Indoor 10/100/1000 Base-T Shielded Gas Tube CAT6 Lightning and Surge Protector – Model: HGLN-CAT6JT

Applications

- 10/100/1000 Base-T Gigabit Ethernet Equipment
- Wireless Access Points & Bridges
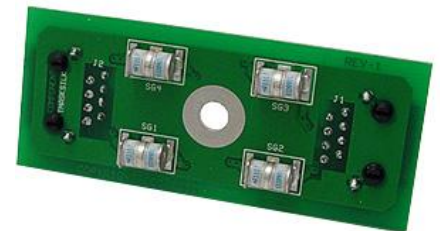- Wireless Client Adapters
- CCTV IP Cameras with PoE

Features

- CAT5, CAT5e and CAT6 compatibility
- Reliable differential gas tube protection
- 802.3af/at Power-Over-Ethernet (PoE) compatible
- Industrial grade cast aluminum construction
- Shielded RJ-45 jacks

Description

The HGLN-CAT6JT lightning and surge protector provides superior lightning and surge protection with improved frequency response for indoor 10/100/1000 Ethernet networks. The unit has low line to line and line to ground capacitance to minimize distortion of high-speed signals. This design provides protection for both common and differential mode surges. The HGLN-CAT6JT utilizes gas discharge tubes on each pair for superior power handling capability. This protector is compatible with 802.3af/at Power-over-Ethernet (PoE) devices. It supports both PoE mode A and B for power.

The HGLN-CAT6JT features shielded RJ45 jacks. This along with the metal housing helps reduce the effects of EMI interference. Additional features include a ground lug provided directly on the lightning protector housing providing superior grounding and integral mounting feet to ease installation. For maximum protection from lightning on long cable runs, two HGLN-CAT6JT protectors can be used, one at each end of the cable.

Specifications

Electrical Specifications

Ethernet Connectors	(2) Shielded RJ-45 Jacks
Clamping Voltage	Line – Ground: 90 Volts Line – Line: 90 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
PoE Mode Support	Mode A and B for power

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

HGLN-CAT6JT