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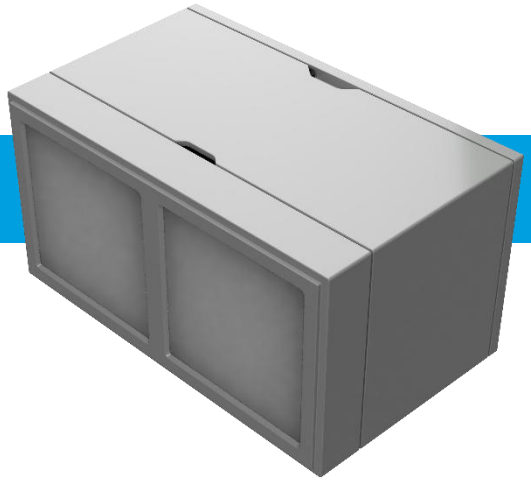
Installation instruction

Trisensor / Bisensor (CO2)



The Trisensor, Bisensor and Bisensor CO2 are products in the Mymesh program for wireless building control. The Trisensor is a wireless sensor for measurement of the room temperature, relative humidity, occupancy (number of persons), ambient light level, slight motion detection and sound pressure. The Bisensor is a variant, which only measures ambient light level and slight motion detection. The Bisensor CO2 in addition measures the CO2 concentration. All three sensors can be used as Bluetooth beacon for location based services. The sensors are powered the mains voltage using a WAGO Winsta connector. The sensors are also available with a Wieland GST connector.

Do not remove the foil at the front of the Trisensor and Bisensor since this has functional use.

Installation instructions below are written for the Trisensor, but also apply for the Bisensor and Bisensor CO2.

Safety

- Installation and service should be performed by qualified personnel only.
- The electrical installation must be in conformance with the national legislation and relevant standards.
- The mains connection of the Trisensor must be provided with a fuse or circuit breaker.
- Disconnect power at the source before installation, inspection or removal
- Do not use the Trisensor if it is damaged.
- The Trisensor is suitable for use at indoor locations (IP20 protection class).
- The Trisensor is double insulated (protection class II).

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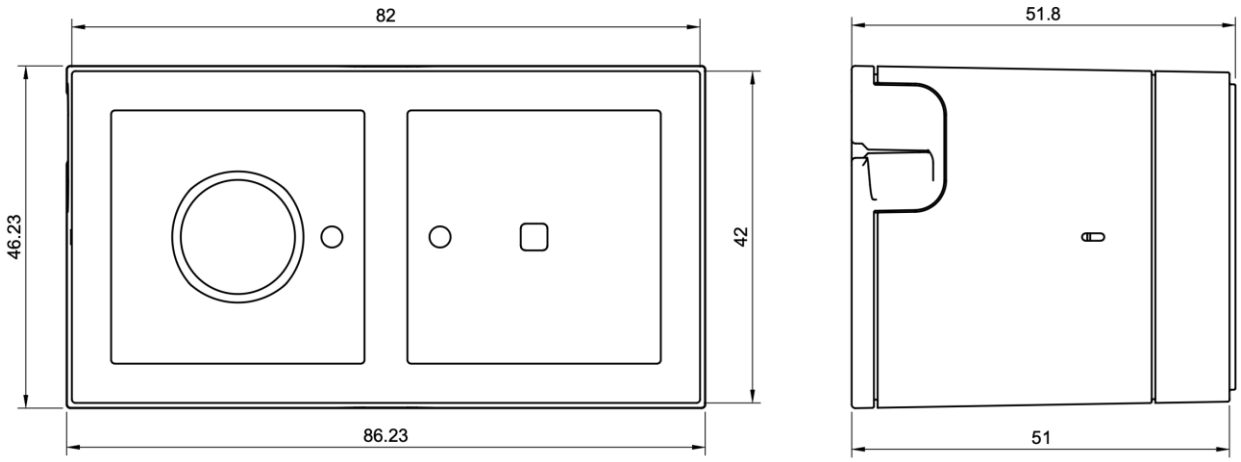
Application
Refer to the Trisensor product sheet (see mymesh.nl) for the environmental conditions.

Dimensions



Mounting
Locate the Trisensor in the direct neighbourhood of other Mymesh products. Mount the Trisensor in/at the ceiling above the desired detection zone. Use multiple Trisensors for larger areas. Read the Trisensor product sheet for the sensor specifications.

Installation
Three standard mounting options are available for the Trisensor:
- Rectangular hole
- Round ceiling adapter plate
- Rectangular connection box

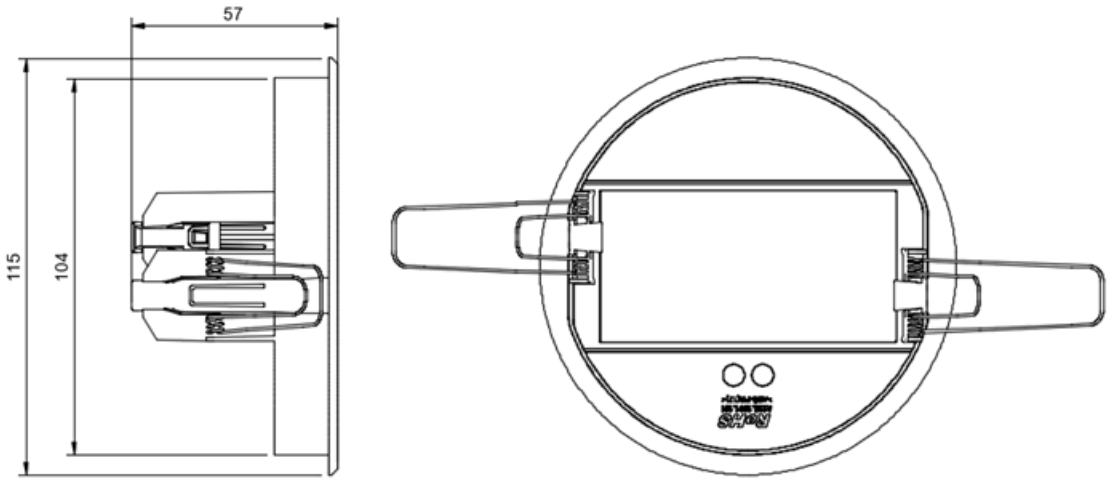
Do not touch the foil at the front of the Trisensor or Bisensor to prevent damage !!

Installation in rectangular hole
The Trisensor is suitable for mounting in a rectangular hole of 42 x 82 mm. A raised edge on the front of the Trisensor supports correct adjustment.

- Mount the Trisensor with the front in the hole.

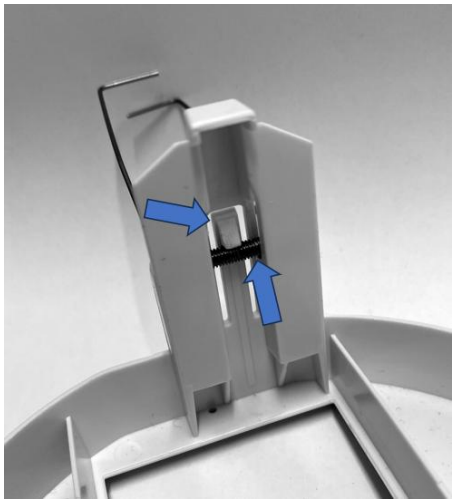
- Fixate the Trisensor using a spring roll (not supplied).
- Connect the Trisensor to the mains using the WAGO Winsta connector (mini 890-112 male)

Installation with round ceiling adapter plate
Apply the round ceiling adapter plate for mounting in a suspended ceiling

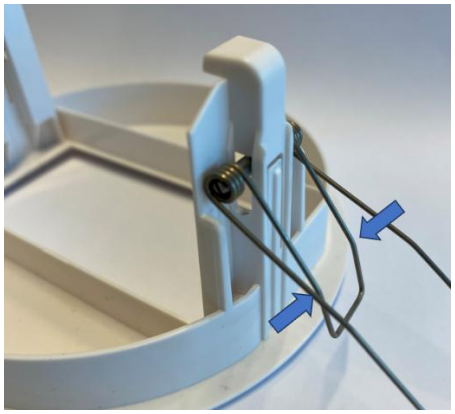


- Drill a hole of 108-110 mm in the suspended ceiling
- Mount the Trisensor in the holder
- Connect the Trisensor using the WAGO Winsta connector (mini 890-112 male) to the mains
- Push the adapter plate with long springs into the hole until the shorter springs touch the suspended ceiling. Push steady until the adapter plate is fixated
- Apply a (wooden) back plate to protect the rims of the hole at soft suspended ceiling material.

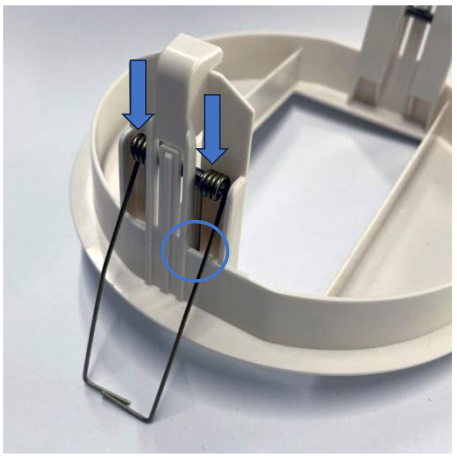
- Change the mounting of the spring roll for installation in thin (metal) ceilings:
- Push the plastic pin backwards and pull the metal spring upwards.



- Cut the short part of the metal spring at the nod (2x).

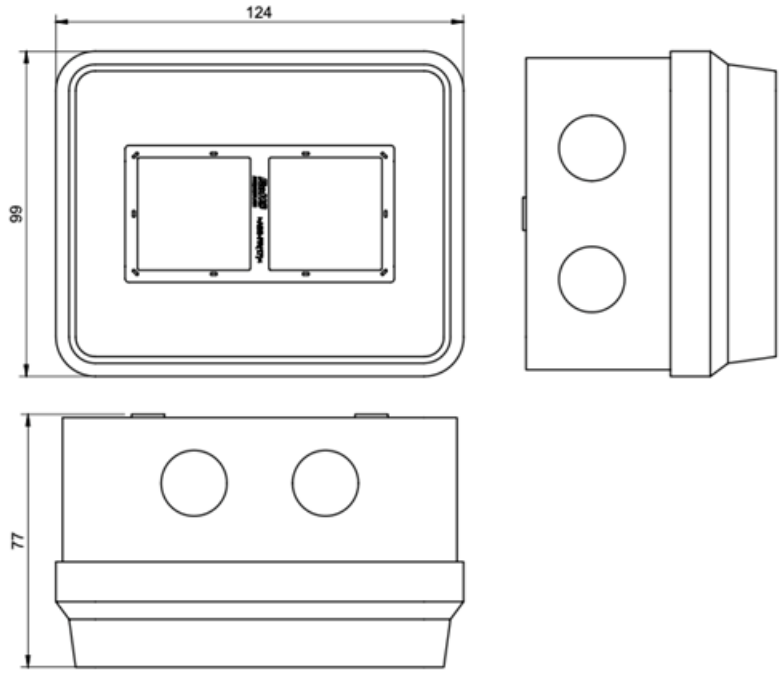


- Turn the short spring backwards and push it downwards such that the ends fall into the slots.



Rectangular connection box
Use the Attema connection box for mounting on a ceiling or cable duct.

- Open the connection box and mount these to the ceiling
- Connect the Trisensor to the mains using the WAGO Winsta connector (mini 890-112 male)
- Place the lid with Trisensor on the box.



Configuration
Use the iPad Mymesh Glass app and the Mymesh Management System (MMS) for configuration of the Trisensor.

The Trisensor is provided with an identification LED which can be activated with the Mymesh Glass app. The LED will also light when the PIR detects motion and the Trisensor still has factory settings.

Usage
The Trisensor will control the lighting and/or climate in the configured room.

Conformity
This product complies with the European directives and relevant standards for RED, REACH and RoHS. The Mymesh Trisensor / Bisensor / Bisensor CO2 is provided with a 2.4GHz radio. The applied frequency of the radio is within the band 2.401 – 2.482 GHz and the maximum transmit power is +4 dBm.

Hereby, Chess Wise B.V. declares that the radio equipment type Mymesh Trisensor / Bisensor / Bisensor CO2 is in compliance with directive 2014/53/EU. The full text of the EU declaration of conformity is available at mymesh.nl.

Repair
Do not open this product. In case of failure the Trisensor must be replaced.

Recycling
Do not dispose this product as household waste, but bring it to an appropriate collection point for recycling.