

# MVDD-B – Protection for Battery loading & unloading

## ◆ Description ◆

**MVDD-B** used for Battery protection. As Bat. voltage exceeds set points (above **Set Hi** and under **Set Low**) the output relay will be OFF, relay will be ON when it is in between. The set points can be adjusted by internal pot' **HI** and **LO**.

3 models are available according to the Bat. voltage: **MVDD-B-12**, **MVDD-B-24**, **MVDD-B-48**.



## ◆ Specifications ◆

Table 1

Battery	Input voltage range according to the Battery models
12V	10 ÷ 16V
24V	22 ÷ 28V
48V	43 ÷ 53V

**Output:** relay N.O. 250 VAC/5A.

**Hysteresis** 2V (different between relay is ON and OFF)

**Ambient Temp.:** -20 + +55°C

**Enclosure:** plastic case UEGM 25

**Size:** W 25 x H 79 mm and depth D 93 mm.

**Protection:** IP-40 **Mounting:** DI N-rail

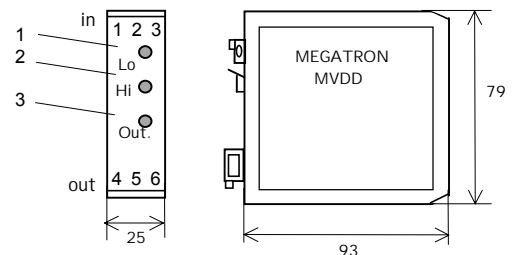
**Connection:** screw terminals (2.5mm 2 wires max)

## ◆ Panel description ◆

[1] LO - LED indicates Bat. (input) voltage under Set LO.

[2] HI - LED indicates Bat. voltage above Set HI.

[3] OUT -LED indicates relay ON.



## ◆ Operation ◆

The output relay will be ON when Battery is in voltage range (see Table 1).

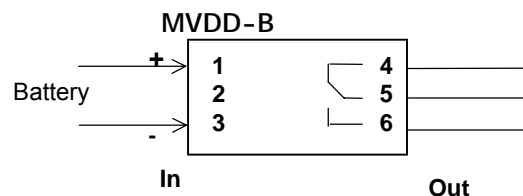
The output relay will be OFF in voltage deviation. When the voltage is return to Battery range the relay will activate after 0-10 sec delay. The delay can be adjusted by external pot'.

## ◆ Order ◆

Model	Voltage
MVDD-B	48V
	24V IAK
	12V IAK

MVDD B-S-1-05-E

## ◆ Connection ◆



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