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TRIDONIC 28003540 basicDIM Wireless G2 Module Installation Guide

Contents

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TRIDONIC 28003540 basicDIM Wireless G2 Module

The basic DIM Wireless G2 is a Bluetooth® DALI controller with a freely configurable push-button input and has an integrated DALI power supply. Therefore no external DALI supply is needed.

Technical Data

- Rated supply voltage 220 – 240 V
- Mains frequency 50 / 60 Hz
- Max. mains current 10 mA
- Typ. power input on stand-by < 0.4 W
- Input 1 push-button
- Max. cable length push button 5 m at 0.14-0.5 mm²
- Radio transceiver operating frequencies 2.4 – 2.483 GHz
- Max. output power radio transceiver + 4 dBm
- Output DALI (compatible)
- Number of DALI addresses1 4
- Guaranteed output current, DALI2 10 mA
- Max. output current, DALI 250 mA
- Max. DALI wiring length 5 m at 1 mm²
- Operating temperature -20 … +70 °C
- tc point 80 °C
- Storage temperature -25 … +75 °C
- Dimensions LxWxH3 80.7 x 30 x 15.3 mm
- Type of protection IP20

1. Assignment of max. 4 single / group addresses, depending on the device profile.
2. Max. 5 loads.
3. Screw fixings can be removed.

Installation Instructions

Make sure that the mains voltage is switched off when making any connections. Use 0.2 – 1.5 mm² solid or stranded electrical wires for the mains supply / DALI terminals and 0.14 – 0.5 mm² for the push-button terminals. Strip the wire 8.5 – 9.5 mm from the end. Make sure to connect the input and outputs correctly. Mains input connector is marked with the letters L and N.

Compatible devices

Compatible with all Android 4.4 (KitKat) or later, iPhone 4S (iOS 5.0) or later, and iPAD 3 (iOS 5.1) or later. Hereby, Tridonic declares that the radio equipment type basicDIM Wireless G2 is in compliance with Directive 2014/53/EU. Hereby, Tridonic declares that the radio equipment type basicDIM Wireless G2 is in compliance with Directive UK SI 2017 No. 1206. The full text is available at the following internet address: **https://trid.help/en28003540cer**.

Wiring diagram DALI
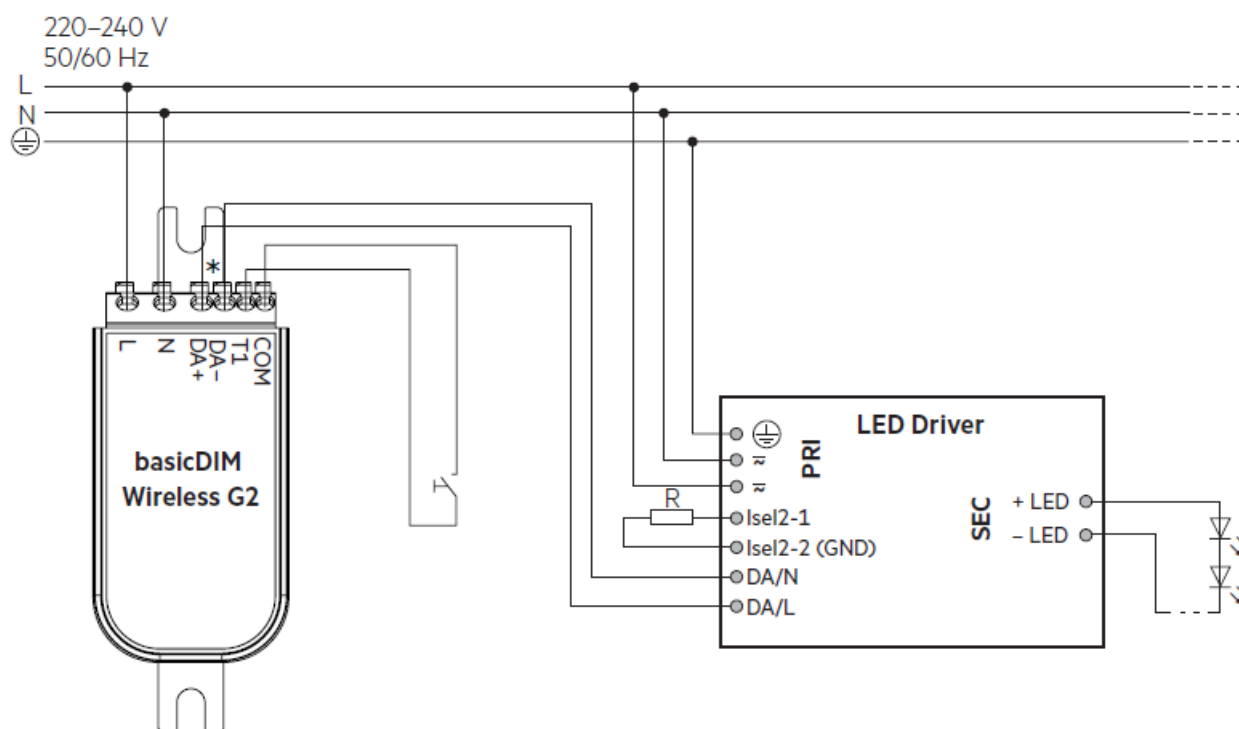
Max. wiring length 5 m with integrated DALI power supply and a cross-section of 1 mm².

Mains supply / DALI wires:
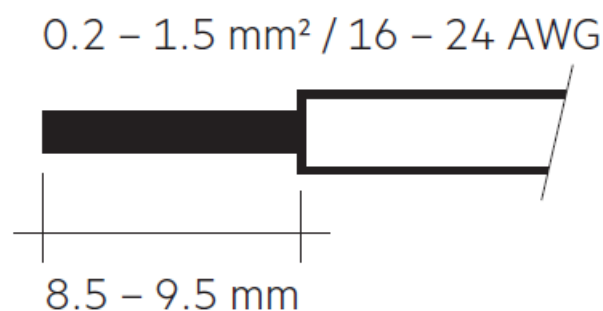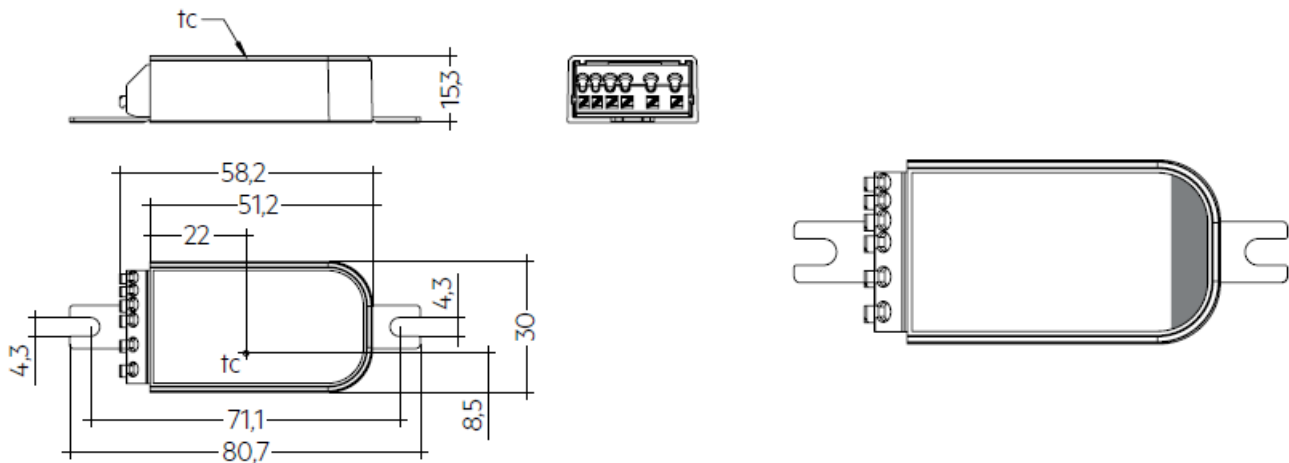

solid/fine-stranded

Push-button input wires:

$$0.14 - 0.5 \text{ mm}^2 / 20 - 25 \text{ AWG}$$

$$8.5 - 9.5 \text{ mm}$$
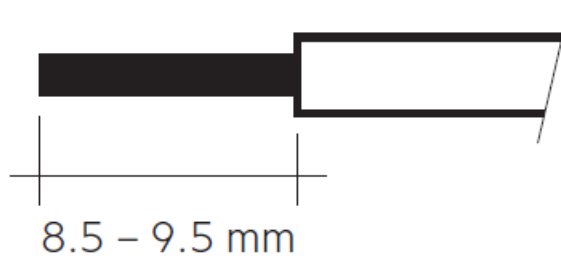
solid/fine-stranded

Antenna is located on the top of the device

Safety instructions

- Installation of this device may only be carried out by specialist staff who have provided proof of their skills.
- Switch off the mains supply before handling the device.
- Observe the relevant safety and accident prevention regulations.

Areas of application

The device may only

- be used for the applications specified.
- for safe installation in a dry, clean environment.
- be installed in such a way that access is only possible using a tool.

09/22-15014468-2 We reserve the right to make technical changes without prior notice.

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Documents / Resources
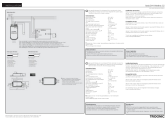
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28003540 basicDIM Wireless G2 Module, 28003540, basicDIM Wireless G2 Module, Wireless G2 Module, Module

References

- **T** **Lighting solutions for smart indoor and outdoor lighting â€" Tridonic**
- **T** **Certificates for 28003540**