

# User manual LED RGBW

## RGB-201-D-01

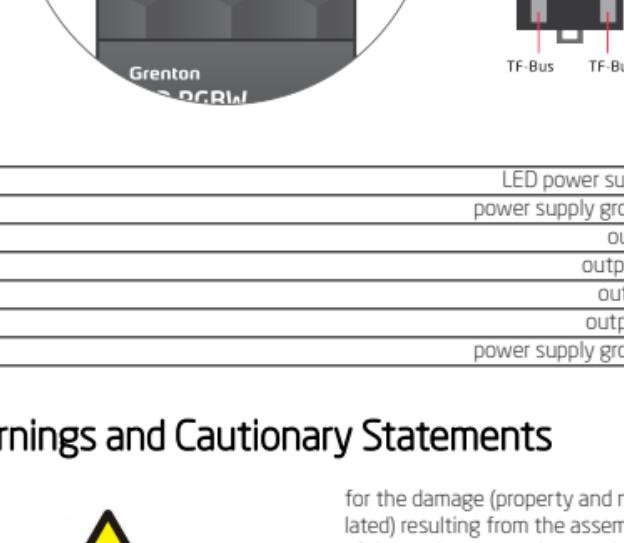
LED RGB lighting control module for DIN rail assembly enables smooth and full control of decorative lighting using LED RGBW technology.



## 1. Technical data

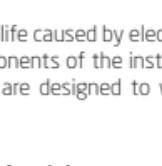
Device power supply	24V <sub>dc</sub>
Maximum power consumption	0,48W
Maximum device current	20mA (for 24V <sub>dc</sub> )
LED power supply (Vcc)	up to 24V <sub>dc</sub>
Maximum load current RGBW	20A (total for all channels)
Maximum channel load current	16A
Maximum wire cross section	2,5mm <sup>2</sup>
PWM output frequency	1kHz
Weight	64g
Size [DIN]	2
Fixing	electrical box, rail DIN-3 / TH 35 / TS 35
Dimensions (H/w/D)	58/36/90mm
Operating temperature range	0 to +45°C

## 2. Wiring diagram



Vcc	LED power supply signal
GND	power supply ground signal
R	output 'RED'
G	output 'GREEN'
B	output 'BLUE'
W	output 'WHITE'
GND	power supply ground 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, 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](http://www.support.grenton.com).



### 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 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).



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

## 6. Manufacturer Contact Details

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