



## sygonix 2523276 WiFi Motion Sensor Instruction Manual

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sygonix®

2523276 WiFi Motion Sensor  
Instruction Manual



<http://www.conrad.com/downloads>

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## Intended use

The product is a battery-powered infrared (PIR) motion sensor. Use the product to detect motion and control devices that are linked to the product.

The product can be configured and controlled via the TUYA mobile app and the local Wi-Fi network. Important features include:

- Detection log
- Rules that control the behavior of devices that are linked to the product
- Battery status indication

The product has an IP65 ingress protection rating and is protected from dust and low-pressure water jets from any direction. The product is suitable for outdoor use. Do not submerge the product in water.

If you use the product for purposes other than those described, the product may be damaged.

Improper use can result in short circuits, fires, or other hazards.

The product complies with the statutory national and European requirements.

For safety and approval purposes, you must not rebuild and/or modify the product.

Read the operating instructions carefully and store them in a safe place. Make this product available to third parties only together with the operating instructions.

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## Delivery contents

■ Product	■ 2x Dowels
■ 2x Screws	■ Operating instructions

## Latest product information

Download the latest product information at [www.conrad.com/downloads](http://www.conrad.com/downloads) or scan the QR code shown. Follow the instructions on the website.

## Description of symbols

The following symbols are on the product/appliance or are used in the text:



The symbol warns of hazards that can lead to personal injury.

## Safety instructions



Read the operating instructions carefully and especially observe the safety information. If you do not follow the safety instructions and information on proper handling, we assume no liability for any resulting personal injury or damage to property. Such cases will invalidate the warranty/guarantee.

### 5.1 General

- The product is not a toy. Keep it out of the reach of children and pets.
- Do not leave packaging material lying around carelessly. This may become dangerous playing material for

children.

- If you have questions that remain unanswered by this information product, contact our technical support service or other technical personnel.
- Maintenance, modifications, and repairs must only be completed by a technician or an authorized repair center.

## **5.2 Handling**

- Handle the product carefully. Jolts, impacts, or a fall even from a low height can damage the product.

## **5.3 Operating environment**

- Do not place the product under any mechanical stress.
- Protect the appliance from extreme temperatures, strong jolts, flammable gases, steam, and solvents.

## **5.4 Drilling**

When penetrating the surface (for example drilling or inserting fasteners), make sure no cables or pipes are damaged. Inadvertently penetrating electric cables causes the life-threatening danger of an electric shock! Check for concealed wires and pipes before drilling or inserting fasteners.

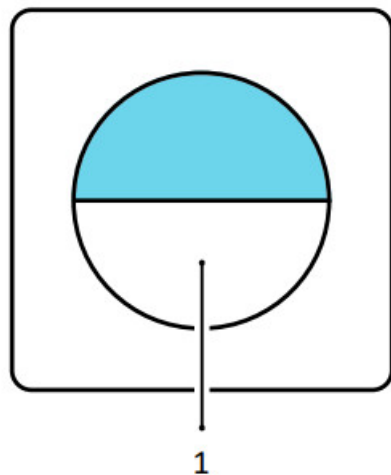
## **5.5 Batteries**

- Correct polarity must be observed while inserting batteries.
- The batteries should be removed from the device if it is not used for a long period of time to avoid damage through leaking. Leaking or damaged batteries might cause acid burns when in contact with skin, therefore use suitable protective gloves to handle corrupted batteries.
- Batteries must be kept out of reach of children. Do not leave batteries lying around, as there is a risk, that children or pets swallow them.
- All batteries should be replaced at the same time. Mixing old and new batteries in the device can lead to battery leakage and device damage.
- Batteries must not be dismantled, short-circuited, or thrown into the fire. Never recharge non-rechargeable batteries. There is a risk of explosion!

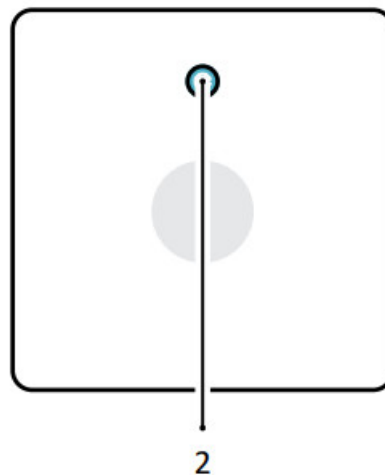
## **5.6 Operation**

- Consult an expert when in doubt about the operation, safety or connection of the product.
- If it is no longer possible to operate the product safely, take it out of operation and protect it from any accidental use. DO NOT attempt to repair the product yourself. Safe the operation can no longer be guaranteed if the product:
  - is visibly damaged,
  - is no longer working properly,
  - has been stored for extended periods in poor ambient conditions or
  - has been subjected to any serious transport-related stresses.

## **Product Overview**



1 PIR Sensor



2 Pairing button

## Getting started

### 7.1 Installing batteries

Preconditions:

a Prepare the required number of batteries of the correct type as stated in the section “Technical data”.

1. Remove the screws from the back of the product.
2. Remove the battery compartment cover. Be careful not to damage the seal around the cover.
3. Insert the batteries into the battery compartment observing the polarity markings in the compartment.
4. Replace the battery compartment cover. Make sure the seal around the battery compartment cover is seated properly.
5. Tighten the screws.

### 7.2 Adding product to mobile app

For mobile app control, you must add the product to the app and connect it to a suitable Wi-Fi network.

#### Important:

The product can only be connected to 2.4 GHz Wi-Fi networks.

#### Preconditions:

- ✓ The TUYA mobile app “Smart Life – Smart Living” is installed on your mobile device.
- ✓ The product is within the range of the Wi-Fi network.
- ✓ Your mobile device is near the product.

1. On your mobile device, activate Wi-Fi.
2. On your mobile device, activate Bluetooth and the location.
3. Connect your mobile device to the Wi-Fi network to which you intend to connect the product.
4. At the rear of the product, hold down the pairing button until the indicator light flashes.
5. Open the mobile app.
6. Tap on + to add a new product.
7. Tap on Auto Scan to find the new product.
8. Wait for the auto-scan function to list the product.

9. Follow the on-screen instructions to add the product.

- ✓ You have added the product to the mobile app and connected the product to the Wi-Fi network.
- ✓ You can now control the product via the mobile app.

## Installation

### 8.1 Factors affecting motion detection

The passive infrared (PIR) motion sensor reacts to changes in temperature, e.g. when a person or animal enters the detection area.

- Position the sensor so the object moves across the detection area.
- The correct installation height should be observed.
- Do not point the sensor at radiators, lights, or objects with varying temperatures (e.g. electronic equipment), and objects that may move due to the flow of air. This may trigger the sensor unintentionally.
- Do not install the product behind glass.
- Keep the sensor away from direct sunlight.

### 8.2 Factors affecting wireless signal strength

Surrounding objects can reduce the strength of the wireless signal:

- Walls and reinforced concrete ceilings
- Coated or vaporized insulating glass panes
- Proximity to metallic and conductive objects (e.g., radiators)
- Broadband interference, e.g. in residential areas (DECT phones, mobile phones, radio headsets, wireless speakers, wireless weather stations, baby monitoring systems, etc.)
- Electric motors, transformers, power-supply units, and computers
- Poorly shielded or uncovered computers or other electrical appliances

### 8.3 Selecting installation location

Before you install or place the product, select an installation location that meets safety and operational requirements.

- The installation location is within the range of the Wi-Fi network.
- The PIR sensor is within the desired activation zone. Refer to the technical specifications in these instructions for details on the PIR sensor.

### 8.4 Installing

After you have determined a suitable installation location, you can permanently install the product.

#### Tip:

Before you permanently install the product, temporarily secure it and test if it works as expected.

1. Install the product using installation material suitable for the installation surface.

## Cleaning and care

## Important:

- Do not use aggressive cleaning agents, rubbing alcohol, or other chemical solutions.  
They damage the housing and can cause the product to malfunction.
- Do not immerse the product in water.
  1. Clean the product with a dry, fiber-free cloth.

## Declaration of Conformity (DOC)

Conrad Electronic SE, Klaus-Conrad-Straße 1, D-92240 Hirschau hereby declares that this product conforms to the 2014/53/EU directive.

- Click on the following link to read the full text of the EU declaration of conformity:

[www.conrad.com/downloads](http://www.conrad.com/downloads)

Enter the product item number in the search box. You can then download the EU declaration of conformity in the available languages.

## Disposal

### 11.1 Product



This symbol must appear on any electrical and electronic equipment placed on the EU market. This symbol indicates that this device should not be disposed of as unsorted municipal waste at the end of its service life.

Owners of WEEE (Waste from Electrical and Electronic Equipment) shall dispose of it separately from unsorted municipal waste. Spent batteries and accumulators, which are not enclosed by the WEEE, as well as lamps that can be removed from the WEEE in a non-destructive manner, must be removed by end users from the WEEE in a non-destructive manner before it is handed over to a collection point.

Distributors of electrical and electronic equipment are legally obliged to provide free takeback of waste. Conrad provides the following return options free of charge (more details on our website):

- in our Conrad offices
- at the Conrad collection points
- at the collection points of public waste management authorities or the collection points set up by manufacturers or distributors within the meaning of the ElektroG

End users are responsible for deleting personal data from the WEEE to be disposed of.

It should be noted that different obligations about the return or recycling of WEEE may apply in countries outside of Germany.

### 11.2 (Rechargeable) batteries



Remove batteries/rechargeable batteries, if any, and dispose of them separately from the product. According to the Battery Directive, end users are legally obliged to return all spent batteries/rechargeable batteries; they must not be disposed of in the normal household waste.

Batteries/rechargeable batteries containing hazardous substances are labeled with this symbol to indicate that disposal of household waste is forbidden. The abbreviations for heavy metals in batteries are Cd = Cadmium, Hg = Mercury, and Pb = Lead (name on (rechargeable) batteries, e.g. below the trash icon on the left).

Used (rechargeable) batteries can be returned to collection points in your municipality, our stores, or wherever (rechargeable) batteries are sold. You thus fulfill your statutory obligations and contribute to environmental protection.

Batteries/rechargeable batteries that are disposed of should be protected against short circuits and their exposed terminals should be covered completely with insulating tape before disposal. Even empty batteries/rechargeable

batteries can contain residual energy that may cause them to swell, burst, catch fire or explode in the event of a short circuit.

Technical data

12.1 Power supply

Battery power supply ..... 3 V, 2 x 1.5 V, type AA battery  
Battery life..... max. 6 months

12.2 PIR Sensor

PIR sensor detection angle ..... 120 °  
PIR sensor detection range ..... 8 m  
PIR sensor installation height ..... 1 – 3 m

12.3 Wi-Fi module

Wi-Fi standard ..... IEEE 802.11b/g/n, 2.4 GHz  
Wireless frequency ..... 2.412 – 2.4835 GHz  
Wi-Fi range ..... max. 50 m (open space)  
Wi-Fi transmission power ..... 15 dBm

12.4 Environment

Operating temperature ..... -20 to +40 °C  
Storage temperature ..... -20 to +40 °C

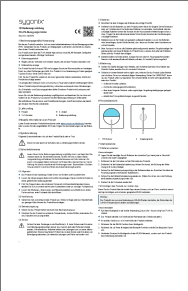
12.5 Others

Ingress protection ..... IP65  
Dimensions (W x H x D) (approx.). 76 x 76 x 73 mm  
Weight (approx.) ..... 93 g

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Documents / Resources



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2523276, WiFi Motion Sensor, 2523276 WiFi Motion Sensor, Motion Sensor, Sensor

References

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