

User Manual Dimmer Mosfet FM

DIM-231-T-01

Universal transistor dimmer module for flush mounting enables smooth control of the light intensity level.

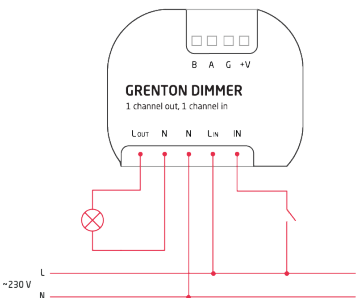


1. Technical data

Device power supply	24V _{dc}
Maximum power consumption	0,36W
Maximum device current	15mA (for 24V _{dc})
Maximum load current	0,87A
Maximum impulse load current RMS(20ms)	1,5A
Maximum resistive load (AC1)	200W
Maximum dimmable LED load	100VA
Rated load voltage	230V _{ac}
Maximum load voltage	277V _{ac}
Switch type	2x MOSFET transistor
Max. wire cross section	2,5mm ²
Weight	27g
Fixing	flush mounted
Dimensions (H/W/D)	19/45/36mm
Operating temperature range	0 to +45°C

- For load types other than resistive (AC1), 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



Lout	'L' output signal
N	'N' output signal
N	'N' input signal
Lin	'L' input signal
IN	input 230V _{ac}
+V	device power supply
G	GND for +V power supply
A	'A' signal input
B	'B' signal input

3. Warnings and Cautionary Statements



ATTENTION I

- Before proceeding with the assembly, read the installation schematics and full instructions available at 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, Grenton 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.com.



DANGER I

- 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 na-

tional 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.

6. Manufacturer Contact Details

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