

### 1. Description.

The fuse module is intended for dividing power in low-voltage alarm systems (power distribution). It features IN input for supply power of: **10V÷30V DC** or **10V÷24V AC** (e.g. buffer PSU, transformer etc.). The LB4/AW/R module has four power outputs AUX1÷AUX4, secured separately. Each AUX output is protected against a short circuit (SCP) with a glass fuse (F 0,5A or F 1,0A) or a polymer fuse 0,5A and against surges – via varistors. Status of the outputs is indicated by four LEDs - L1÷L4. Fuse damage is indicated by an appropriate LED going out: L1 for AUX1 etc. In case of a failure, the FPS output changes its state into hi-Z and the **L<sub>FPS</sub>** LED is illuminated and the relay contacts change their position. The FPS output can be used for a remote control of LB4/AW/R state, e.g. external optical indication.

### 2. Module description.

#### 2.1. Description of components and connectors of the module.

Element nr [fig. 1]	Description
[1]	L1 ÷ L4 green LEDs
[2]	F1 ÷ F4 fuses in the AUX (+) circuits
[3]	AUX1 ÷ AUX4 independently secured outputs, common terminal COM (-)
[4]	FPS failure technical output, type OC
[5]	FPS failure technical output, relay
[6]	Screw connector – module's power input
[7]	Mounting panel
[8]	L <sub>FPS</sub> (red) LED indicating failure
[9]	Jumper for fuse - glass fuse/PTC

#### 3. Specifications.

<b>Supply voltage</b>	10V÷30V DC (-2%/+2%) 10V÷24V AC (-2%/+2%)
<b>Output voltage</b>	$U_{AUX} = U_{IN}$ (equal to supply voltage)
<b>Current consumption</b>	15mA÷ 42mA @ $U_{in}=10 \div 30V$ DC 37mA÷ 42mA @ $U_{in}=10 \div 24V$ AC
<b>Number of power inputs</b>	1 (a screw connector)
<b>Number of power outputs</b>	4 (AUX terminals)
<b>Protections against:</b>	- 4 x F 0,5A or 4x F 1,0A fuse (manual replacement of the included fuse), or PTC 0,5A. - an overload OLP - a surge
<b>LED indication</b>	- green LED L1 ÷ L4 – status of the AUX1÷AUX4 outputs - red LED L <sub>FPS</sub> – indicates failure
<b>F1 ÷ F4 fuses</b>	F 0,5A or F 1,0A (included) or PTC 0,5A
<b>Operating conditions</b>	II environmental class, -10°C ÷ 50°C
<b>Dimensions</b>	125 x 43 x 32 (WxHxD) [mm] (115 x 40 x 30 dimensions of the panel)
<b>Installation</b>	A mounting panel with an adhesive tape, mounting screws x2 (holes 3mm) or spacers x 4 (PCB fi=4,2 mm)
<b>Connectors:</b>	- of power output - of power input
<b>Net/gross weight</b>	0,06kg / 0,10kg
<b>Declarations, warranty</b>	CE, RoHS, 2 year from the production date

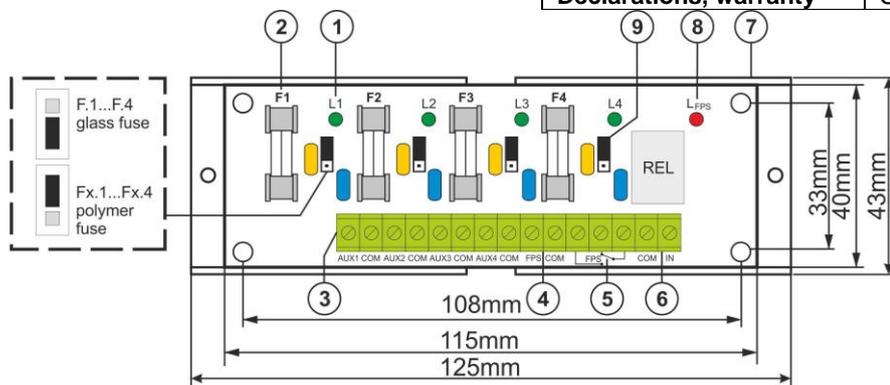


Fig. 1. The view of the module.

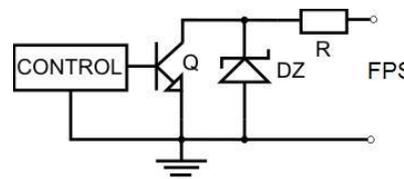


Fig. 2. Electrical diagram of the OC output.

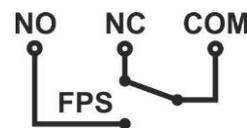


Fig. 3. Electrical diagram of the relay output

#### 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.

#### WARRANTY

Pulsar K. Bogusz Sp.j. (the manufacturer) grants a two-year warranty for the equipment, counted from the device's production date.

#### Pulsar K.Bogusz Sp.j.

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