

 **BOSCH**
BSEN-C2
Reliably
Detecting
Open Doors
and Windows



BOSCH BSEN-C2 Reliably Detecting Open Doors and Windows User Manual

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BOSCH BSEN-C2 Reliably Detecting Open Doors and Windows



Product description

The door/window contact II detects open doors and windows for improved security and energy efficiency.

Description of the symbols



Warning!
Note about hazards



Note:
Additional important information



Note about the installation video

Safety instructions

- Before installing or commissioning the device, please also be sure to read the complete user manual to ensure proper use and to comply with the warranty conditions.
- Keep the user manual in a safe place throughout the entire service life of the device.
- Do not charge used batteries or try to reactivate them using heat or other means. Do not short-circuit batteries. Do not expose batteries to strong sunlight. Do not throw batteries into fire! There is a risk of explosion!
- Ensure correct polarity when inserting the batteries! Only use batteries of the same type. Drained batteries must be removed from the device immediately. Remove batteries from the device if it is not used for a longer period of time. Increased risk of leakage!
- Keep small cells and batteries that could be swallowed out of the reach of children. Swallowing can result in burns, perforation of the soft tissue and death. Severe burns can occur within 2 hours after swallowing. In the event that a cell or battery is swallowed, seek medical assistance immediately.
- The device is not a toy! Do not allow children to play with it. Never leave the packaging material lying around

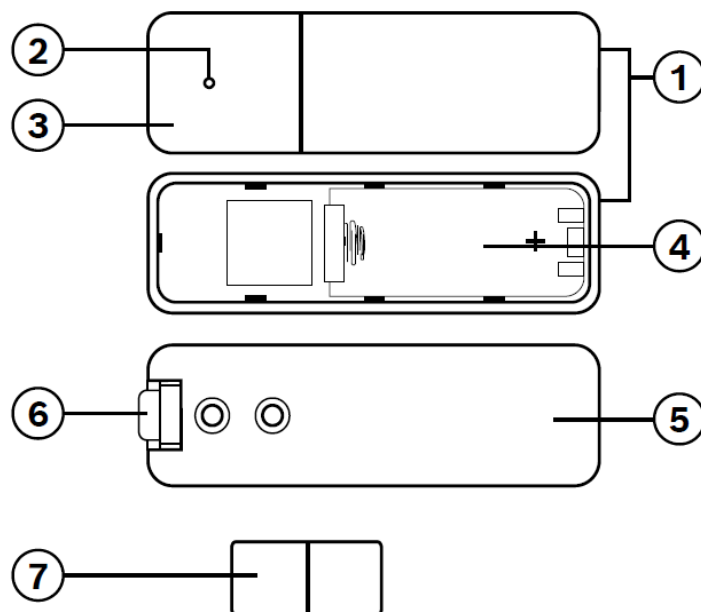
unattended. Plastic film and small parts may pose a danger to children.

- This device may be used by children from 8 years of age and by persons with reduced physical, sensory or mental capacities, or a lack of experience and knowledge provided these persons are supervised or have been instructed in the safe use of the device, and understand the corresponding risks.
- When remotely or automatically controlling a device, it is not always possible to guarantee that commands are actually executed or that the correct device status is displayed in the app and on other Smart Home display devices because of external circumstances. This may lead to material damage and/or personal injury. Therefore, you must ensure to the greatest extent possible that no person is endangered at the time of remote operation or automated control. Please take special care when setting up or adjusting the remote control or when using the automated control and check the desired functionality at regular intervals.
- For safety and approval reasons (CE/UKCA), the device may not be modified and/or no changes may be made to the device without authorisation.
- We accept no liability for material damage or personal injury which is caused by improper use or by not observing the safety instructions. In these cases, any guarantee claim becomes void! We accept no liability for consequential damage.
- Do not use the device if it has damage visible from the outside, for example, to the housing, control elements or connection sockets, or if it has a malfunction. If in doubt, please contact our service team.
- Only operate the device indoors and do not expose it to moisture, vibrations, constant sunlight or other sources of heat, extreme cold temperatures and mechanical stress.
- Do not open up the device. It does not contain any parts to be maintained by the user. If a fault occurs, have the device checked by a specialist.
- Please note that the emergency phone number in the app is not automatically called if the device detects a hazard. You must always make an emergency call if required!
- Please note that the device can only warn you via your mobile device if this is switched on and connected to the internet.
- With regard to the magnet supplied, maintain a minimum distance of 10 cm to 15 cm from a pacemaker. The magnets generate a field which can interfere with the functioning of pacemakers.
- Only use the device together with original components and recommended products from Bosch partners.

Notes

- The range within buildings can deviate greatly from the range in open spaces. In addition to the transmitting power and the receiving properties of the receiver, environmental factors such as humidity, as well as the local structural situation, play an important role.
- The device is only suitable for use in residential environments.
- The device is only intended for private use.

Product Overview



Item	Description
1	Sensor unit
2	Status LED
3	Operating button
4	Battery compartment
5	Mounting plate
6	Unlocking
7	Magnet

Start-up

Ensure that you have a Bosch Smart Home controller and the Bosch Smart Home app and have successfully configured both. Now start the Bosch Smart Home app and select “Add new device”. Follow the instructions in the app.

Manually triggering individual automations

Pressing the operating button (3) for a short and long period of time can be configured individually in the app as triggers for automations.

Break function: Temporarily ignore sensor status

Pressing the operating button (3) twice activates the break function. After this is activated, the status of the door/window contact is temporarily ignored by the system for a one-time opening/closing process or for a specific amount of time. This function can be deactivated permanently in the device settings in the app. The status LED (2) shows the status of the door/window contact using flashing codes.

Signal	Device status	Recommended action
Flashes orange	Pairing mode (is active) or device is communicating with the controller	Please wait
Flashes green	Pairing mode (successful) or transfer successful / process confirmed	–
Flashes red	Pairing mode (not successful) or process failed	If this is the first pairing attempt, please try again. Otherwise reset the device to the factory settings and contact the service department if necessary.
Flashes orange after the button is pressed twice	Break function is active	Open and close door/window 1x to end the status or wait until the device ends the status itself.
Continuously flashes red (every 15 s)	Fault detected (e.g. battery status, wireless connection)	Follow the instructions in the app (message centre).

You can also use the explanatory videos and additional information on our website as an additional aid for mounting, installing, starting up and restoring the factory settings on your Bosch Smart Home door/window contact II: <https://www.bosch-smarthome.com/rom/door-window-contact-2>

Resetting to factory settings

You can reset the device to its factory settings as follows:

- Remove the battery. While reinserting it, keep the operating button (3) pressed until the status LED (2) flashes orange. Release it briefly and press/hold it again until the LED lights green. If the LEDs light up red during the reset process, remove the battery again and repeat the process.
- The device then restarts. Please note that it can take a few seconds until the door/window contact is ready for operation again.
- When resetting to factory settings, the settings and information are only lost from the device and not from the Bosch Smart Home controller.
- To re-configure the device, first delete it in the device management section of the Bosch Smart Home app and then add it again in the usual pairing process.

Maintenance and cleaning

- Removing or changing the battery
- To remove or replace the battery, activate the unlocking (6) at the mounting plate (5) and then remove the sensor unit (1). Remove the battery.
- Take care to ensure the correct polarity when replacing it.

- The device does not require maintenance. Leave any repairs to a specialist.
- Clean the device with a soft, clean, dry and lint-free cloth.
- When cleaning, do not use any cleaning agents containing solvents.

Simplified declaration of conformity



Robert Bosch Smart Home GmbH hereby declare that the radio equipment type Bosch Smart Home BSEN-C2 corresponds with the directive 2014/53/EU. The complete text of the EU declaration of conformity is available via the following web address: <https://eu-doc.bosch.com>



Robert Bosch Smart Home GmbH hereby declares that the radio system type BSEN-C2 complies with Regulation 2017. The full text of the declaration of conformity is available at the following internet address: <https://gb-doc.bosch.com>

Environmental protection and disposal



These symbols mean that this product and the battery or batteries must be disposed of separately from general household waste. As an end user, you are obligated to dispose of the product and the battery or batteries via separated waste collection, for instance by passing it to an official collection point, in line with the relevant national regulations. Please note that used batteries and battery packs which are not enclosed within the old equipment must be separated from the equipment before returning the equipment. For information about the type and chemical system of the battery or batteries, as well as about replacing or safely removing them, please see the user manual.

By collecting waste separately, you are making a valuable contribution to protecting the environment and human health. This is because, by treating old equipment properly, on one hand, the potentially negative effects associated with the presence of hazardous substances are prevented and, on the other hand, raw materials are conserved through their recovery. Please also note that the avoidance of waste is an even more valuable contribution to environmental protection. Wherever possible, as well as finding a further use for the device yourself or having it repaired, passing the device to a second user is also an ecologically valuable alternative to disposal. It is also possible to return these to the place you bought the product from, provided the distributor offers a returns service voluntarily or is legally obligated to do so.

Technical data

Device type designation	BSEN-C2
Protection class	IP45
Ambient temperature	–20 °C ... +60 °C
Max. humidity	85% (non-condensing)
Dimensions (W × H × D)	
Sensor unit	22 × 75 × 23 mm
Magnet	10 × 20 × 3 mm
Weight	
Sensor unit	22 g (without battery)
Magnet	5 g
Radio protocol	2.4 – 2.4835 GHz
Radio frequency band	ZigBee 3.0
Max. transmitting power	10 mW
Radio range in the open	< 100 m
Software class	A
Receiver category	2
Batteries	1 × CR123A
Battery lifespan (typical)	< 5 years

Technical modifications reserved


Open source software

This Bosch Smart Home product uses open-source software. Licence information for the components used can be found in the attached documents.

Spare parts/accessories

For information on available spare parts or accessories, please visit: <https://www.bosch-smarthome.com/rom/spareparts>

Documents / Resources

	<p>BOSCH BSEN-C2 Reliably Detecting Open Doors and Windows [pdf] User Manual BSEN-C2 Reliably Detecting Open Doors and Windows, BSEN-C2, Reliably Detecting Open Doors and Windows, Detecting Open Doors and Windows, Open Doors and Windows</p>
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References

- [!\[\]\(eae20f1adff742df783f6f7e3bbe72d1_img.jpg\) **Control4 Smart Homes**](#)
- [!\[\]\(43c6e08c5a1618d745b54da5c843274e_img.jpg\) **Door Window Contact II | Bosch Smart Home**](#)
- [!\[\]\(f5ee48910650695cea680b2433c1d60d_img.jpg\) **Welcome to Bosch Smart Home Service | Bosch Smart Home**](#)
- [!\[\]\(da0f02caffeb5a74776a1d5d1892b059_img.jpg\) **Declarations of Conformity and International Type Approvals**](#)
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- [**User Manual**](#)

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