

## HyperLink Wireless brand Compact and Weather Resistant 10/100 Base-T CAT5 Lightning Surge Protector - Model: AL-CAT5VW-1

### Applications

- 10/100 Base-T CAT5 protection
- Wireless Access Points & Servers
- Wireless Outdoor Routers

### Features

- 10/100 Base-T CAT5 protection
- Power-Over-Ethernet Compatible
- Reverse Polarity PoE compatible
- Impact and weather resistant, locking hinged cover
- (2) RJ45 Jacks



### Description

The AL-CAT5VW-1 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.

High speed semiconductors clamp any voltage, positive or negative on the wires. The limits are +/- 15 volts on pins, 1, 2, 3 and 6 and +/- 58 volts on pins 4, 5, 7 and 8. The unit is compatible with both normal and inverted polarity voltage PoE equipment. For maximum protection two AL-CAT5VW-1 units should be used, one at each end of the CAT5 cable. Most PoE capable equipment is not protected from surges on its CAT5 cable.

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, Access Servers and Outdoor Routers that support Power-over-Ethernet (PoE). A ground lug and terminal is provided in the lightning protector housing providing superior grounding.

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 grommets may be adjusted to cable size and are removable.

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**

<b>Ethernet Connectors</b>	(2) RJ45 Jack
<b>Data Lines</b>	Pair 1: Pins 1 and 2 Pair 2: Pins 3 and 6
<b>Data Clamping Voltage</b>	15 Volts
<b>PoE Clamping Voltage</b>	58 Volts
<b>CAT-5 Power Pinouts</b>	+/- VDC: Pin 4 +/- VDC: Pin 5 +/- VDC: Pin 7 +/- VDC: Pin 8
<b>PoE Mode Support</b>	Mode B Only for power

**Mechanical Specifications**

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

