



### 1 Operating Instructions for download

Use the link [www.conrad.com/downloads](http://www.conrad.com/downloads) (alternatively scan the QR code) to download the complete operating instructions (or new/current versions if available). Follow the instructions on the web page.

### 2 Intended use

The product is a Zigbee window and door contact sensor. Use the product to detect and notify you when a window/door is opened and closed.

The product can be integrated into a network in one of the following ways:

- Zigbee gateway (Item no. 3026091)
- Home Assistant via Zigbee integration
- Home Assistant via Zigbee2MQTT

The product is intended for indoor use only. Do not use it outdoors.

Contact with moisture must be avoided under all circumstances.

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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### 3 Delivery contents

- Sensor unit
- Magnet
- 2x CR1632 battery
- 2x Double-sided adhesive tape
- Operating instructions

### 4 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.

### 5 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 which 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 authorised repair centre.

#### 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.
- Protect the product from high humidity and moisture.
- Protect the product from direct sunlight.

#### 5.4 Operation

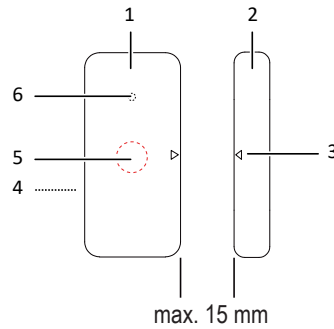
- Consult an expert when in doubt about the operation, safety or connection of the product.
- If it is no longer possible to operate the product safely, take it out of operation and protect it from any accidental use. DO NOT attempt to repair the product yourself. Safe operation can no longer be guaranteed 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.

### 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 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 fire. Never recharge non-rechargeable batteries. There is a risk of explosion!

### 6 Product overview



- |   |                   |   |                     |
|---|-------------------|---|---------------------|
| 1 | Sensor unit       | 2 | Magnet              |
| 3 | Alignment marking | 4 | Battery compartment |
| 5 | Pairing button    | 6 | Indicator light     |

#### 6.1 Indications

Component	State	Indication
Indicator light	Off	The standby mode is activated
Indicator light	Flashes 1x	An open door/window was detected
Indicator light	Flashing	The pairing mode is activated

### 7 Installing batteries

#### Note:

If an insulating strip protrudes from the battery compartment, batteries are installed already. Pull the strip out to establish the power supply.

1. Prepare the required number of batteries of the correct type as stated in the section "Technical data".
2. At the back of the sensor unit, pry open the battery compartment with a thin object.
3. With the plus pole (+) facing up, insert the batteries into the battery slots.
4. Close the battery compartment.

#### Note:

Replace the battery/batteries under the following conditions:

- If the product can no longer be connected to the network.
- If the home network dashboard (example: mobile app) indicates a flat battery/batteries.
- At least once a year.

### 8 Installing the sensor unit and magnet

If the magnet moves away from the sensor unit, the sensor will detect an open door/window. To facilitate this mechanism, one component (sensor unit or magnet) must be installed on the door/window frame and the other component on the door/window.

#### Installation requirements:

- The distance between the sensor unit and the next Zigbee router or gateway must be within  $\leq 90$  m (open space).
- The gap between the sensor unit and the magnet must be  $\leq 15$  mm.
- The alignment markings ► and ◄ on the sensor unit and the magnet must face each other and lie on the same horizontal line.

#### Installing:

1. Install one component on the door/window with the supplied adhesive tape.
2. Install the other component on the door/window frame with the supplied adhesive tape.

## 9 Network connection

### 9.1 Connecting the product to the Zigbee gateway (item no. 3026091)

1. Refer to the operating instructions of the Zigbee gateway (3026091) to learn how to connect new devices.
2. Switch the product into pairing mode by pressing and holding the pairing button until the indicator light flashes.
3. Connect the product to the gateway.

### 9.2 Adding the product to Home Assistant

You can integrate the product into Home Assistant in two ways:

- Using the Zigbee Home Automation integration
- Using Zigbee2MQTT

1. Switch the product into pairing mode by pressing and holding the pairing button until the indicator light flashes.
2. Connect the product to the Home Assistant control system.

## 10 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, fibre-free cloth.

## 11 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.

## 12 Disposal

### 12.1 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 take-back 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.

### 12.2 (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 labelled with this symbol to indicate that disposal in household waste is forbidden. The abbreviations for heavy metals in batteries are: Cd = Cadmium, Hg = Mercury, 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 fulfil your statutory obligations and contribute to environmental protection.

Batteries/rechargeable batteries that are disposed of should be protected against short circuit 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.

## 13 Technical data

Batteries .....	2x CR1632
Separation distance.....	max. 15 mm (sensor unit and magnet)
Standard.....	IEEE 802.15.4

Zigbee integrations .....	Zigbee gateway (Item no. 3026091) Home Assistant via Zigbee integration Home Assistant via Zigbee2MQTT
Wireless frequency .....	2.405 - 2.480 GHz
Wireless range .....	max. 90 m (open space)
Wireless transmission power .....	max. 10 dBm
Operating temperature .....	-10 to +50 °C
Operating humidity .....	0 - 95 % RH (non-condensing)
Storage temperature .....	-10 to +50 °C
Storage humidity .....	0 - 95 % RH (non-condensing)
Sensor unit dimensions (approx.)...	21 x 44 x 9 mm (W x H x D)
Magnet dimensions (approx.) .....	8 x 44 x 9 mm (W x H x D)
Weight (approx.) .....	14 g (including batteries)

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