Westell LGTPRO-1ETH

10/100 Base-T Shielded CAT5 Lightning Surge Protector

General Information

The LGTPRO-1ETH is a compact indoor lightning surge arrestor which provides 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 unit is compatible with both normal and inverted polarity voltage PoE equipment. The design utilizes Thyristor diode technology which has superior power handling capability compared to TVS or Zener diode based designs.

This arrestor 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, Access Servers, 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 LGTPRO-1ETH features shielded RJ45 jacks. This along with the LGTPRO-1ETH's metal housing helps reduce the effects of EMI interference. Additional features include a ground lug and terminal provided directly on the lightning protector housing providing superior grounding. For maximum protection from lightning on long cable runs, two LGTPRO-1ETHs can be used, one at each end of the cable.

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

Cisco Compatibility

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.

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Product Highlights

- 10/100 Base-T CAT5 protection
- 802.3af Modes A and B Power-Over-Ethernet (PoE) compatible
- Protects 4 data pairs
- Supports use of shielded CAT5 cable
- Cisco® Reverse Polarity PoE compatible
- IIndustrial-grade cast-aluminum construction with shielded RJ-45 jacks

Model Numbers

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Electrical Specifications

Ethernet Connectors	(2) RJ45 JACKS
PoE Clamping Voltage	58 Volts

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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