

# User Manual Dali Controller

## INT-202-D-01

External Dali power supply required

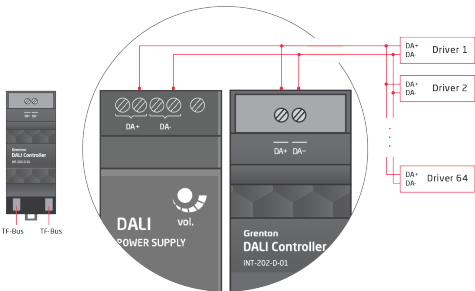
The DALI Controller module acts as a master device, in accordance with the DALI standard, it enables the operation of 64 ballasts - Control Gears, connected to the DALI bus.



### 1. Technical Data

Device power supply	24V <sub>dc</sub>
Maximum power consumption	2,2W
Maximum device current	91mA (for 24V <sub>dc</sub> )
Maximum number of addresses	64
Maximum number of group	16
Maximal DALI current	250mA
Maximum wire cross section	2,5mm <sup>2</sup>
Weight	55g
Size [DIN]	2
Fixing	electrical box, rail DIN-3 / TH 35 / TS 35
Dimensions (H/W/D)	90/36/58mm
Operating temperature range	0 to +45°C
Standard	IEC 62386-102

### 2. Wiring Diagram



DA+	DA+ signal
DA-	DA- signal

- LED status:
- Blue LED indicates voltage on Dali line.
  - Green LED indicates device status:
1. ON – there is no configuration, start Dali

- Discovery,
2. Blinking 5 Hz – Dali Discovery ongoing - wait,
  3. Blinking 1 Hz – device with configuration.

### 3. Warnings and Cautionary Statements



#### ATTENTION I

- 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 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](http://www.grenton.com/warranty).

### 6. Manufacturer Contact Details

Grenton Sp. z o.o.  
ul. Na Wierzchowinach 3  
30-222 Kraków, Poland  
[www.grenton.com](http://www.grenton.com)