mymesh
by Chess

Installation instruction

MultiSensor
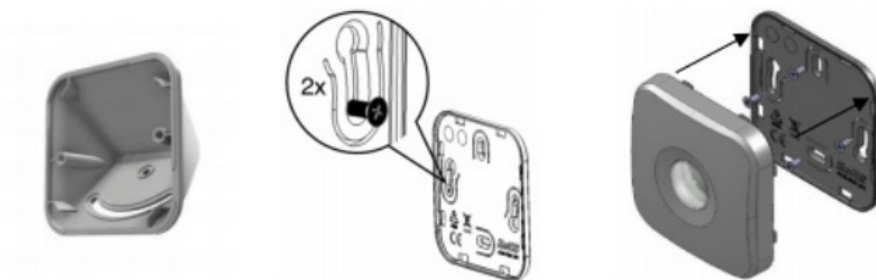
Mymesh Building Light Control

The Mymesh MultiSensor is part of the Mymesh Building Light Control product suite for wireless lighting control. The MultiSensor is a motion and light sensor with a lifetime battery for flexible wall mounting. The MutliSensor offers the possibility for daylight harvesting and automatic light control based on presence and light level.

Safety ⚠

- Installation should be performed only by qualified personnel.
- Do not use the MultiSensor if it is damaged.
- This product contains a non-replaceable and non-rechargeable Lithium battery.
- The MultiSensor has protection class IP54 and is suitable for use at indoor and covered outdoor locations.

Application

- Refer to the MultiSensor product sheet (see chess-wise.eu/downloads) for the product specifications and the environmental conditions.
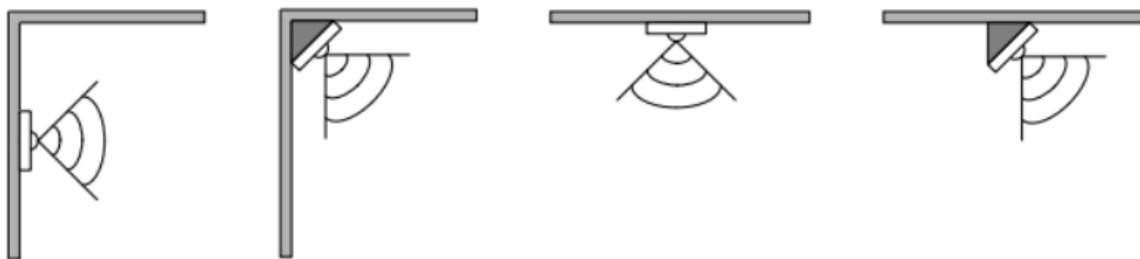

Installation

- Attach the mounting plate with at least 2 screws or double-sided adhesive tape to a wall or ceiling. Avoid positions vulnerable for mechanical impact (e.g. by transport carts).
- Use the optional 45˚ mounting bracket to place the sensor under an angle.
- Insert the MultiSensor at one side in the mounting plate and push the switch until it locks.

Placement

When you mount a MultiSensor on a wall or ceiling, please mind the following:

- Aim the MultiSensor at the desired detectionzone. Refer to the MultiSensor product sheet (see chess-wise.eu/downloads) for the detection specifications.
- Place the MultiSensor on a location without direct or (in-)direct sunlight. Ie; reflection of water or parked cars outside the space.
- Make sure that the MultiSensor is not influenced by light from another lighting group in your building.

Examples of placement

Configuration

Use the iPad Mymesh commission app for the configuration of the MultiSensor. First enable commissioning mode by pressing the hidden button (an arrow is placed on the backside). When the commissioning mode is activated, the PIR will blink red 3 times. When in commissioning mode, the motion detector is active. (Red LED = motion detected). After pressing the button or waiting 60 seconds, the MultiSensor switches back to normal mode.

Drukknop ingedrukt	LED	Functie
3 sec	3x	Commission mode (na 60 sec terug naar normal mode)
kort	2x	Normal mode

press and hold

Possible configurations of the MultiSensor:

- Motion detection (one or multiple sensors)
- Automatic daylight harvesting (with one sensor)
- Motion detection (with one or multiple sensors) and automatic daylight harvesting (with one sensor).
- Standard configuration for the MultiSensor is motion detection.

Calibration

A MultiSensor with automatic daylight harvesting will calibrate itself during the night, within 24 hours after installation. Part of this calibration is that the connected lights will be briefly switched on. The MultiSensor needs to be re-calibrated when it is moved from its original position. This can be done via the Mymesh Commissioning app.

Note: the lights can't be switched off with a floor of building (master) switch.

The automatic daylight harvesting continuously measures the light levels and will restore the level that was measured during the calibration. If there is a higher presence of sunlight, the light levels will dim down and with less sunlight, the lights dim up. The benchmark can be manually changed in the Mymesh Commissioning app.

Usage

After the commissioning process, the MultiSensor will automatically switch back to normal mode. It will function autonomously within the Mymesh network.

Compliance

This product complies with the European directives and relevant standards for low voltage, EMC, RED, REACH and RoHS. The Remote switch three button contains a radio. The applied radio frequency is within the ISM band 2400 – 2483.5 MHz (default 2403 MHz) and the maximum transmit power is +4 dBm. Hereby, Chess Wise declares that the radio equipment type Remote switch three button is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at chess-wise.eu/downloads.

Repair

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

Recycling

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