

TRIDONIC 28004482 Wireless Module MTR Matter Capable DALI Controller Instruction Manual

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TRIDONIC 28004482 Wireless Module MTR Matter Capable DALI Controller



Product Information

The Wireless Module MTR is a Matter-capable DALI controller with a freely configurable push-button input and integrated DALI power supply. It eliminates the need for an external DALI power supply.

Technical Data

- **Rated supply voltage:** Not specified
- **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:** Not specified
- **Radio transceiver operating frequencies:** Not specified
- **Max. output power radio transceiver (E.R.I.P.)¹:** < +20 dBm
- **Output:** DALI (compatible)
- **Guaranteed output current, DALI2:** 10 mA
- **Max. output current, DALI:** 250 mA
- **Max. DALI wiring length:** Not specified
- **Turn on time:** 2 s
- **Operating temperature:** Not specified
- **Storage temperature:** Not specified
- **Dimensions LxWxH3:** 80.7 x 30 x 15.3 mm
- **Type of protection:** IP20
- **Article number/Artikelnummer:** 28004482

Product Usage Instructions

1. Ensure that the rated supply voltage is compatible with the Wireless Module MTR.
2. Connect the N and L wires according to the wiring diagram DALI.

3. Connect the PRI and SEC wires from the LED Driver to the corresponding terminals on the Wireless Module MTR.
4. Connect the Isel – and Isel – (GND) wires to their respective terminals on the Wireless Module MTR.
5. Connect the DA/N and DA/L wires to their respective terminals on the Wireless Module MTR.
6. Connect any additional wires or cables as required for your specific setup.
7. Ensure that the push-button input is configured as desired using the freely configurable settings.
8. Place the Wireless Module MTR in a suitable location with proper ventilation and protection from external elements.
9. Verify that the Wireless Module MTR is in compliance with Directive 2014/53/EU and Directive UK SI 2017 No. 1206.
10. For more detailed instructions, refer to the full text available at <https://trid.help/en28004482cer>.

Note:

It is important to consult the user manual and follow all safety guidelines provided by Tridonic GmbH & Co KG.

The Wireless Module MTR is a Matter-capable DALI controller with a freely configurable push-button input and integrated DALI power supply, therefore no external DALI power supply is necessary.

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 (E.R.I.P.)¹ < +20 dBm
- Output DALI (compatible)
- Guaranteed output current, DALI2 10 mA
- Max. output current, DALI 250 mA
- Max. DALI wiring length 5 m at 1 mm²
- Turn on time ≤ 2 s
- Operating temperature -20 ... +70 °C to point 80 °C
- Storage temperature -25 ... +75 °C
- Dimensions LxWxH3 80.7 x 30 x 15.3 mm
- Type of protection IP20

1. E.I.R.P.: Equivalent Isotropically Radiated Power.
2. Max. 5 loads.
3. Screw fixings can be removed.

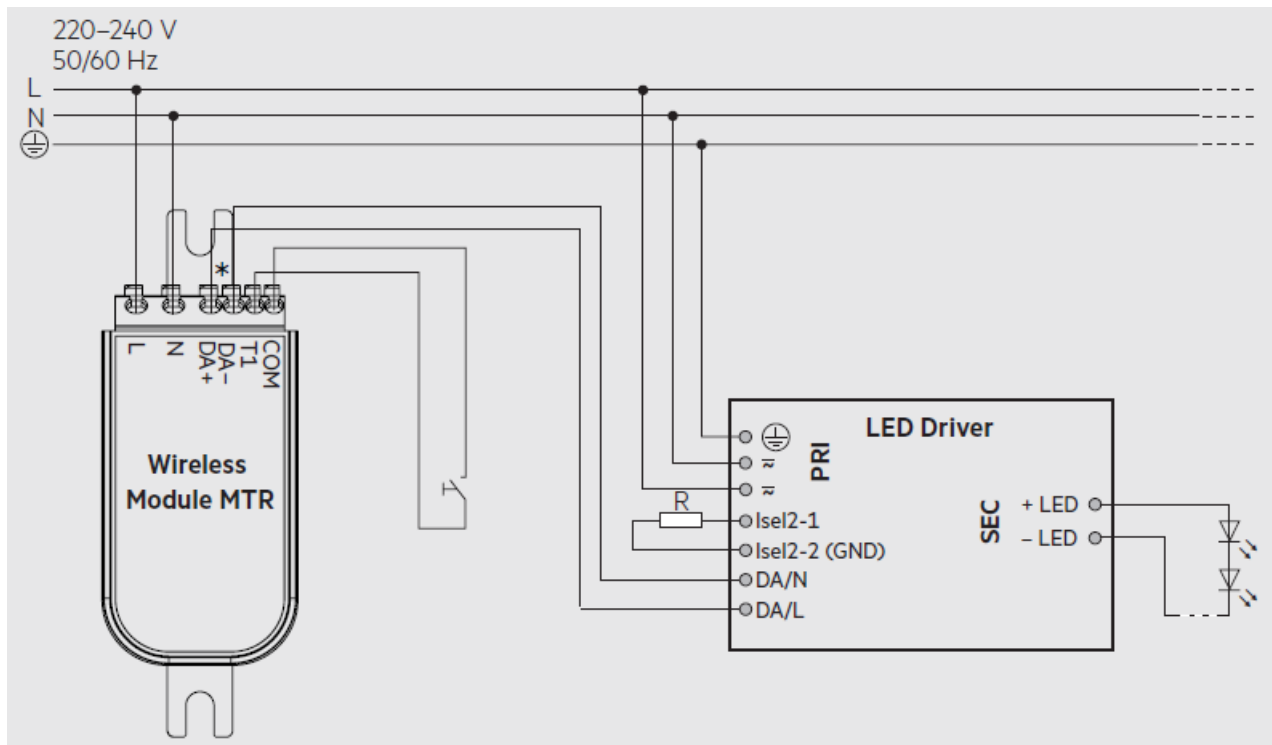
Installation Instructions

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 letters L and N.

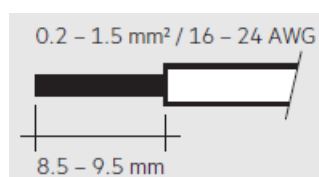
- Hereby, Tridonic declares that the radio equipment type Wireless Module MTR is in compliance with Directive 2014/53/EU.
- Hereby, Tridonic declares that the radio equipment type Wireless Module MTR is in compliance with Directive UK SI 2017 No. 1206.
- The full text is available at the following internet address: <https://trid.help/en28004482cer>.

Wiring diagram DALI



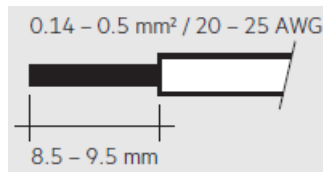
- **Max.** wiring length 5 m with integrated DALI power supply and a cross-section of 1 mm².
- **Max.** Verdrahtungslänge 5 m mit interner DALI-Stromversorgung bei einem Drahtquerschnitt von 1 mm².
- **Max.** Longueur de câblage 5 m avec alimentation DALI interne avec une section de fil de 1 mm².
- **Max.** Lunghezza del cablaggio 5 m con alimentazione interna DALI con una sezione del filo di 1 mm².
- **Max.** Longitud de cableado de 5 m con fuente de alimentación DALI interna con una sección de cable de 1 mm².
- **Max.** Kabellängd 5 m med intern DALI-strömförsörjning med ett ledartvärsnitt på 1 mm².

Mains supply / DALI wires:



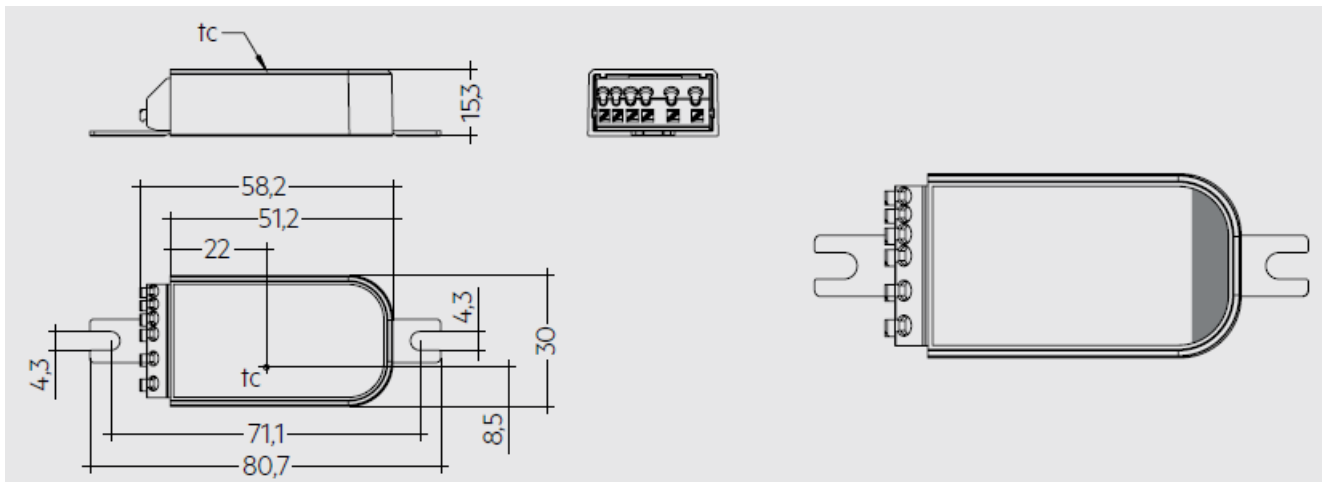
- solid/fine-stranded

Push-button input wires:



solid/fine-stranded

- The 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.

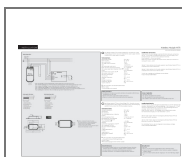
Areas of application

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.

12/22-15015377-0 We reserve the right to make technical changes without prior notice. Tridonic GmbH & Co KG, www.tridonic.com, info@tridonic.com, Tel. +43 5572 395-0.

Documents / Resources



[TRIDONIC 28004482 Wireless Module MTR Matter Capable DALI Controller](#) [pdf]

Instruction Manual

28004482, 28004482 Wireless Module MTR Matter Capable DALI Controller, Wireless Module MTR Matter Capable DALI Controller, Module MTR Matter Capable DALI Controller, Matter Capable DALI Controller, DALI Controller

References

- [!\[\]\(849840539e55921a3851a4ff96d7400d_img.jpg\) Lighting solutions for smart indoor and outdoor lighting – Tridonic](#)
- [!\[\]\(c176e0b06f6c5dd85a4598b214d1ebba_img.jpg\) Wireless module MTR](#)