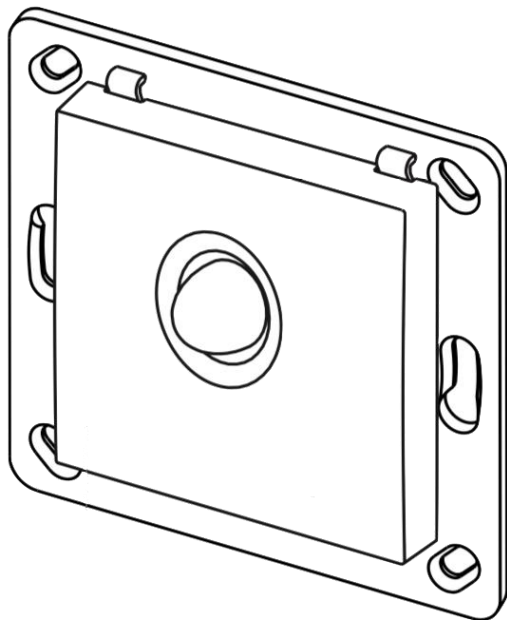
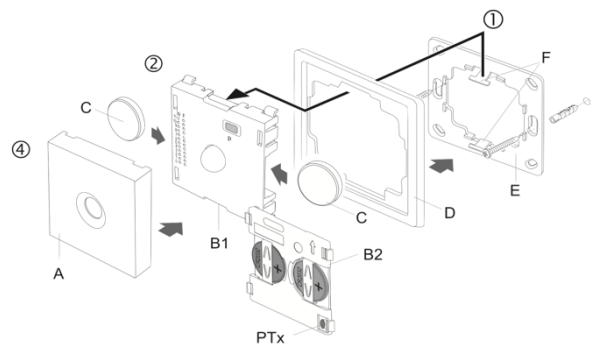


Qbus Wireless motion sensor (QWE SEN01MW)



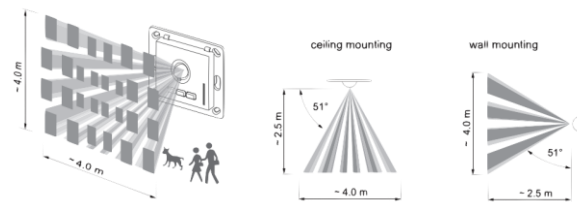
2. Place the batteries. The positive pole should be visible!
3. Connect the module with the QWI/EW by following the installation steps in System Manager III.
4. Put the cover frame on the mounting plate, lock the module onto the mounting plate and click the cover onto the whole unit.



1. Product description

The QWE SEN01MW is a battery-powered wireless motion sensor. This module detects movement and transmits this information to a QWI/EW module, which can be configured with System Manager III in order to assign an action, such as turning the light on, sending a message etc.

The motion detector is fitted with a PIR sensor and is suitable for installation in the ceiling as well as on the wall. The sensor responds to moving heat sources. To guarantee proper operation, we advise you not to install this product near heat sources, air flows or moving objects.



2. Commissioning

The distance between the installed sensor and light sources must be at least 0.5 m.

No thermal radiation is detected through obstructions (walls, glass windows etc.).

Make sure that there is no interference with the wireless connection. Do not mount the device in the immediate vicinity of large metal objects, or on or just above the floor.

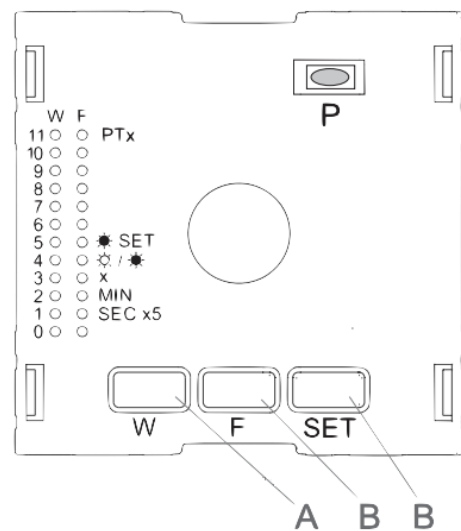
Take the following steps to mount the module:

1. Screw or stick the mounting plate in place.

3. Configuration

The standard settings of the QWE SEN01MW are as follows:

- The light sensor is switched off
- Monitoring time is 1 second (W = 0)



- P Program button
- W Value selection
- F Function selection
- SET Save the settings

Qbus Wireless motion sensor (QWE SEN01MW)

Set the monitoring time in seconds SEC x5

Set the monitoring time in 5-second intervals (max. 55 s)

1. **Button P:** LEDs W+F light up in accordance with the standard settings.
A button press is automatically cancelled after 20 seconds.
2. **Button F:** until the LED lights up for **SEC x5**
3. **Button W:** LEDs W0 to W11 light up in accordance with your selection
In five second intervals (W0=1 s, W1=5 s, W2=10 s ... W11=55 s)
4. **Button SET:** Saves the selection

Set the monitoring time in minutes MIN

Set the monitoring time in minutes from 1 min to 11 min.

1. **Button P:** LEDs W+F light up in accordance with the standard settings.
A button press is automatically cancelled after 20 seconds.
2. **Button F:** Until the LED **MIN** lights up
3. **Button W:** LEDs W0 to W11 light up in accordance with your selection
In accordance with 1 minute. (W0=0 min, W1=1 min, W2=2 min ... W11=11 min)
4. **Button SET:** Saves the selection


Set the time multiplier

The programmed monitoring time (minutes or seconds) x the set factor (1 to 11)

1. **Button P:** LEDs W+F light up in accordance with the standard settings.
A button press is automatically cancelled after 20 seconds.
2. **Button F:** Until the LED **x** lights up
3. **Button W:** LEDs W0 to W11 light up in accordance with your selection
In accordance with the factor (W1 = x1, W2 = x2 ... W11 = x11)
4. **Button SET:** Saves the selection

Switching the light sensor On / Off

If the light sensor is switched off, the motion detector works independently of the light sensor

1. **Button P:** LEDs W+F light up in accordance with the standard settings.
A button press is automatically cancelled after 20 seconds.
2. **Button F:** Until the LED  lights up
3. **Button W:** LED W4 burning: Sensor is ON


LED W4 not burning: Sensor is OFF

4. **Button SET:** Saves the selection

Set the brightness threshold

Set the brightness threshold up to which the motion detector should work

1. **Button P:** LEDs W+F light up in accordance with the standard settings.
A button press is automatically cancelled after 20 seconds.

2. **Button F:** Until the LED  lights up
3. **Button W:** LEDs W0 to W11 light up in accordance with your selection.
W0 to W11 = 1 lx to 150 lx
4. **Button SET:** Saves the selection

4. Check battery

The module verifies the battery voltage:

- Each time the motion status changes (transmission of the new status)
- At least once every 24 hours after sending the latest status.

As soon as the battery status is found to be weak, a 'Battery Low' signal is transmitted at least once every four hours.

If the voltage drops further, the module will switch itself off and no more status changes will be transmitted.

5. Solving problems

If the module does not work properly

- Check the battery status.
- Check that the wireless connection in the installation between this module and the QWI/EW is not disrupted.
- Check the configuration of the QWI/EW and whether the link with this module is still active.
- Check that other wireless devices with the same frequency, or that work at almost the same frequency, are not disrupting this product's operation.

6. Safety rules

Read the entire manual before installing the module and activating the system.

WARNING

- The device must be mounted and commissioned by an authorised electrician in accordance with the country-specific regulations.
- The device may not be opened, except as described for replacing the battery. The guarantee provisions will be void if the module has been opened.
- Keep the batteries away from children.



Technical product data sheet

Qbus Wireless motion sensor (QWE SEN01MW)

7. Technical data

General specifications

- Power supply: 2x 3V battery, CR2032
- Radiated power: 0.89 mW
- Modulation coding: FSK
- Wireless protocol: EasyWave A/B
- Range: free field: 150 m; buildings: 30 m
- Brightness range: 1 lx to 150 lx
- Monitoring time: 1 s to 131 min.
- Detection field: approx. 16 m²
- Ambient temperature: -20°C to 60°C
- Maximum humidity: 93%, no condensation
- Maximum installation height: 2,000 metres

Physical specifications

- Protection grade: IP20, EN60529
- Sensor module dimensions: 55x55x12mm
- Cover plate dimensions: 71 mm x 71 mm x 1.5 mm
- Transmitter weight: approx. 34 g

CE marking

- In accordance with EMC and low voltage regulations. The module corresponds with EN 61000-4-2 and 50090-2.

8. Guarantee provisions

Period of guarantee: Two years from date of delivery. The guarantee does not apply if the module is opened!

Any faulty modules should be sent postage-free with a description of the defect to our customer service:

QBUS N.V.	T +32 53 60 72 10
Joseph Cardijnstraat 19	F +32 53 60 72 19
9420 Erpe-Mere	Email: support@qbus.be
Belgium	