

# User manual Dimmer Mosfet

## DIM-211-D-01

Universal dimmer module for DIN rail assembly enables smooth control of the light intensity level.



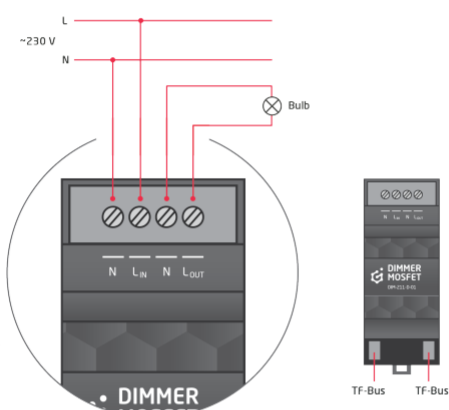
### 1. Technical data

Device power supply	24 V <sub>dc</sub>
Maximal power consumption	1.6 W
Maximal device current	67 mA (for 24 V <sub>dc</sub> )
Maximal load current	1.1 A
Maximal impulse load current RMS(20ms)	1.5 A
Maximal resistive load	250 VA
Rated load voltage	230 V <sub>ac</sub>
Maximal load voltage	277 V <sub>ac</sub>
Switch type	2x MOSFET transistor
Max. wire cross section	2,5mm <sup>2</sup>
Weight	85 g
Size [DIN]	2
Fixing	electrical box, rail DIN-3 / TH 35 / TS 35
Dimensions (H/W/D)	58/36/90 mm
Operating temperature range	0 to +45 °C

- For load types other than resistive, the maximum load has to be at least two times lower than for resistive load.

- It is highly recommended to verify if the dimmer device works properly with the load in the target system, every time before installation.

### 2. Wiring diagram



N	"N" input signal
Lin	"L" input signal
N	"N" output signal
Lout	"L" output signal

### 3. Warnings and cautionary statements



#### ATTENTION !

- Before proceeding with the assembly, read the installation schematics and full instructions available at [www.grenton.com](http://www.grenton.com). Failure to follow the guidelines contained in the instructions and other requirements of due care valid as a result of the nature of the equipment (device) may be dangerous to life / health, damage the device or installation to which it is connected, damage other property or violate other applicable regulations. The manufacturer of the device, Gren-

ton Sp. z o.o. does not bear any responsibility for the damage (property and non-property related) resulting from the assembly and / or use of the equipment not in accordance with the instructions and / or due diligence in handling the equipment (device).

- Device power supply, permissible load or other characteristic parameters have to be in accordance with the device specification, described in particular in the "Technical data" section.
- The product is not intended for children and animals.
- If you have technical questions or comments about the device operation, contact Grenton Technical Support.
- Answers to frequently asked questions can be found at: [www.support.grenton.pl](http://www.support.grenton.pl)



#### DANGER !

- Danger to life caused by electric current!
- The components of the installation (individual devices) are designed to work in a home

electrical installation or directly in its vicinity. Incorrect connection or use may cause a fire or electric shock.

- All work related to the installation of the device, in particular works involving interference in the electrical installation, may be performed only by a person with appropriate qualifications or licences.
- When installing the device, make sure that the power supply voltage is disconnected from the circuit in which the device is connected or near which the assembly takes place.

### 4. CE marking

The manufacturer declares that the device is in full compliance with the requirements of EU legislation that includes the directives of a new approach appropriate for this equipment. In particular, Grenton Sp. z o.o. declares that the device fulfills the requirements on safety, specified by law, and that it conforms to the national

regulations that implement the appropriate directives: The Directive on the electromagnetic compatibility (EMC - 2014/30/UE) and the Directive on the limitation of the use of specific substances in electrical and electronic equipment (RoHS II - 2011/65/UE).



### 5. Warranty

Warranty available at: [www.grenton.com/warranty](http://www.grenton.com/warranty)

### 6. Manufacturer contact details

Grenton Sp. z o.o.

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