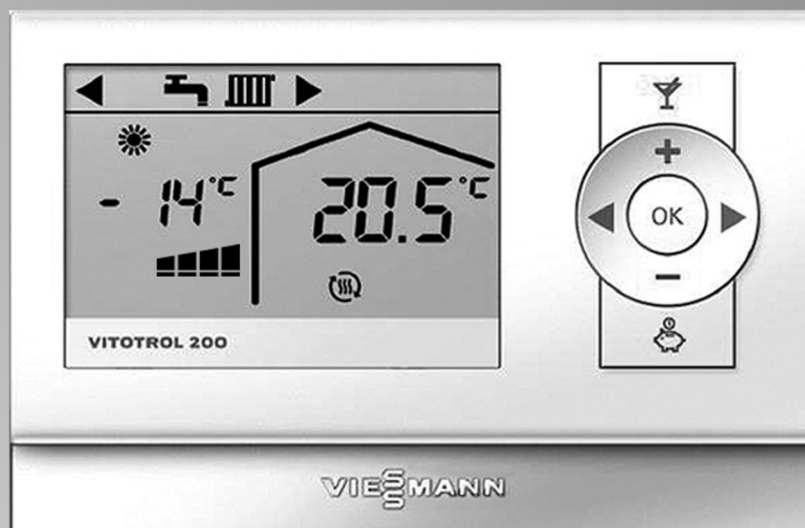


Vitotrol 200 RF

Wireless remote control for one heating circuit

For applicability, see the last page

VITOTROL 200 RF



Safety instructions



Please follow these safety instructions closely to prevent accidents and material losses.

Safety instructions explained



Danger

This symbol warns against the risk of injury.



Please note

This symbol warns against the risk of material losses and environmental pollution.

Note

Details identified by the word "Note" contain additional information.

Target group

These instructions are exclusively intended for qualified contractors.

- Work on gas installations may only be carried out by a registered gas fitter.
- Work on electrical equipment may only be carried out by a qualified electrician.
- The system must be commissioned by the system installer or a qualified person authorised by the installer.

Regulations to be observed

- National installation regulations
- Statutory regulations for the prevention of accidents
- Statutory regulations for environmental protection
- Codes of practice of the relevant trade associations
- All current safety regulations as defined by DIN, EN, DVGW, TRGI, TRF, VDE and all locally applicable standards
 - Ⓐ ÖNORM, EN, ÖVGW G K directives, ÖVGW-TRF and ÖVE
 - ⒸH SEV, SUVA, SVGW, SVTI, SWKI, VKF and EKAS guideline 1942: LPG, part 2

Safety instructions for working on the system

Working on the system

- Where gas is used as the fuel, close the main gas shut-off valve and safeguard it against unintentional reopening.
- Isolate the system from the power supply, e.g. by removing the separate fuse or by means of a mains isolator, and check that it is no longer live.
- Safeguard the system against reconnection.
- Wear suitable personal protective equipment when carrying out any work.



Danger

Hot surfaces can cause burns.

- Before maintenance and service work, switch OFF the appliance and let it cool down.
- Never touch hot surfaces on the boiler, burner, flue system or pipework.



Please note

Electronic assemblies can be damaged by electrostatic discharge.

Prior to commencing work, touch earthed objects such as heating or water pipes to discharge static loads.

Repair work



Please note

Repairing components that fulfil a safety function can compromise the safe operation of the system.

Replace faulty components only with genuine Viessmann spare parts.

Safety instructions (cont.)

Auxiliary components, spare and wearing parts



Please note

Spare and wearing parts that have not been tested together with the system can compromise its function. Installing non-authorised components and making non-approved modifications or conversions can compromise safety and may invalidate our warranty.

For replacements, use only original spare parts supplied or approved by Viessmann.

Safety instructions for operating the system

If you smell gas



Danger

Escaping gas can lead to explosions which may result in serious injury.

- Do not smoke. Prevent naked flames and sparks. Never switch lights or electrical appliances on or off.
- Close the gas shut-off valve.
- Open windows and doors.
- Evacuate any people from the danger zone.
- Notify your gas or electricity supply utility from outside the building.
- Have the power supply to the building shut off from a safe place (outside the building).

If you smell flue gas



Danger

Flue gas can lead to life threatening poisoning.

- Shut down the heating system.
- Ventilate the installation site.
- Close doors to living spaces to prevent flue gases from spreading.

What to do if water escapes from the appliance



Danger

If water escapes from the appliance there is a risk of electrocution.

Switch OFF the heating system at the external isolator (e.g. fuse box, domestic distribution board).



Danger

If water escapes from the appliance there is a risk of scalding.

Never touch hot heating water.

Condensate



Danger

Contact with condensate can be harmful to health.

Never let condensate touch your skin or eyes and do not swallow it.

Flue systems and combustion air

Ensure that flue systems are clear and cannot be sealed, for instance due to accumulation of condensate or other external causes.

Avoid continuous condensate disposal with a wind protector.

Ensure an adequate supply of combustion air.

Inform system users that subsequent modifications to the building characteristics are not permissible (e.g. cable/pipework routing, cladding or partitions).



Danger

Leaking or blocked flue systems, or an inadequate supply of combustion air can cause life threatening poisoning from carbon monoxide in the flue gas.

Ensure the flue system is in good working order. Vents for supplying combustion air must be non-sealable.

Extractors

Operating appliances that exhaust air to the outside (extractor hoods, extractors, air conditioning units, etc.) can create negative pressure. If the boiler is operated at the same time, this can lead to a reverse flow of flue gas.



Danger

The simultaneous operation of the boiler and appliances that exhausts air to the outside can result in life threatening poisoning due to a reverse flow of flue gas.

Fit an interlock circuit or take suitable steps to ensure an adequate supply of combustion air.

1. Safety and liability	Operational reliability	5
	Liability	5
2. Information	Symbols	6
	Intended use	6
	Product information	6
3. Preparing for installation	Installation location	7
	■ Operation with or without room temperature hook-up	7
	■ Wireless connection	7
4. Installation sequence	Overview of the installation and commissioning process	8
	Removing / inserting the remote control	8
	Fitting the wall mounting base	9
	Inserting the batteries	9
5. Commissioning	With wireless base station	10
	■ Following replacement of the wireless base station	10
	With Vitotronic with integral wireless interface	11
	Checking the reception quality at the installation site	12
	■ Displaying the reception quality on the screen	12
	Changing the display contrast	13
	Changing the heating circuit assignment	13
6. Troubleshooting	Fault display	14
7. Parts lists	Ordering parts	15
	Parts list	16
8. Specification	18
9. Certificates	Declaration of conformity	19
10. Keyword index	20

Operational reliability



Danger

Wireless signals can interfere with electronic devices, particularly cardiac pacemakers, hearing aids and defibrillators.










If any such equipment is fitted, users should avoid being in the immediate vicinity of operational wireless components.

- Wireless components may interfere with each other's signal transmission. To ensure reliable signal transmission, maintain a minimum clearance of 0.5 m between wireless components.
- Radio frequency of the wireless components: 868 MHz
- Only operate wireless components indoors.
- Avoid impairment through moisture or dust.
- Ensure the wireless components do not come into contact with gases, vapours or solvents and prevent long-lasting direct insolation.
- Do not operate wireless components in conjunction with the following devices:
 - Devices which directly or indirectly serve for health or life-saving purposes.
 - Devices which, when operated, may result in a risk to humans, animals or property.
- Check the status of the wireless components following a power failure or restart.

Liability

The licensor rejects all liability for loss of profit, unattained savings, or other direct or indirect consequential losses resulting from the use of the wireless components, as well as losses resulting from inappropriate use. The limitation of liability shall not apply if the damage was caused deliberately or through gross negligence, or if mandatory liability applies due to product liability legislation.

Symbols

Symbol	Meaning
	Reference to other document containing further information
	Step in a diagram: The numbers correspond to the order in which the steps are carried out.
	Warning of material losses and environmental pollution
	Live electrical area
	Pay particular attention.
	<ul style="list-style-type: none"> ▪ Component must audibly click into place. or ▪ Acoustic signal
	<ul style="list-style-type: none"> ▪ Fit new component. or ▪ In conjunction with a tool: Clean the surface.
	Dispose of component correctly.
	Dispose of component at a suitable collection point. Do not dispose of component in domestic waste.

Intended use

Install and operate the appliance as intended, in conjunction with the electronic control units and controllers for the Viessmann heat and power generators designed for this system. Also take account of the relevant installation, service and operating instructions. In particular, observe the current and voltage specifications for connections and hook-ups.

The device is exclusively designed for operation in buildings of a domestic or commercial nature.

Incorrect usage or operation of the appliance (e.g. the appliance being opened by the system user) is prohibited and will result in an exclusion of liability. Incorrect usage also occurs if the components in the heating system are modified from their intended function.

Note

The appliance is intended exclusively for domestic or semi-domestic use, i.e. even users who have not had any instruction are able to operate the appliance safely.

Product information

One heating circuit can be operated with a Vitotrol 200 RF. For each of the max. 3 heating circuits within a heating system one Vitotrol 200 RF can be used.

The Vitotrol 200-RF can be connected to the relevant Vitotronic control unit with the associated wireless base station. It can also be connected to Vitotronic control units with integral wireless interface.

Installation location

Operation with or without room temperature hook-up

Do not install additional control devices in this room. If radiators are equipped with thermostatic valves, always open these fully.

■ Weather-compensated mode

Installation in any room (preferably in the main living room)

■ Operation with room temperature hook-up (see Fig. 1)

The integral room temperature sensor captures the room temperature and effects any necessary correction of the flow temperature.

The captured room temperature depends on the installation site:

- On an internal wall in the main living room, approx. 1.5 m above the floor
- Not next to windows or doors
- Not above radiators
- Not between shelves, in recesses, etc.
- Not near heat sources (direct sunlight, fireplace, TV set, etc.)

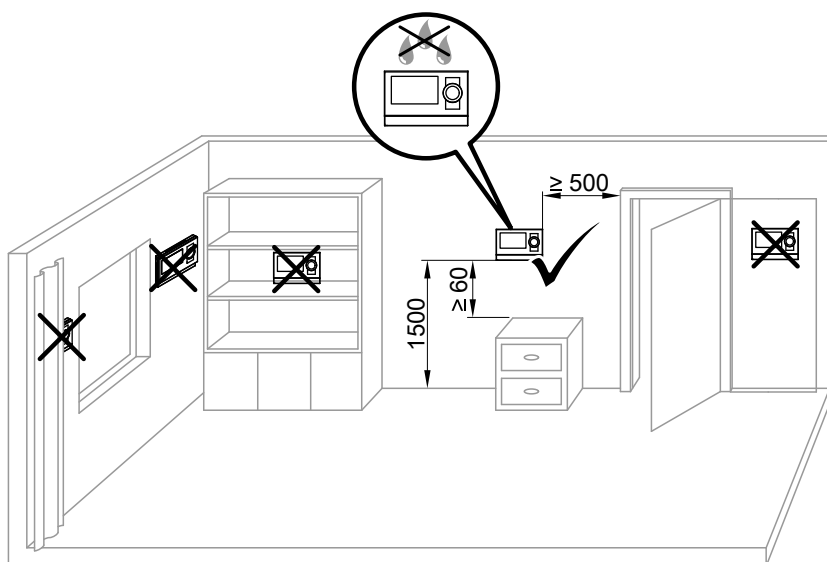


Fig. 1

Wireless connection



Danger

Wireless signals can interfere with electronic medical devices, particularly pacemakers, hearing aids and defibrillators.

If any such equipment is fitted, users should avoid the immediate vicinity of the operational wireless components.

The wireless components operate with a frequency of 868 MHz.

Select the installation site of the Vitotrol 200 RF so that the radio signals are transmitted as vertically as possible through walls and floors to the wireless base station or Vitotronic 200.

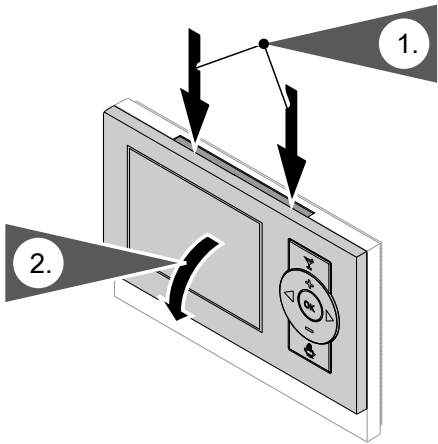
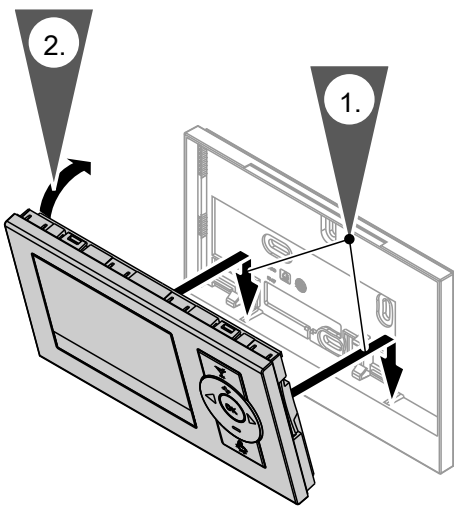
Note

Conducting metallic materials (e.g. steel-reinforced concrete floors) strongly interfere with reception.

Overview of the installation and commissioning process

Steps		Page
1.	Position the Vitotrol 200-RF close to the wireless base station or the Vitotronic with integral wireless interface.	—
2.	Commissioning the Vitotrol 200-RF: <ul style="list-style-type: none">▪ With Vitotronic with wireless base station▪ With Vitotronic with integral wireless interface	10 11
3.	Position the Vitotrol 200-RF at the chosen installation site. Test the reception quality.	11
4.	If the reception is good, fit the Vitotrol 200-RF.	9
	If the reception is poor, use the wireless repeater (accessories). Repeat commissioning.	

Removing / inserting the remote control

Removing the remote control	Inserting the remote control
	

Fitting the wall mounting base

Commission the Vitotrol 200-RF **before** permanently securing it in place (see page 10 or 11).

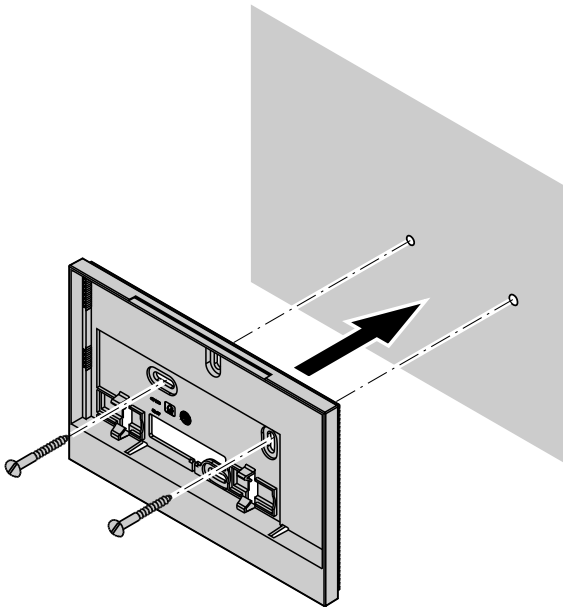


Fig. 2

Inserting the batteries

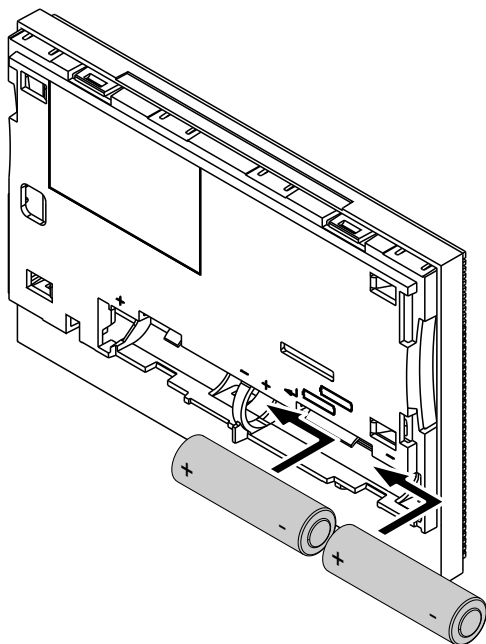


Fig. 3

Only use the batteries supplied or similar (LR 6/AA/ Mignon 3 V–, 2600 mAh).

Note

As soon as power is first supplied to the Vitotrol 200 RF, the commissioning assistant starts automatically. The display shows "C1" and "Lrn" flashes.

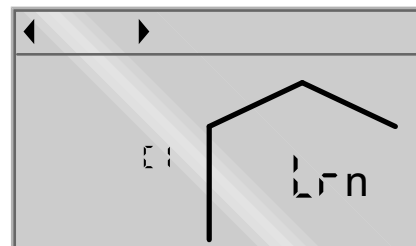


Fig. 4

With wireless base station

1. Connect the wireless base station to the control unit via KM BUS.



"Wireless base station" installation and service instructions

Switch ON the Vitotronic control unit to which the wireless base station is connected.

2. Insert batteries into the Vitotrol 200-RF: See page 9.
3. Press button (A) on the wireless base station:
 - Operation **without** wireless repeater: for 4 s
The green LED on the wireless base station flashes slowly.
 - Operation **with** wireless repeater: for 8 s
The green LED on the wireless base station flashes quickly.

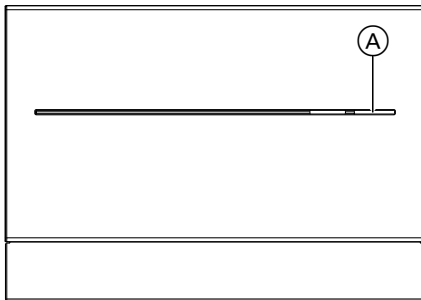


Fig. 5

4. Press **OK** on the Vitotrol 200 RF.
The Vitotrol 200 RF transmits a signal to log on to the wireless base station.
 - Successful connection to the wireless base station:
The display shows "C2" and "000" (1st digit flashes).
 - Connection to the wireless base station failed:
The display shows "C1" and .
"Lrn" flashes.
Repeat the logon process with **OK**.

5. Note down the 3-digit wireless key:
The wireless key is printed on the protective foil on the front of the wireless base station.
If the protective foil has been removed, use the wireless key recorded in the installation and service instructions for the wireless base station.
6. Enter the 3-digit wireless key:
 - Use **+/-** to enter the first digit. Confirm with **OK**.
 - Select the next position with **▶**. Use **+/-** to enter the next digit. Confirm with **OK**.
 - Successful input of the wireless key:
The display shows "C3" and "H 1".
 - Input of the wireless key failed:
The display shows "C2" and "000" (1st digit flashes).
Enter the 3-digit wireless key again.
7. Use **+/-** to select the heating circuit that is to be operated via the Vitotrol 200 RF.
"H 1" for heating circuit 1
"H 2" for heating circuit 2
"H 3" for heating circuit 3
8. **OK** to confirm.
The initialisation takes approx. 5 min.
The default display appears.

Following replacement of the wireless base station

1. Remove the Vitotrol 200 RF and place it near the wireless base station.
2. Simultaneously press and hold and on the Vitotrol 200-RF for approx. 4 s.
The display shows "C1" and "Lrn" flashes.

With wireless base station (cont.)

3. Press button (A) on the wireless base station:
 - Operation **without** wireless repeater: for 4 s
The green LED on the wireless base station flashes slowly.
 - Operation **with** wireless repeater: for 8 s
The green LED on the wireless base station flashes quickly.

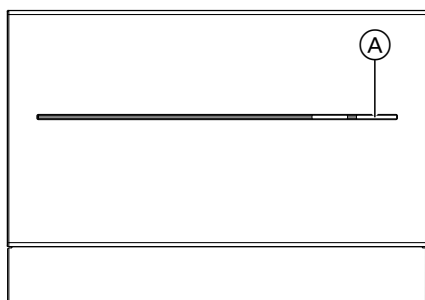



Fig. 6

4. Press **OK** on the Vitotrol 200 RF.
The Vitotrol 200 RF transmits a signal to log on to the wireless base station.
 - Successful connection to the wireless base station:
The display shows **"C1"** and **"on"**.
The LED on the wireless base station illuminates green.
 - Connection to the wireless base station failed:
The display shows **"C1"** and **△**.
"Lrn" flashes.
Repeat the logon process with **OK**.
5. Use **▶** to select **"C2"**.
The display shows **"C2"** and **"000"** (1st digit flashes).
6. Note down the 3-digit wireless key:
The wireless key is printed on the protective foil on the front of the wireless base station.
If the protective foil has been removed, use the wireless key recorded in the installation and service instructions for the wireless base station.
7. Enter the 3-digit wireless key:
 - Use **+/-** to enter the first digit. Confirm with **OK**.
 - Use **▶** to select the next position; use **+/-** to enter the next digit and confirm with **OK**.
 - Input of the wireless key successful:
The display shows **"C2"** and **"on"**.
 - Input of the wireless key failed:
The display shows **"C2"** and **"000"** (1st digit flashes).
Enter the 3-digit wireless key again.
8. Press **▶**.
9. **"C3"** and **"H 1"** appear on the display.
10. Use **+/-** to select the heating circuit that is to be operated via the Vitotrol 200 RF.
 - "H 1"** for heating circuit 1
 - "H 2"** for heating circuit 2
 - "H 3"** for heating circuit 3
11. **OK** to confirm.
The initialisation takes approx. 5 min.
12. Simultaneously press and hold **↶** and **⊗** on the Vitotrol 200-RF for approx. 4 s.
The default display appears.


Note

If the logon has failed, **----** and **△** appear on the display. Repeat the logon process from step 2.

With Vitotronic with integral wireless interface



1. Start the Vitotronic control unit.
 -  Heat generator installation and service instructions
2. Insert batteries into the Vitotrol 200-RF; see page 9.
3. Press **OK** on the Vitotrol 200 RF.
The Vitotrol 200 RF transmits a signal to log on to the heat generator control unit.
 - Log on successful:
The display shows **"C2"** and **"000"** (1st digit flashes).
 - Log on unsuccessful:
The display shows **"C1"** and **△**.
"Lrn" flashes.
Repeat the logon process with **OK**.

With Vitotronic with integral wireless interface (cont.)

4. Note down the 3-digit wireless key:
The wireless key is printed on the protective foil on the front of the wireless base station.
If the protective foil has been removed, use the wireless key recorded in the installation and service instructions for the wireless base station.
5. Enter the 3-digit wireless key:
 - The wireless key is displayed on the heat generator control unit.
 Heat generator installation and service instructions, chapter "Wireless accessory logon"
 - Use **+/-** to enter the first digit, then confirm with **OK**.
 - Use **▶** to select the next position; use **+/-** to enter the next digit and confirm with **OK**.
 - Successful input of the wireless key:
The display shows "**C3**" and "**H 1**".
 - Input of the wireless key failed:
The display shows "**C2**" and "**000**" (1st digit flashes).
6. Use **+/-** to select the heating circuit that is to be operated via the Vitotrol 200 RF.
"H 1" for heating circuit 1
"H 2" for heating circuit 2
"H 3" for heating circuit 3
7. **OK** to confirm.
The initialisation takes approx. 5 min.
The default display appears.

Checking the reception quality at the installation site

Displaying the reception quality on the screen

1. Press **OK** and  simultaneously and hold for approx. 4 s.
The display shows "**d1**" and "**H . . .**" for the assigned heating circuit.
2. Use **◀▶** to show the reception quality on the display:
 - "**d2**" Transmission path between wireless base station and Vitotrol 200 RF
or
Vitotronic control unit with integral wireless interface and Vitotrol 200 RF
 - "**d3**" Transmission path between Vitotrol 200 RF and wireless base station
or
Vitotrol 200 RF and Vitotronic control unit with integral wireless interface
 - "**d4**" Transmission path between the wireless outside temperature sensor and wireless base station
or
Wireless outside temperature sensor and Vitotronic control unit with integral wireless interface
3. Ending the check:
Simultaneously press  and **OK** on the Vitotrol 200-RF and hold for approx. 4 s.

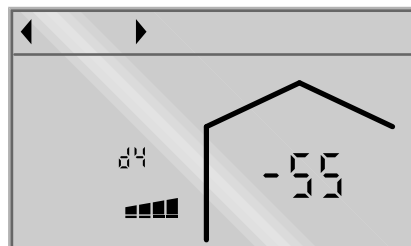







Fig. 7

Checking the reception quality at the... (cont.)






Meaning of display

Display	Value in dBm	Reception quality
	0 to -78	Very good
	-79 to -83	Good
	-84 to -87	Adequate
	-88 to -91	Inadequate
	-92 to -...	No reception






Note

If the reception quality is inadequate, either select a different installation site and repeat the check or use a wireless repeater (accessories).

Changing the display contrast

1. Simultaneously press and hold  and  on the Vitotrol 200-RF for approx. 4 s.
2. Use  to select "C4".
3. Change the contrast with +/-.
In the delivered condition, an average value (3) is set.
4. Press **OK** to confirm
5. Simultaneously press and hold  and  on the Vitotrol 200-RF for approx. 4 s.


Changing the heating circuit assignment

1. Simultaneously press and hold  and  on the Vitotrol 200-RF for approx. 4 s.
2. Use  to select "C3".
3. Use +/- to select heating circuit 1 ("H 1"), heating circuit 2 ("H 2") or heating circuit 3 ("H 3").
4. **OK** to confirm.
The operating status of the heating system is transmitted.
5. Simultaneously press and hold  and  on the Vitotrol 200-RF for approx. 4 s.
The default display appears.
6. Make the following settings at the Vitotronic control units:
 - **Vitotronic 200, type CO1E, CO1I and Vitotronic 300, type CM1E, CM1I:**
For each heating circuit, adjust parameter "00" in the "Heating circuit ..." group.
 - **Vitotronic 200 heat pump control unit:**
Adjust parameters 2003, 3003, 4003.
 - **All other Vitotronic control units:**
For each heating circuit, adjust coding addresses "A0" in the "Heating circuit ..." group.




Installation and service instructions for the relevant Vitotronic or for the heat generator with Vitotronic with integral wireless interface

Fault display

The  symbol flashes on the display if a fault has occurred.



For troubleshooting, see the installation and service instructions for the relevant Vitotronic control unit or for the heat generator with Vitotronic with integral wireless interface

If the display shows ---- and , the wireless connection has been interrupted or has not been established yet.

- Log components off for troubleshooting.



Installation and service instructions for the wireless base station or the heat generator with Vitotronic with integral wireless interface

- Log the components on again (see page 10 or 11). If required, use wireless repeaters (accessories).

Ordering parts

The following details are required when ordering parts:

- Serial no. (see type plate (A))
- Position number of the part (from this parts list)



Parts list

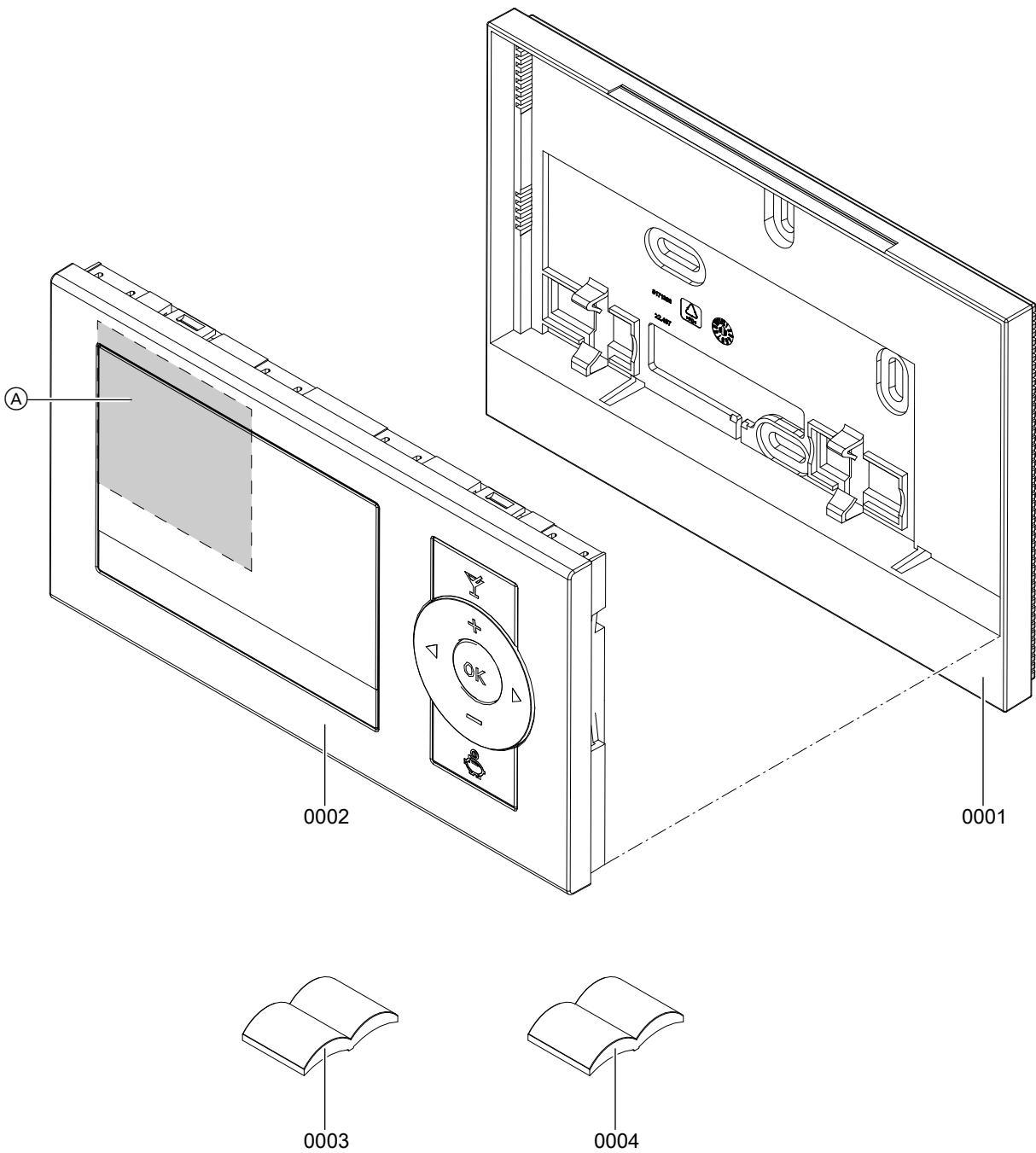


Fig. 8

Parts list (cont.)

Pos.	Part
0001	Wall mounting base
0002	Programming unit
0003	Installation and service instructions
0004	Operating instructions



Specification

Specification

Power supply	2 LR 6/AA/Mignon batteries 3 V–, 2600 mAh
Battery life	Approx. 2 years
Radio frequency	868 MHz
Protection class	III
IP rating	IP 30
Permissible ambient temperature	
▪ Operation	0 to +40 °C
▪ Storage and transport	–20 to +65 °C
Setting range for set room temperature	3 to 37 °C

Declaration of conformity**Vitotrol 200-RF**

We, Viessmann Werke GmbH & Co. KG, D-35107 Allendorf, declare as sole responsible body that the named product complies with the provisions of the following directives and regulations:

2014/53/EU RED
2011/65/EU RoHS II

Applied standards:

EN 60730-1: 2016
EN 60730-2-9: 2010
EN 55014-1: 2016
EN 55014-2: 2015
EN 301489-1: V.2.2.1
EN 301489-3: V.2.1.1
EN 300220-2: V.3.1.1
EN 62479: 2010

In accordance with the listed directives, this product is designated with **CE**.

Allendorf, 17 July 2017

Viessmann Werke GmbH & Co. KG



Authorised signatory Reiner Jansen
Head of Strategic Quality Management

Keyword index

B		L	
Batteries.....	9	Liability.....	5
C		P	
Checking the reception quality.....	12	Parts list.....	16
Commissioning.....	10	Product information.....	6
– With Vitotronic with integral wireless interface.....	11	R	
– With Vitotronic with wireless base station.....	10	Reception quality.....	12
Contrast.....	13	Remote control.....	8
F		Room temperature hook-up.....	7
Fault display.....	14	S	
Fitting.....	9	Safety.....	5
H		V	
Heating circuit assignment.....	13	Vitotronic.....	8
I		W	
Information.....	6	Wall mounting base.....	9
Installation location.....	7	Weather-compensated mode.....	7
Integral wireless interface.....	8	Wireless base station.....	10
Intended use.....	6	Wireless connection.....	7
K		Wireless interface.....	8
KM BUS.....	10		

Applicability

Serial No.:

7441652

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