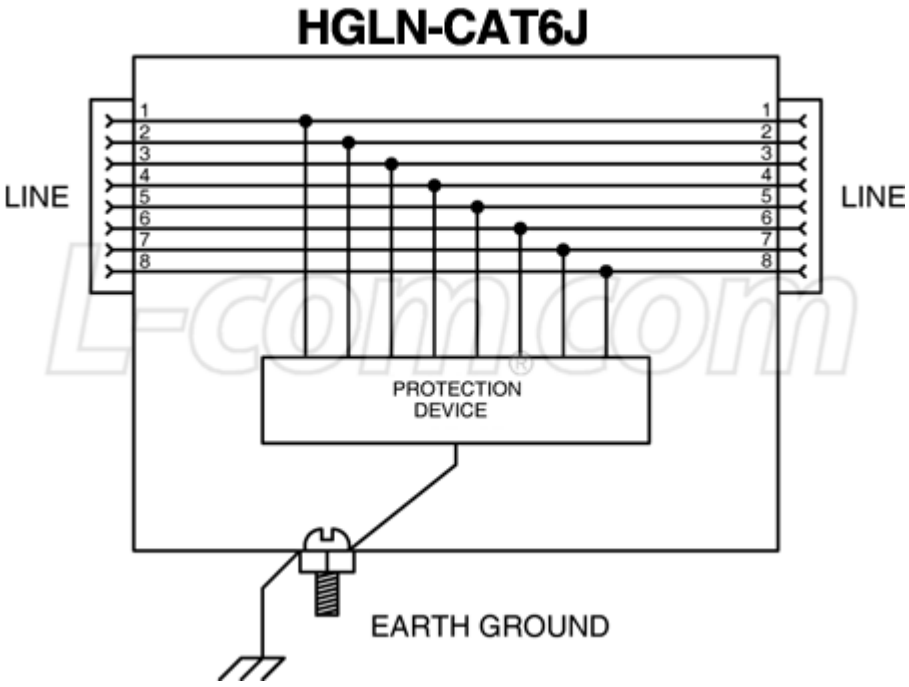
Specifications

Electrical Specifications

Ethernet Connectors	(2) Shielded RJ45 Jack
Clamping Voltage	65 Volts
Data Line Impedance	100 Ohms Balanced
CAT6 Data Lines	Pair 1: Pins 1 and 2 Pair 2: Pins 3 and 6 Pair 3: Pins 4 and 5 Pair 4: Pins 7 and 8

Mechanical Specifications

Enclosure Material	Cast Aluminum
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



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