



Room thermostat II

quick instructions

Product description

The room thermostat II measures the temperature at a suitable location in the room and ensures a more stable and efficient temperature control. It is the perfect complement to your Bosch Smart Home radiator thermostats.

Description of the symbols



Warning!
Note about hazards



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 in use for a long period of time.


Increased risk of leakage!

- ▶ 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.
- ▶ 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

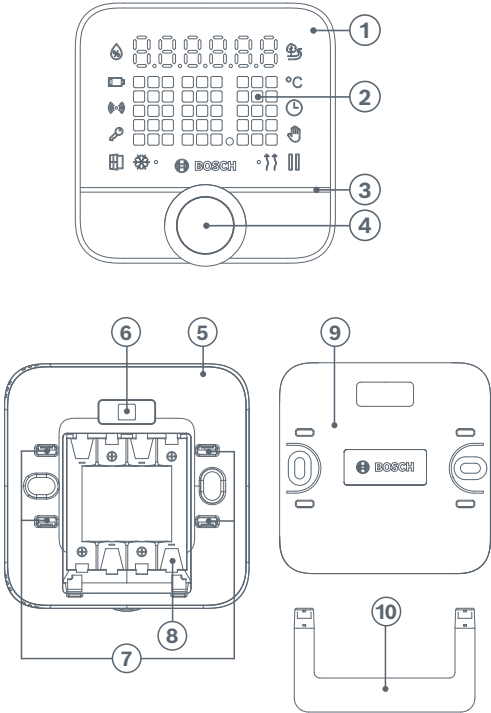
external circumstances. This may lead to material damage and/or personal injury. Therefore, you must ensure to the greatest extent possible that no person is endangered at the time of remote operation or automated control. Please take special care when setting up or adjusting the remote control or when using the automated control and check the desired functionality at regular intervals.

- ▶ 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/UKCA), 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 over the device!
- ▶ 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 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.
- ▶ Only use the device together with original components and recommended products from Bosch partners.

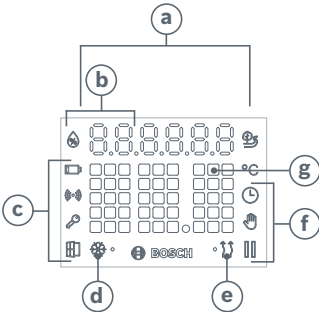
Notes

- ▶ 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 intended for use in residential environments.
 - ▶ The device is only intended for private use.
-  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 room thermostat II:
www.bosch-smarthome.com/rom/room-thermostat-2

Product overview



Item	Name	Explanation
1	Device front view	
2	LED display	
3	Status LED	
4	Rotary knob/system button	
5	Device rear view	
6	Sensor connection	Connection for optional accessories.
7	Mounting bracket receiving openings	For different angles of inclination of the device.
8	Battery compartment	Ensure correct polarity when inserting the batteries!
9	Mounting plate	Used to attach the device to the wall.
10	Mounting bracket	Used to install the device on even surfaces.




LED display (2)

Item	Name	Description
a	Information area	Displays error codes or other additional information.
b	Humidity	Displays room humidity in normal operation.
c	Status indicators	
	Battery status	Appears with low battery charge
	Connection status	Wireless connection to the controller is active. In the event of constant flashing, there is a connection problem with the controller.
	Child lock	Press the system button >3 seconds, adjust the desired value by turning
	Open window	The system has detected an open window in the room. Heating/cooling mode paused.
d	Cooling mode	The device/system is set to cooling mode.
e	Heating mode	The device/system is set to heating mode.
f	Room control modes (press system button 1x, select mode)	
	Automatic	Room control is controlled via a schedule.
	Manual	Temperature at constant value. Can be changed via rotary knob.
	Heating break	The regulation in the room pauses.
g	Value display	Displays actual and set temperature. Other text information in case of an error or during configuration.

The status LED (3) shows the status of the room thermostat using flashing codes.

Signal	Meaning	Measures
Flashes orange	Pairing mode (is active) or device is communicating with the controller	Please wait
Flashes green	Pairing mode (successful) or process confirmed	
Flashes red 1x	Pairing mode (not successful) or process failed	If this is the first tuning attempt, please try again. Otherwise reset the device to the factory settings and contact the service department if necessary.
Flashes red every 15 seconds	Functional error	Look for information in the Smart Home app. Contact the service team if necessary.

Notes regarding installation

-  When selecting the mounting location and when drilling, pay attention to the areas where electrical wires run, or to any supply cables.

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.

Resetting to factory settings

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

Open the battery compartment (8) and remove one of the batteries. Replace the battery while holding the rotary knob (4) pressed. Hold the knob pressed until the status LED (3) on the room thermostat flashes orange and “RES” appears on the display. Now release it briefly and press the knob again and hold until the LED lights green. The device then restarts. Please note that it can take a few seconds until the room thermostat 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 replace the batteries, remove the device from the mounting plate (9) or first remove the mounting bracket (10). Open the battery compartment(8). Remove the batteries. Take care to ensure the correct polarity when replacing them.

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

CE Robert Bosch Smart Home GmbH hereby declare that the radio equipment type Bosch Smart Home BTH-RM 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>

**UK
CA** Robert Bosch Smart Home GmbH hereby declares that the radio system type BTH-RM 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.



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

Technical data

Device type designation	BTH-RM
Protection type	IP21
Ambient temperature	0 – 50 °C
Max. humidity	80 % (non-condensing)
Dimensions (W × H × D)	86 × 87 × 28 mm
Weight (without batteries)	85 g
Radio protocol	ZigBee 3.0
Radio frequency band	2.4 – 2.4835 GHz
Max. transmitting power	10 dBm
Radio range in the open	< 100 m
Software class	A
Receiver category	2
Batteries	4 × 1.5 V Micro/AAA/LR3, alkaline
Battery lifespan (typical)	< 2 years

Technical modifications reserved

Spare parts / accessories

For information on available spare parts or accessories, please visit:

<https://www.bosch-smarthome.com/rom/spareparts>

Service information



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