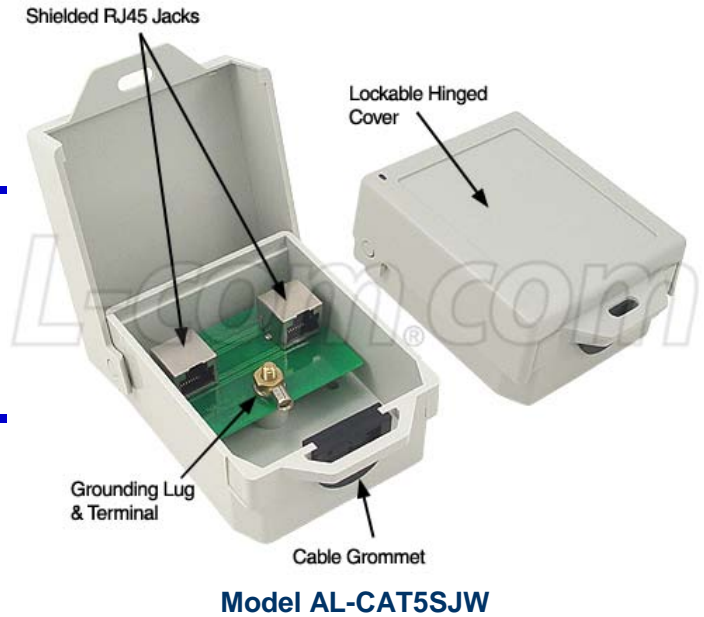# HyperLink Wireless brand Weather Resistant 10/100 Base-T CAT5 PoE Compatible Lightning Surge Protector

Applications

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

Features

- 802.3af Modes A and B Power-Over-Ethernet and Reverse Polarity PoE compatible
- Impact and weather resistant enclosure with locking hinged cover
- Protects 4 data pairs
- Shielded RJ45 jacks
- Supports use of shielded CAT5 cable

Model AL-CAT5SJW

Description

The AL-CAT5SJW is a Compact Weather Resistant Lightning Protector which provides lightning and surge 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 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 +/- 58 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.

This Lightning Protector is compatible with both 10 Base-T and 100-Base devices as well as Power-over-Ethernet (PoE) devices, including Wireless Access Points, Wireless Client Devices, Outdoor Routers and IP Cameras. A ground lug and terminal is provided in the lightning protector housing providing superior grounding. The unit also supports the use of shielded CAT5 cable.

The compact weather resistant housing features a lockable hinged cover and break-away holes are provided on the rear of the enclosure for mounting. The cable grommet may be adjusted to cable size and are removable.

To help reduce the effects of EMI interference, the AL-CAT5SJW features shielded RJ45 jacks.

Reverse Polarity PoE

This lightning surge protector is compatible with Cisco Aironet® 1100 and 1200 series access points, DC Injectors and other equipment supporting reverse polarity PoE pinouts.
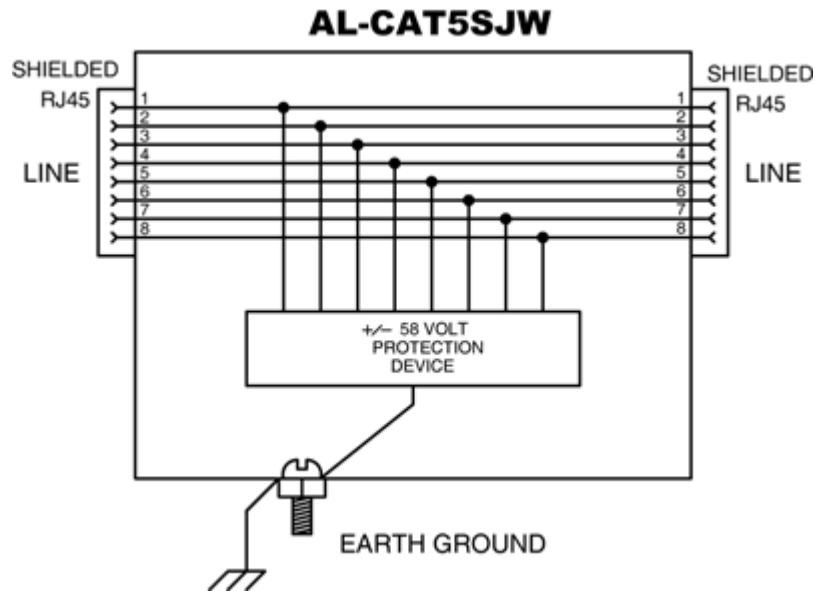
Specifications

Electrical Specifications

Ethernet Connectors	(2) Shielded RJ45 Jacks
PoE Clamping Voltage	58 Volts

Mechanical Specifications

Enclosure Material	PVC
Enclosure Color	Gray
Ground Lug	12 AWG Max.
Operating Temperature	-40 C (-40 F) to +80 C (+176 F)
Weight	.27 lbs. (.12 kg)
Dimensions (WxHxL)	3.06 x 1.93 x 4.06 (inches) 78 x 49 x 103 (mm)
RoHS Compliant	Yes

AL-CAT5SJW

SHIELDED RJ45   LINE

1
2
3
4
5
6
7
8

SHIELDED RJ45   LINE

1
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3
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6
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+/- 58 VOLT PROTECTION DEVICE

EARTH GROUND

Guaranteed Quality

This product is backed by L-com's Limited Warranty.