



User Manual

Code: AXON-POE-MULTINET-12
OVERVOLTAGE LIMITER AXON-POE-MULTINET-12

Warning!

Please read the user manual included in this work as it contains important information related with safety of installation and use of the device.

Only persons who read the user manual may use the device.

The user manual must be kept because it may be required in the future. The device is to be used exclusively for purposes specified in this user manual.

The device must be unpacked prior to starting-up. After removing the packaging make sure the device is in working order.

If the product has defects, it should not be used until it is repaired.

The product is intended for use at home and commercial use and may not be used for other than intended use.

The manufacturer is not liable for damages resulting from not adhering to the rules contained in the user manual, therefore, we recommend to follow the aforementioned safety rules for operation and maintenance of the device. In this way you will ensure yourself safety and avoid causing damage to the device.

The manufacturer and the supplier are not liable for losses or damages arising out of the product, including financial or intangible losses, loss of profits, income, data, pleasure from use of the product or other products related with it - indirect, incidental or consequential loss or damage. The above provisions apply whether the loss or damage concerns:

1. Deterioration of quality or the lack of operation of the products or products related with it due to damage as well as the lack of access to the product when it is undergoing repair, which results in stoppage the loss of user's time or a break in business activity;
2. Improper results of operation of the product or products related with it;
3. It applies to losses and damages according to any legal category, including negligence and other losses, termination of a contract, expressed or implied guarantee and strict liability (even if the manufacturer or the supplier was notified about the possibility of occurrence of such damages).

Safety measures:

Particular attention at designing was directed to quality standards of the device where ensuring safety of operation is the most important factor.

The device must be secured against contact with caustic, staining and viscous fluids.

The device was designed in such a way that it restarts operation when power supply is restored after a break.

Turn off the device before transporting it.

Prior to connecting the device to a power source check whether the supplied voltage is consistent with rated voltage specified in the user manual.

Attention! We recommend using protections to further protect the device from possible overvoltages in installations.

Surge protectors are effective protection against accidental pass to the device voltages higher than the rated. Damages caused by pass the voltages higher than specified in manual, are not under warranty.

Proper product disposal:

A marking of a crossed out waste bin indicates that the product may not be disposed together with other household waste in the entire EU. To avoid possible damage to the natural environment of health due to uncontrolled waste disposal, therefore, it should be handed over for recycling, propagating in this way sustainable use of natural resources.

To return a worn-out product, use a collection and disposal system of this type of equipment or contact a seller from whom it was purchased. He will then be recycled in an environmentally-friendly way.

It is forbidden to use the device in case its power cord or plug is damaged, the device works incorrectly, was damaged or dropped. A damaged power cord or plug must be replaced with new ones by the manufacturer, personnel of service centre or a person with relevant qualifications in order to avoid the risk of electric shock. We do not recommend repairing the device on one's own for safety reasons.

The device is not intended for operation by persons (including children) with limited physical, sensory or mental capabilities as well as persons inexperienced in operation or not competent to operate of such device, unless the operation is supervised by a person responsible for their safety or in line with instructions for use provided by such person.

It is forbidden to touch the plug with wet hands! Pull the plug, never the cable, to pull out the plug from a socket.

The device is to be used exclusively according to its use described in this manual. Use of accessories not recommended by the manufacturer of the device may cause fire, electric shock or injuries.

Marking of a lightning inside a equilateral triangle signifies presence of dangerous voltage, contained under the cover of the device. It may be dangerous for user's life and health.

The AXON-POE-MULTINET-12 is multi-channel device of AXON company designed to overvoltage protection of Ethernet 10/100 Mb/s network devices connected to it and powered remotely with PoE technology.

Each of 12 AXON-POE-MULTINET-12 channels has 2 lines - the data line (pairs: 1-2, 3-6) and power line (pairs: 4-5, 7-8). To increase the load of power line the wire 4 is shorted to wire 5, and the wire 7 to 8.

Using the shielded RJ-45 sockets and FTP cable you can ensure shield continuity. The socket shield is connected to the ground. The condition of correct protection is connecting the AXON-POE-MULTINET-12 device to the proper grounding or PE wire.



Signal line - wires 1-2, 3-6:	
Rated voltage:	5 V
Maximal voltage:	6 V
Voltage protection level line-line:	$\leq 40 \text{ V} - 1 \text{ kV}/\mu\text{s}$
Voltage protection level line-PG:	$\leq 600 \text{ V} - 1 \text{ kV}/\mu\text{s}$
Nominal discharge current (line-line):	20 A (10/1000 μs)
Nominal discharge current (line-PG):	20 A (10/1000 μs)
Power line - wires 4, 5 and 7, 8:	
Nominal power voltage:	50 V
Maximal power voltage:	56 V
Nominal current:	400 mA
Voltage protection level line-line for power:	$\leq 95 \text{ V} - 1 \text{ kV}/\mu\text{s}$
Voltage protection level line-PG for power:	$\leq 1000 \text{ V} (1.2/50\mu\text{s})$
Nominal discharge current line-line for power:	10 A (10/1000 μs)
Nominal discharge current for power (line-PG):	2 kA (8/20 μs)
Protection parameters compliance:	Compliance with PN-EN61643-21
General information:	
Number of channels:	12
Sockets type:	RJ45 (8P8C)
Housing:	Metal, black
Weight:	1.07 kg
Dimensions:	1 U Rack 19" 488 x 44 x 50 mm
Guarantee:	2 years

Front panel:



Top view:



In the kit:



PACKAGE

Dimensions (L x W x H): 0x0x0 mm	Gross Weight: 0 kg
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