Manuals+ — User Manuals Simplified.

TRIDONIC CIS 30 DA2 Multi Master Controller Installation Guide

TRIDONIC CIS 30 DA2 Multi Master Controller Installation Guide

Contents
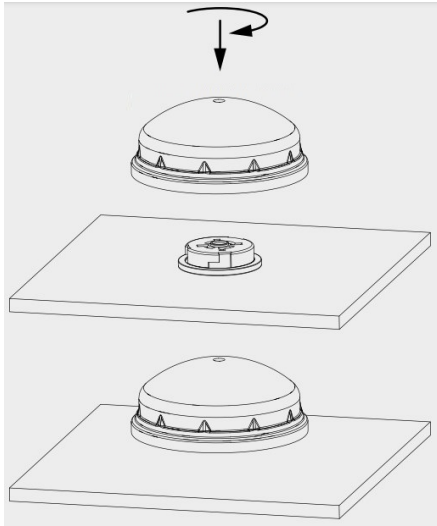
INSTALLATION

Mounting

Push and rotate clockwise

Placement

max. 100 m

Antennas

■ NFC
■ Radio / Funk / Radio / Radio / Radio / Radio
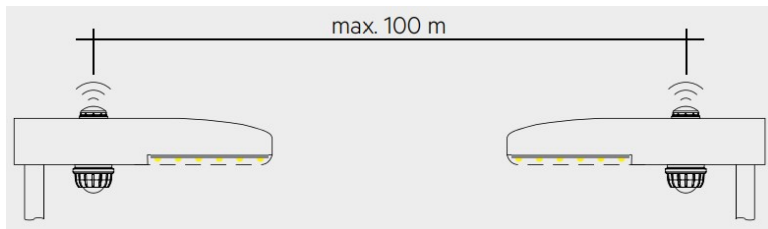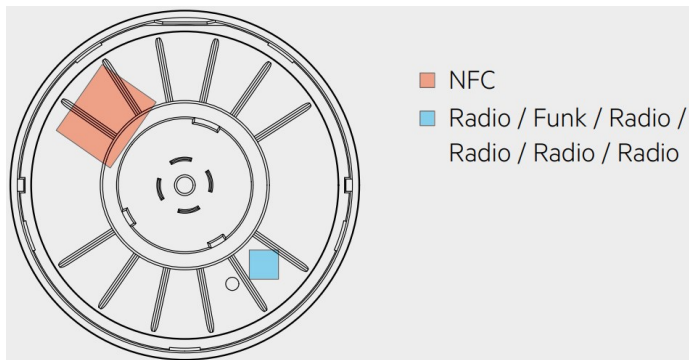
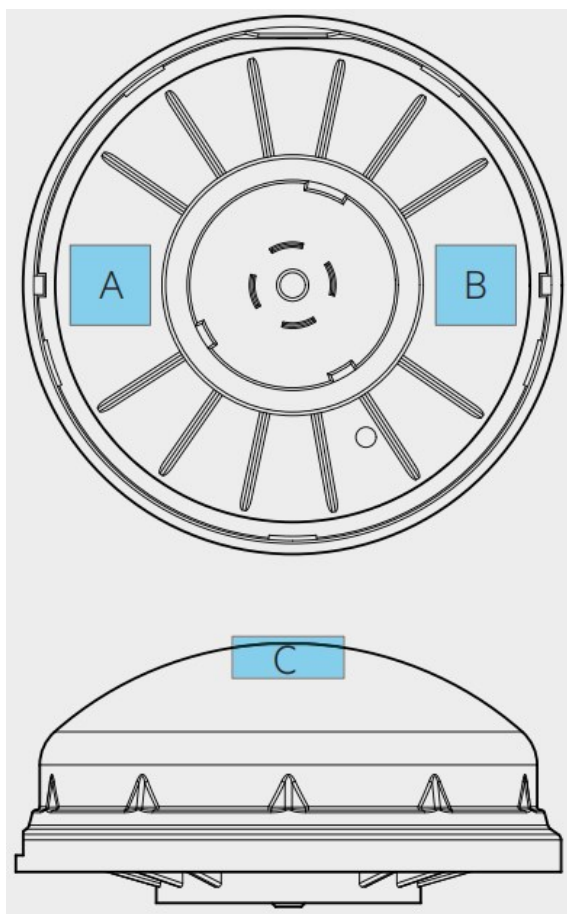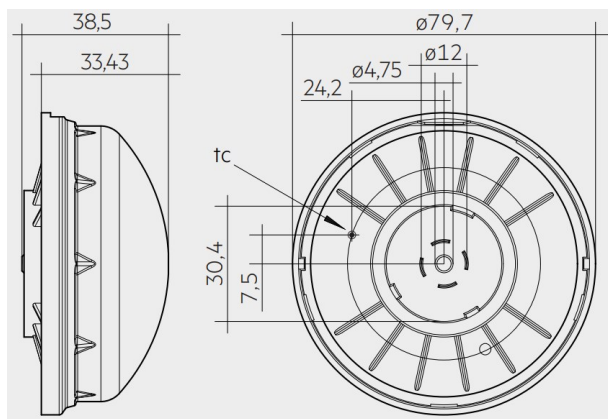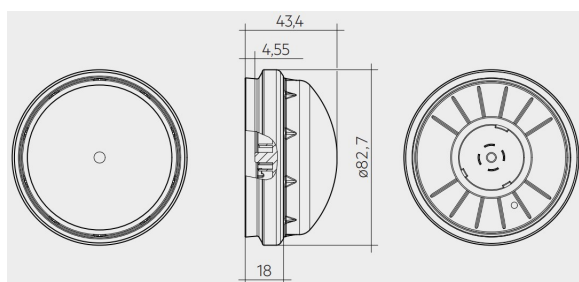## QR Code

04/22-15013377-2 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
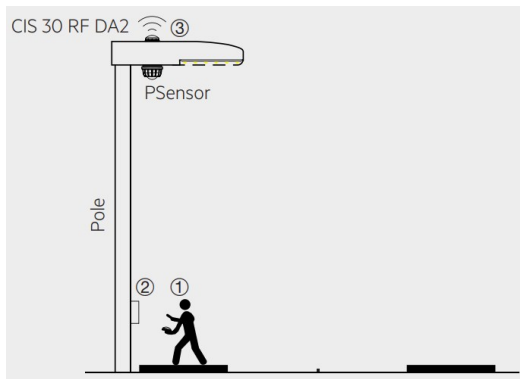
Dimensional drawing

Dimensional drawing with rain skirt

Installation process

1. Scan QR Code C with groupCONTROL configTOOL.
2. Stick QR Code C behind the Luminary pole maintenance door.
3. Install the RFNode.

RF Multi-Master Controller based on Zhaga receptacle using Paradox IPv6 6LoWPAN mesh-Technology.

Technical Data

- Supply voltage :24 V
- Current consumption pulsed :15.5 mA
- Power consumption pulsed :0.37 W
- Wire length for DALI and power supply: $\leq$ 3 m
- Type of installtion : Zhaga book 18 Ed. 2 socket
- Starting time: 30 s
- Max. output power radio transceiver :14 dBm
- Max. radio range :100 m
- Radio receiver sensitivity: if -99 dBm = 1 % BER at 100 kbps
- Radio protocol :802.15.4 g – 6LoWPAN
- Date rate: 100 kbps
- Date encryption: AES-128
- NFC :Yes
- Capable for firmware update :Yes
- Capable for mesh-network :Up to 300 nodes
- Ambient temperature ta :-40 … +70 °C
- Vent humidity range: 0 – 90 %
- tc: 72 °C
- Storage temperature: -40 … +85 °C
- Dimensions D x H: ø79.7 x 38.5 mm
- Dimensions with rain skirt D x H: ø82.7 x 43.4 mm
- Housing material top: PC polycarbonate
- Housing material body :PBT
- Housing colour top :Transparent smoke grey
- UV resistance: f1

- Type of protection: IP66
- Impact protection rating : $\leq$ IK09

Installation

- The RFNode must not be connected to the mains. It is supplied directly via the AUX power supply.
- DALI is not SELV. The installation instructions for mains voltage therefore apply.
- Correct RFNode operation cannot be guaranteed if operated outside the ta window.
- The RFNode must lock. Make sure that the rain skirt seal, is not bent, no foreign parts between the seal and the fixture housing are located and that the rain skirt fits the fixture.
- Other RF signals may cause disturbances to the RFNode communication.
- The range of the communication signal is depending on the environment e.g. buildings, trees or bridges in between the RFNodes and needs to be tested and approved in the field.
- To ensure a good radio connection, do not cover the RFNode with any materials!

Safety instructions

- Installation of this device may only be carried out by specialist staff who have provided proof of their skills.
- The power supply must be switched off before handling the device.
- The relevant safety and accident prevention regulations must be observed.

Areas of application

The device may only

- be used for the applications specified.
- be installed in such a way that access is only possible using a tool.

Compatible devices

Compatible with Android 6.0, iOS 11 and Windows 10 devices with a minimum resolution of 1,280 x 720 pixels.

Hereby, Tridonic declares that the radio equipment type CIS 30 RF868 DA2 is in compliance with 2014/53/EU.

Hereby, Tridonic declares that the radio equipment type CIS 30 RF868 DA2 is in compliance with UK SI 2017 No. 1206.

The full text is available at the following internet address:
https://trid.help/en28002647cer
https://trid.help/en28003929cer

Documents / Resources

TRIDONIC CIS 30 DA2 Multi Master Controller [pdf] Installation Guide
CIS 30 DA2 Multi Master Controller, CIS 30 DA2, Multi Master Controller, Master Controller

References

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