

Features of the power supply unit:

- power output 52 V DC / 0,3A
- universal AC input voltage range ~100-240 V
- high efficiency 87%
- power supply for PoE devices
- Compliance with IEEE 802.3af
- Suitable for 10/100/1000 Mb/s network
- LED optical signalization
- protections:
 - overvoltage protection (AC input)
 - overload OLP
- warranty – 2 years from production date

1. Technical description.

1.1. General description.

Stabilized DC power supply is intended for supply LAN devices complied with IEEE 802.3af through Ethernet Cable, which require stabilized voltage of **37÷57 V DC**. The unit provide power through 1/2 (+) i 3/6 (-) in Ethernet Cable that according to the Ethernet standard are also used to transmit data. The Power supply can be used in Gigabit Ethernet. The unit is protected against overvoltage and overload.

1.2. Technical parameters.

Supply voltage	~100 - 240 V; 50/60 Hz
Current consumption	0,4 A
Supply power	15,4 W max.
Efficiency	87%
Output voltage	52 V
Output current	0,3 A
Ripple voltage	150mV p-p max.
Overload protection OLP	150-200% of power supply, automatic recovery
Optical signalization	PWR – presence of DC voltage PoE – presence of DC voltage at PoE output
Operation conditions	Temperature: -10°C ÷ +40°C, relative humidity 20%...90%, without condensation
Dimensions (LxWxH)	119 x 61 x 38 [mm]
Net/gross weight	0,33 / 0,42 [kg]
Protection class EN 62368-1	II (second)
Length of detachable AC cable	1,2m
Storage temperature	-20°C...+60°C

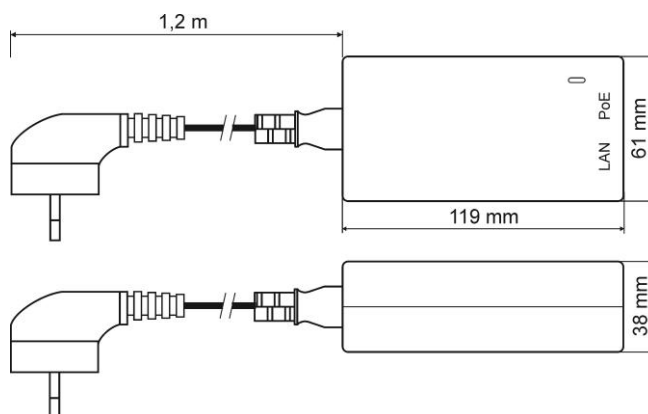


Fig.1. Dimension of power supply.

2. Installation.

2.1. Requirements.

The power supply should be installed by a qualified installer, holding relevant permits and licenses (applicable and required for a given country) for low-voltage installations. Unit should be mounted in confined spaces, in accordance, with normal relative humidity (RH=90% maximum, without condensing) and temperature from -10°C to +40°C. Device is designed for operation in 10 Mb/s, 100 Mb/s or 1000 Mb/s (**so-called Gigabit Ethernet**) ethernet networks. Connections between the extender and the network device must be made using a min. UTP CAT.5e.

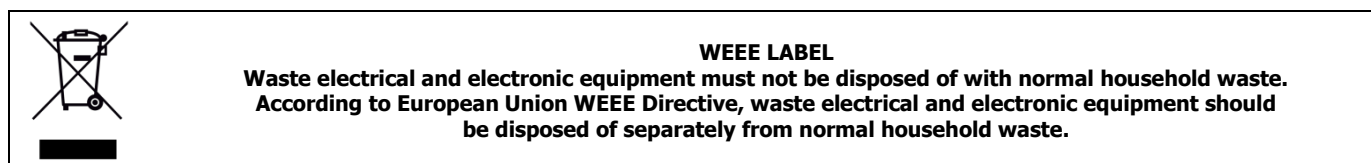
The power supply unit is designed for a continuous operation and is not equipped with a power-switch. Therefore, an appropriate overload protection in the power supply circuit should be provided. Moreover, the user shall be informed about the method of disconnecting the mains voltage (usually through assigning an appropriate fuse in the fuse-box. The electrical system shall follow valid standards and regulations.

2.2. Installation procedure.

1. Connect the Ethernet cables to the RJ45 ports: Ethernet IN, PoE. Attach a LAN data cable patch cord from Ethernet Switch port to the RJ45 connector on PoE unit marked "Ethernet IN". Then attach a second patch cable from the "PoE" RJ45 connector on the PoE unit to the device to be powered.
2. Connect the power supply unit to a grounded AC power source using provided three wires power cord. The power supply has to be installed in such way to keep the air flow around the supply unit.
3. After tests and operation control are performed, the casing (cubicle) shall be closed etc.

3. Maintenance.

Any and all maintenance operations may be performed following the disconnection of the power supply from the power network. The power supply does not require any specific maintenance procedures.



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