

## HyperLink Wireless Brand Weatherproof PoE Compatible 10/100 Base-T Lightning and Surge Protector - Model: AL-CAT5W

### Applications

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- IP, Network, or Web Camera
- VoIP Telephone
- 10/100 Base-T Networks
- Wireless Access Points, Servers & Outdoor Routers
- Ideal alternative to the Transtector® ALPU-TSU protector

### Features

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- Weatherproof ABS enclosure
- Gasketed cover and concealed mounting holes
- Removable terminal strips and modular RJ45 jacks
- Ground clamp provided on outside of enclosure
- Power-Over-Ethernet (PoE) compatible that supports normal and reverse polarity PoE



### Description

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The AL-CAT5W CAT5 Lightning Protector provides superior lightning and surge protection for both indoor and outdoor 10/100 Base-T networks. In addition, the unit is compatible with Power-over-Ethernet (PoE) devices. Integral to the design is protection for the two Ethernet data pairs and the PoE DC power feed. This unit supports normal and reverse polarity PoE.

This CAT5 Lightning Protector is compatible with Wireless Access Points, Access Servers and Outdoor Routers, with or without Power-over-Ethernet (PoE) functionality. The AL-CAT5W also makes an ideal alternative to the Transtector® ALPU-TSU protector. It features equal performance but at a substantial savings.

This unit features a weatherproof ABS enclosure with gasketed cover and concealed mounting holes. Both terminal strips and modular RJ45 female jacks are provided on the input and output for convenience. To ease installation, the terminal strips can be removed. A ground clamp provides a tie point for earth ground. For maximum protection from lightning on long cable runs, two units can be used, one at each end of the cable.

**Application Note:** This unit will not work with Cisco® Power over Ethernet Injectors. Use L-com's Cisco® compatible BT-CAT5-P1R DC Injector.



**Specifications**

**Mechanical Specifications**

<b>Enclosure</b>	Dark Gray ABS
<b>Enclosure Dimensions</b>	6.3 x 3.1 x 2.1 in (160 x 80 x 55 mm)
<b>CAT5 Cable Dia, Range</b>	0.394" to 0.551" (10 to 14 mm)
<b>Ground Clamp</b>	10 AWG Max.
<b>Operating Temperature</b>	-40°C to +80°C (-40°F to +176°F)
<b>Weight</b>	0.38 lbs (.17 kg)
<b>RoHS Compliant</b>	Yes

**Electrical Specifications**

<b>Connectors</b>	(2) Modular RJ45 Female Jacks and (2) Removable Terminal Strips
<b>Data Lines</b>	Pair 1: Pins 1/2, RJ-45 T1/T2, Terminal Strip Pair 2: Pins 3/6, RJ-45 T3/T4, Terminal Strip
<b>CAT5 Power Pinout</b> Supports normal and reverse polarity	+/- VDC: Pins 4/5, RJ-45 T5/T6, Terminal Strip +/- VDC: Pins 7/8, RJ-45 T7/T8, Terminal Strip
<b>Data Clamping Voltage</b>	58 Volts
<b>PoE Clamping Voltage</b>	58 Volts

