



AWZ540

v2.0

MZN1

Over voltage protection module



Edition: 5 from 10.04.2018
Supersedes: 4 from 20.02.2014

EN*

1. Description.

The over voltage protection module is intended for protecting systems powered with 12V DC against being supplied with too high supply power (e.g. as a result of damaged stabilising system of a PSU). When the maximum accessible input voltage is detected, the output is cut off protecting the receivers from damaging. Activation of the system is indicated by the red LED – L1.

2. Module description.

2.1. Description of components and connectors of the module.

Element no. [fig. 1]	Description
[1]	L1 red LED (indicates activation of the system that cuts off the output voltage)
[2]	Screw connector – module's output
[3]	Screw connector – module's power input
[4]	Mounting panel

3. Specifications.

Supply voltage	9V ÷ 40V DC
Output voltage	9V ÷ 14,1V DC (+/-0,4V)
Output disconnection voltage	14,1V (+/-0,4V)
Switching hysteresis	+/-0,1V
Load current	4A max
Voltage drop	$\Delta U=0,2V$ max @4A
Approximate time of voltage disconnection	100us @ I=1,7A
Approximate time of voltage connection	250us @ I=1,7A
LED indication	Red LED - L1- (indicates activation of the system that cuts off the output voltage)
Operating conditions	II environmental class, -10°C ÷ 50°C
Dimensions	L=50, W=43, H=26 (+/-2mm)
Installation	installation tape or installation bolt x2
Connectors	Screw connectors $\Phi 0,41 \pm 1,63$ (AWG 26-14)
Net/gross weight	0,02kg / 0,04kg
Declarations, warranty	CE, 2 year from the production date

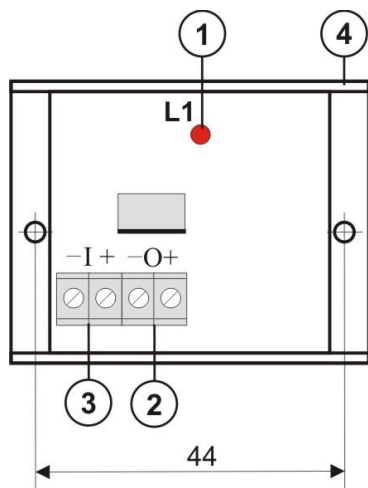


Fig.1. The view of the module.

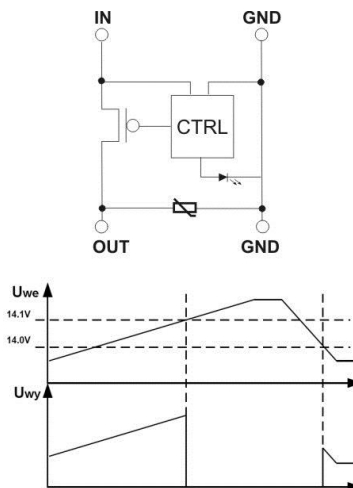


Fig.2. Electrical scheme and voltage waveforms.

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.

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