

IPP-1-21-HS

Surge protection for Gigabit Ethernet

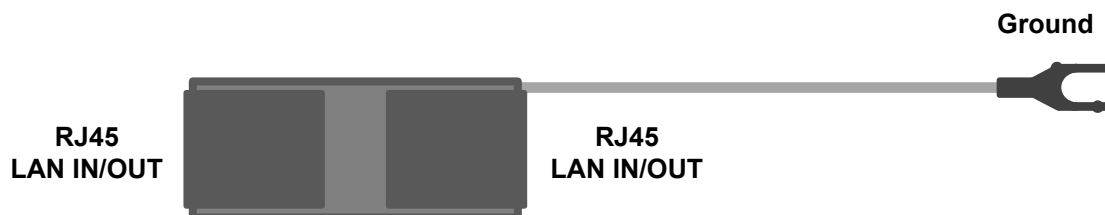
10/100/1000 Mbps and PoE PASSIVE / 802.3af / 802.3at

1 channel, RJ45 / RJ45 shielded connectors

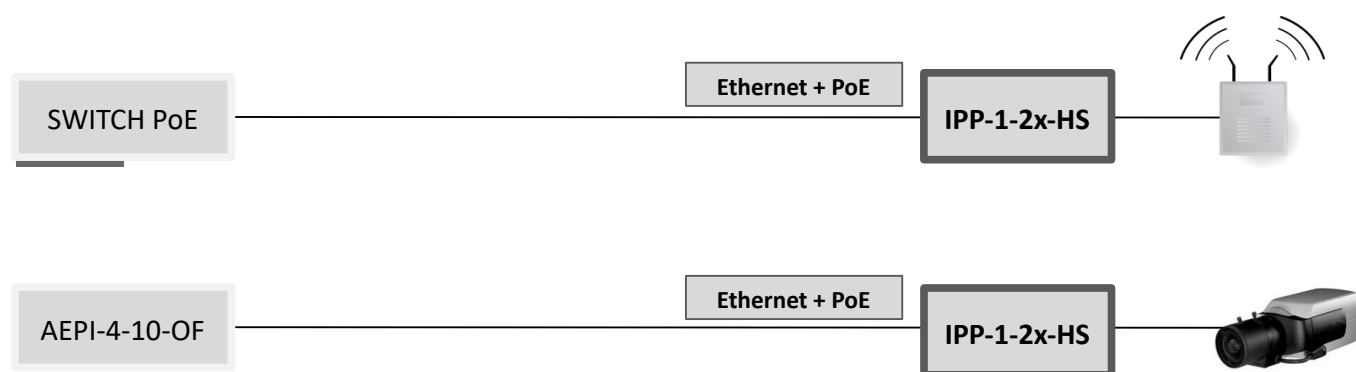
INSTRUCTION MANUAL

IPP-1-21-HS limits overvoltages in the ETHERNET network by absorbing a high voltage impulses. The modules work with all PoE power standards and Gigabit Ethernet networks. The devices operate without a ground connection, limiting differential overvoltages between the wires. Grounding increases the effectiveness of protection. The device reduces the voltage to a safe level and reduce the number of failures, requires no power supply and does not interfere with data transmission. It can be a protecting element of IP CCTV systems, ETHERNET wired network and wireless WiFi devices etc.

The construction allows the device to be installed in any suitable third party housing. It is highly recommended however to use our dedicated ABOX series enclosures that come with a pre-drilled backplate (4,8mm diameter, pitch 10,8mm) allowing both horizontal and vertical installation.



General view of the device



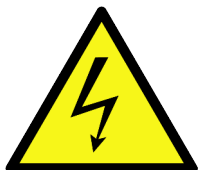
Technical Specification

Line-Line protection breakdown voltage	8 V
PoE power supply protection breakdown voltage	65 V
Line-Ground protection breakdown voltage	400 V
Maximum peak pulse current (line-line, line-ground)	30 A
Housing Construction	Insulating polyethylene sleeve
Ingress Protection Rating	IP20
Dimensions	20 x 48 x 17 mm
Weight	0,015 kg

Safety Precautions

- The installation and wiring must be performed by a competent engineer. For permanently connected equipment, a readily accessible disconnect device must be incorporated in the fixed wiring. The device must be connected to the mains supply 230 VAC 50 Hz via a specified fused connection outlet.
- Despite the fact that the enclosure of the device has a high degree of protection, it is recommended that the device should be mounted in places protected from direct influence of atmospheric factors, in particular against rain and direct sunlight.
- Since the power supply does not have a switch to isolate the mains supply, the installer is responsible for notifying the user of the means of isolating the mains supply from the device.
- When replacing fuses, use original or compatible types. The exact parameters of the fuses can be found on the inside of the device cover.

WARNING



Before installation and during maintenance make sure that the mains voltage 230VAC is disconnected

Installation

- Mount the device in the selected location and connect the connecting cables.
- Connect ground cable to ground rail

WEEE MARKING



This symbol on the product or on its packaging indicates that the product must not be disposed of with normal household waste. Instead such equipment must be disposed of by arranging to return it to a designated collection point for the recycling of waste electrical and electronic equipment.

