AWZ603
v1.0
PoE4/0,5-1A/2,5/AW/R
Power supply distribution module for IP cameras (PoE)

Edition: 3 from 10.04.2018
Supercedes the edition: 2 from 06.10.2015

EN**

1. Description.

The PoE4 power supply distribution module is designed to supply 4 IP devices e.g. web cameras, access points, etc.) requiring voltage of **20V÷56V DC**. The power is supplied with use of four-pair twisted pair, using the **4/5 (+)** and **7/8 (-)** pairs, which, in accordance with the Ethernet network standard, are not used for data transmission (data transmission is performed using 1/2 and 3/6 pairs). The module cannot be used in Gigabit Ethernet, where all twisted pairs are involved in data transmission! The module is equipped with two power inputs: screw connector, the DC5.5 / 2.1 socket and four independent **PoE1 ÷ PoE4** outputs for connecting cameras. Each output is fitted with short-circuit protection (SCP), in the form of a fuse F 0.5A (the possibility of using 1A fuses, not supplied) and overvoltage protection - varistors. The output status is indicated by four **L1 ÷ L4** LED lights. A fuse failure is indicated by turning off the corresponding LED: L1 for PoE1 etc. Additionally, in the case of failure, the FPS output FPS (hi-Z status) and FPS LED are activated, while relay contacts are switched. The FPS output may be used for remote control of the PoE module, e.g. external optical indication. The module is adapted for connection of cables with a maximum cross section of **2,5mm^2**.

2. Module description.

2.1. Description of components and connectors of the module.

Component no [fig. 2]	Description
[1]	**DC 5,5/2,1** socket – power input module
[2]	**+IN-** screw connection, power input module
[3]	**FPS** technical output of failure, OC type
[4]	**FPS** technical output of failure, relay
[5]	**F1 ÷ F4** fuses in PoE (+) circuits
[6]	**L_{IN}** - LEDs red indicating the presence of voltage at the **IN** in
[7]	**L_{FPS}** (red) diode indicating failure
[8]	**L1 ÷ L4** LEDs: green
[9]	**PoE 1 ÷ PoE 4** Network outputs (Ethernet + power) for connecting cameras
[10]	**LAN 1 ÷ LAN 4** wyjścia sieciowe (Ethernet for connecting a network switch (Ethernet switch / hub)
[11]	Mounting panel

3. Specifications.

Supply voltage	20V÷56 V DC (-2%/+2%)
Output voltage	$U_{PoE} = U_{IN}$ (equal to supply voltage)
Current consumption	16mA @ Uin=24 V DC 32mA @ Uin=48 V DC
Number of power inputs	2: DC jack 5,5/2,1 or screw connection – **2,5mm^2** max. cable
Number of power outputs	4 (PoE terminals) – RJ-45 jack
Protections against: **- a short circuit SCP** **- an overload OLP** **- a surge**	 - 4 x F 0,5A (the possibility of using 1A fuses, not supplied) - varistors
LED indication	- LEDs: green **L1 ÷ L4** –PoE1÷PoE4 outputs status - LEDs red **L_{FPS}** supply voltage indicator
Fuses F1 ÷ F4	F 0,5A
Operating conditions	II environmental class, -10°C ÷ 50°C
Dimensions	L=150, W=53, H=25 (+/-2mm)
Installation	A mounting panel with an adhesive tape, mounting screws x 2 (holes ∅3mm)
Connectors: **- power supply input** **- input/output LAN/PoE**	 DC 5,5/2,1 socket or screw connection Φ0,41÷2,59 (AWG 26-10), 0,2÷2,5mm^2 RJ-45 8p8c socket
Declaration, warranty	CE, 2 year from the production date
Net/gross weight	0,12kg / 0,15kg

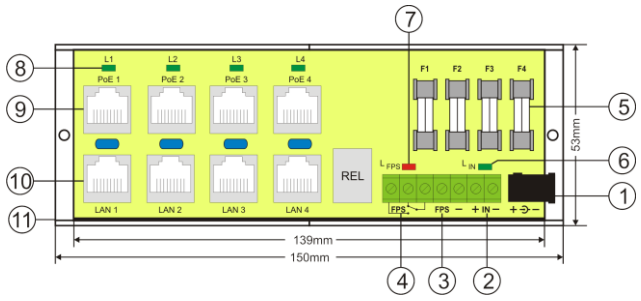

Fig. 1. The view of the module.

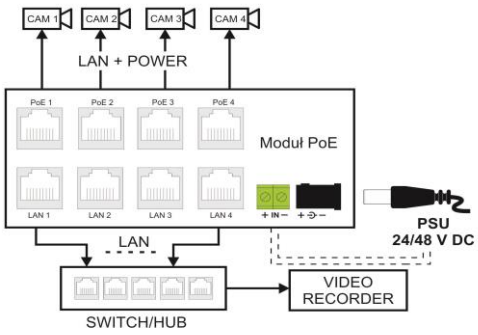

Fig. 2. Example diagram of a connection with the module.

WEEE PARKING

According to the EU WEE Directive – It is required not to dispose of electric or electronic waste as unsorted municipal waste and to collect such WEEE separately.

Pulsar
Siedlec 150, 32-744 Łapczyca, Polska
Tel. (+48) 14-610-19-40, Fax. (+48) 14-610-19-50
e-mail: biuro@pulsar.pl, sales@pulsar.pl
http:// www.pulsar.pl, www.zasilacze.pl