BOSCH

Smoke alarm II
quick instructions

Product description
The product is a optical smoke alarm certified according to EN14604. It can be relied upon to warn you if a fire develops in your house or home. If smoke is detected, a visual and acoustic alarm is triggered. Follow the instructions and information in these quick instructions to ensure correct operation.

Description of the symbols

⚠️ Warning!
Note about hazards

ℹ️ Note:
Additional
important information

▶️ Note about the installation video

⚠ Safety instructions

▶ Read this user manual completely before installing or commissioning the device and pay particular attention to the hazard information.

▶ Do not charge used batteries, and do not attempt 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!**

▶ Make sure the polarity is correct 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!**

▶ Only use the batteries which are recommended in the technical data.

▶ 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.

▶ Store small cells and batteries which 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.

▶ 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 sta-

tus is displayed in the app and on other Bosch 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.

▶ 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.

▶ We accept no liability for material damage or personal injury which is caused by improper use or failure to observe the safety instructions. In these cases, any guarantee claim becomes void! We accept no liability for consequential damage.

▶ For safety and approval reasons (CE), the device may not be modified and/or no changes may be made to the device without authorisation.

▶ Do not paint over the device! Do not apply wallpaper or paste over the device!

▶ The smoke entry openings may not be taped over or covered.

▶ The smoke alarm monitors only a specific area in the surroundings of its place of installation.

▶ Please note that a functioning wireless connection is required for alarm forwarding in the event of a fire. Robert Bosch Smart Home GmbH cannot give any guarantee for delay times.

▶ Any use other than that which is described in the user manual is considered improper and leads to the exclusion of guarantee and liability.

▶ Do not use the device if it has damage which is 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.

▶ 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.

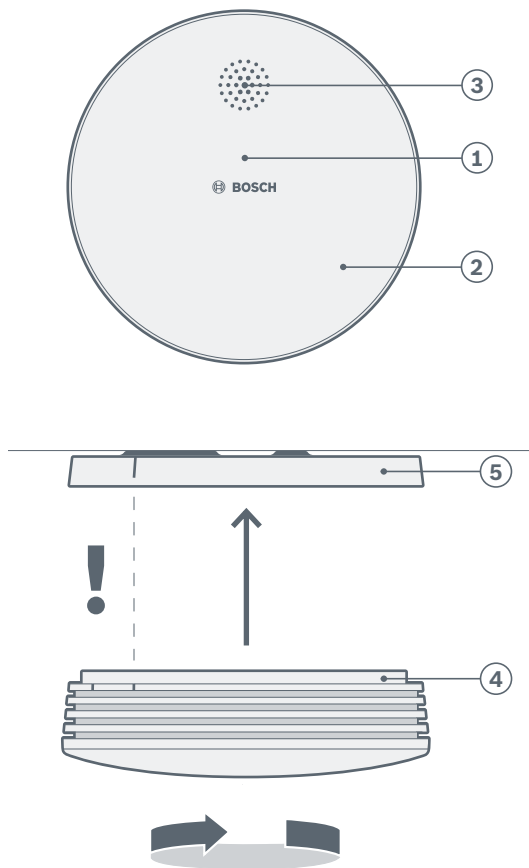▶ Only use the device together with original components and recommended products from Bosch partners.

ℹ Notes

▶ The range within buildings can differ significantly 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.

▶ Please check the intactness of the box contents. Please only install faultless parts.

▶ A Bosch Smart Home controller is needed if you wish to integrate the smoke alarm into the Bosch Smart Home system as an option.

▶ A battery is already included and can be replaced, if necessary.

▶ You can also use the explanatory videos and additional information on our website and in the app as an additional aid for mounting, installing, starting up and restoring the factory settings on your Bosch Smart Home smoke alarm: **www.bosch-smarthome.com/rom/smoke-alarm-2**

Product overview

Item	Name
1	Operating button
2	Status LED
3	Sirens
4	Smoke alarm
5	Ceiling bracket

The sirens (3) and the status LED (2) indicate the status of the smoke alarm by means of sound and a sequence of flashes.

Acoustic signal	Visual signal	Device status	Recommended action
No sound	Off	Normal operation	–
Alarm sound (while operating button is pressed)	Flashes red (while operating button is pressed)	Function test	–
Alarm	Flashes red	Smoke alarm has detected smoke	After checking, initiate emergency measures. If there is no hazard, acknowledge the alarm on the detector which triggered it.
Alarm	Off	The smoke alarm has received a signal from the Bosch Smart Home controller to say that smoke has been detected in the system	After checking, initiate emergency measures. If there is no hazard, acknowledge the alarm on the detector which triggered it.
No sound	Flashes red 1x every 10 seconds	After the switching off of an alarm is initiated via the operating button, the smoke detection is deactivated for 10 minutes	Wait 10 minutes
1 sound every 5 minutes	Flashes red 1x Every 15 seconds	Battery level is low.	Replace battery
No sound	Flashes red 5x every 15 seconds	Fault/defect	Replace detector
Short signal tone / break in a loop	Off	Indoor siren activated by the Smart Home controller due to an occurrence (e. g. break-in)	Assess the situation. Take measures if necessary, or switch off the alarm in the app.

Start-up

⚠ The smoke alarm is operational once the battery protection film/separation film is removed or a battery has been re-inserted. A test alarm may be triggered by merely accidentally pressing the operating button. The loud warning tone can cause hearing damage.

⚠ Be sure to carry out a function test after the initial start-up (see maintenance and cleaning).

If you wish to make use of the option of integrating the alarm into the Bosch Smart Home system, 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.

ℹ If you wish to integrate the smoke alarm into the Bosch Smart Home system, your mobile device must be connected to the Wi-Fi network which your Bosch Smart Home controller is also connected to.

Mounting instructions

⚠ The standards and directives applicable in your country must be observed during planning, set-up, operation and maintenance.
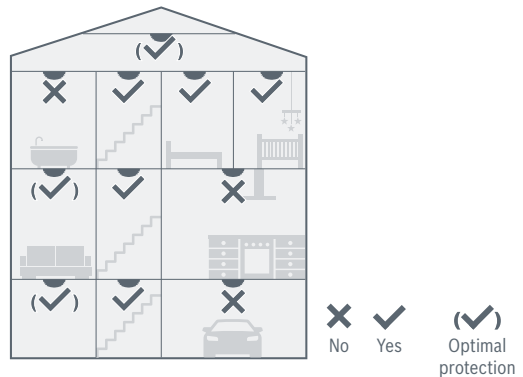
⚠ The smoke alarm may not be used in environments in which device faults may occur as a result of the transmission of radio signals, e.g. in medical facilities with life support systems or similar environments.
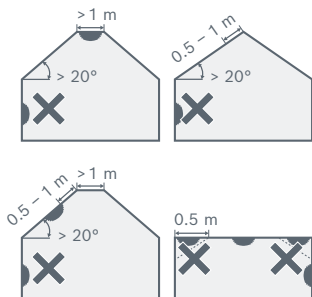
⚠ The smoke alarm may not be affixed near devices such as air-conditioning systems or fans, as this will have an adverse effect on the detector function.

⚠ In order to prevent injuries, this device must be securely attached to the ceiling in accordance with the installation instructions.

⚠ This product is a safety-related device. At the installation location, a minimum distance of > 200mm to other radio equipment (e.g. Wi-Fi hotspots, repeaters, ...) must be ensured.

⚠ It is best to use multiple smoke alarms in the house or apartment in order to achieve all-round protection. As minimum protection, a smoke alarm must be installed in each bedroom and children's room, as well as in every hallway which serves as an escape route. For optimal protection, we recommend installing additional smoke alarms in the living areas, in the attic and in the basement.

No Yes Optimal protection

- ⚠ Observe the minimum distances and correct orientation during mounting on the ceiling. Also observe the angle of sloping walls in the room or attic.
- ⚠ The smoke alarm may only be mounted on the ceiling. Other types of mounting, e.g. lateral wall mounting, are not permitted.
- ℹ The maximum monitoring area for a detector is 60 m². Another smoke alarm must be installed for every 60 m² in larger rooms. The maximum installation height for an installed smoke alarm should not exceed 6 m.
- ℹ In hallways with a maximum width of 3 m, the distance between two smoke alarms may be a maximum of 15 m. The distance between the smoke alarm and the end of the hallway may not be more than 7.5 m. A smoke alarm must always be installed in intersection, junction and corner areas of hallways.
- ℹ If the height of a room is divided by a platform or a gallery, then a smoke alarm is required underneath these features if their area is greater than 16 m² and their length and width both exceed 2 m.

- ℹ Observe the subdivision of ceilings into panels or through beams and joists. If the height of the subdivision is > 0.2 m, then one smoke alarm must be installed per ceiling panel if the ceiling panels thus formed have an area of > 36 m².
- ⚠ In order to prevent injuries resulting from improper mounting, the mounting instructions in this user manual and the app must be strictly followed and the general safety regulations must be observed.
- ⚠ When selecting the mounting location and when drilling, pay attention to the areas where electrical wires run, or to any supply cables.
- ⚠ Please also note any additional information on the product.
- ℹ The box contents include two screws and two universal plugs which are suitable for attachment to most ceiling constructions.

Screw mounting

⚠ Check whether the enclosed plugs and screws are suitable for your mounting. Use your own plugs and screws where necessary.

Attach the ceiling bracket with 2 screws and plugs. Screw the smoke alarm clockwise into the ceiling bracket until you feel it click into place.

⚠ A test alarm may be triggered by accidentally pressing the operating button while screwing the smoke alarm into the ceiling bracket. The loud warning tone can cause hearing damage.

Mounting with double-sided adhesive

⚠ Please check first whether adhesive mounting is permitted in your country.
⚠ Only use the double-sided adhesive tape supplied.
⚠ Mounting with double-sided adhesive tape is only suitable on stable, smooth and even surfaces. These must be clean, free from grease and dry.
⚠ A test alarm may be triggered by accidentally pressing the operating button while screwing the smoke alarm into the ceiling bracket or by pressing it to the ceiling. The loud warning tone can cause hearing damage.

Attach the adhesive strip to the ceiling bracket and peel off the second protective film. Now press the ceiling bracket firmly against the ceiling.
Screw the smoke alarm clockwise into the ceiling bracket until you feel it click into place.

Switching off smoke alarm sirens

In the event of an alarm, please press the operating button (1) on the smoke alarm to mute it.

ℹ The smoke alarm which detected the smoke can only be muted using its operating button. All other detectors integrated via the Bosch Smart Home controller which have been activated through alarm forwarding can be muted centrally from the Bosch Smart Home app.
ℹ If the switching off of an alarm is initiated via the operating button, then smoke detection is deactivated for 10 minutes and the product is muted. The LED flashes red every 10 seconds.

Resetting to factory settings

Remove the battery. Wait 20 seconds or briefly press the operating button (1) on your smoke alarm again after removing the battery. Replace the battery while holding the operating button pressed. Keep the operating button pressed until the smoke alarm flashes red. Now release it briefly and press and hold the operating button again until a short acoustic signal sounds. Please note that it can take a few seconds until the smoke alarm is ready for operation again.

ℹ When resetting to factory settings, the settings and information are only lost from the device and not from the Bosch Smart Home controller.
ℹ 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 configuring process.

Maintenance and cleaning
Removing or changing the battery
To remove or change the battery, remove the smoke alarm from the ceiling bracket. You can now remove the battery. Take care to ensure the correct polarity when replacing them. Once this is complete, carry out a function test.

⚠ WARNING! Risk of explosion due to improper battery replacement. Only use the batteries which are recommended in the technical data.

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.

ℹ A visual inspection and function test must be carried out monthly on the smoke alarm.

Visual inspection
The smoke entry openings on the sides and the sound outlet openings on the top of the smoke alarm may not be clogged (e. g. with dust, dirt or paint).
The smoke alarm may not be damaged and must be firmly mounted in the place of use.
The radius of 0.5 m around the smoke alarm must be free from obstacles (e.g. furnishings) which prevent smoke from getting into the smoke alarm.

Function test
⚠ The loud warning tone can cause hearing damage. Protect your hearing during function tests.

To this end, press the operating button (1) of the detector you wish to test. The alarm sounds and the status LED flashes red for as long as the operating button is pressed.

ℹ If the signals described do not occur, first check the status of the batteries. If these are fine, the detector is defective. If this is the case, replace the product.

ℹ The functionality of the smoke alarm must be tested after mounting. The process must then be repeated once a month, as well as after each battery change and software update.

ℹ The smoke alarm must be replaced 10 years after initial installation at the latest.

Simplified declaration of conformity

CE 22
EN14604:2005+AC:2008
1116-DoP-BSD-2
Smoke Alarm
No. of devices interconnected: 10

Robert Bosch Smart Home GmbH hereby declare that the radio equipment type Bosch Smart Home BSD-2 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

UKCA 23
EN14604:2005+AC:2008
8504-DoP-BSD-2
Smoke Alarm
No. of devices interconnected: 10

Robert Bosch Smart Home GmbH hereby declares that the radio system type BSD-2 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

Electrical or electronic devices which are no longer usable must be collected separately and disposed of via an environmentally friendly recycling facility (European Directive on Waste Electrical and Electronic Equipment). Use your country's specific return and collection systems when disposing of waste electrical or electronic devices and batteries.

Used batteries do not go in the household waste! Dispose of them at your local battery collection point!

Technical data

Device type designation	BSD-2
Protection class	IP20
Ambient temperature	0 °C … + 40 °C
Max. humidity	95 % (non-condensing)
Housing dimensions (D × H)	110 × 37 mm
Weight (without battery)	133 g
Radio frequency band	2.4–2.4835 GHz
Radio protocol	ZigBee 3.0
Max. transmitting power	10 mW
Radio range in the open	< 100 m
Software class	A
Receiver category	2
Battery	1 × 3 V CR17450 (Pairdeer, FDK)
Battery lifespan	< 5 years
Volume at a distance of 3 m	≥ 85 dB(A)

Technical modifications reserved

Open source software

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

Spare parts

	Order number	Name
	8-750-002-152	Ceiling bracket