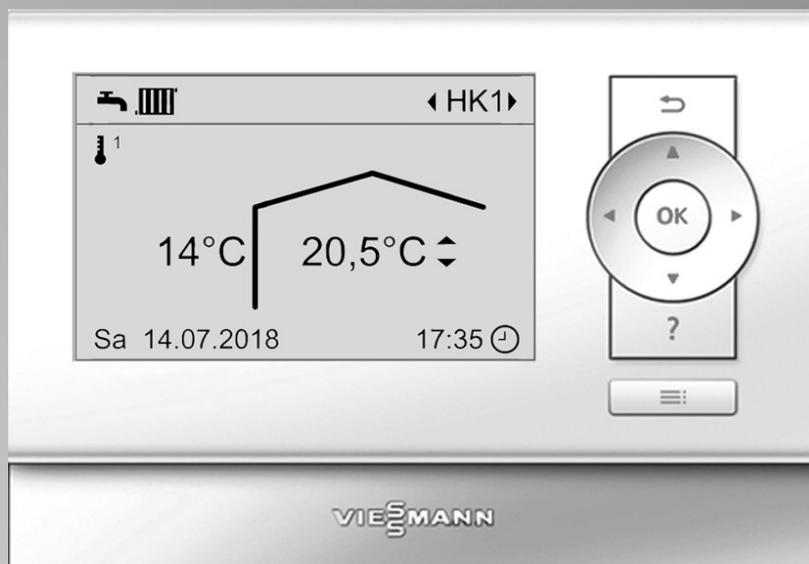


Vitotrol 200-E

Remote control for up to 4 heating circuits

VITOTROL 200-E



Safety instructions

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
 - Ⓒ 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 and fluids can lead to burns or scalding.

- 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-authorized 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.

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Disposal of packaging

Please dispose of packaging waste in line with statutory regulations.

DE: Use the disposal system organised by Viessmann.

AT: Use the ARA statutory disposal system (Altstoff Recycling Austria AG, licence number 5766).

CH: Packaging waste is disposed of by the HVAC contractor.

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.

Intended use (cont.)

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

Vitotrol 200-E

Wired remote control for connection to Viessmann heat generators

For programming up to 4 heating circuits:

- Up to 3 set room temperatures (Comfort, Standard, Reduced) can be set
- A set DHW temperature can be specified

- Holiday program and "Holiday at home" function
- Time programs for heating circuits and DHW cylinder
- Comfort function
- Backlit graphic display

Permissible ambient temperatures in the installation room

	Min.	Max.
Permissible ambient temperature	0 °C	40 °C

System requirements

Supported control units

For an up to date overview of the supported control units:

See www.vitotrol.info

Installation sequence

Place of installation

- **Weather-compensated operation**
Installation in any room
- **Operation with room temperature hook-up**
 - In the main living room on an internal wall
 - Distance to floor: Min. 1.5 m
 - Not near windows or doors
 - Not above radiators
 - Not near heat sources (direct sunlight, fireplace, TV set, etc.)

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

Note

If the remote control cannot be installed in a suitable location, connect a separate room temperature sensor.

Fitting and connecting the Vitotrol 200-E

- ! **Please note**
Electronic assemblies can be damaged by electrostatic discharge.
Prior to commencing any work, touch earthed objects such as heating or water pipes to discharge static loads.

Connection

2-core cable with a cross-section of at least 0.75 mm²; cores are interchangeable.
Max. cable length 50 m

Note

Never route the cable to the remote control immediately next to 230/400 V cables.

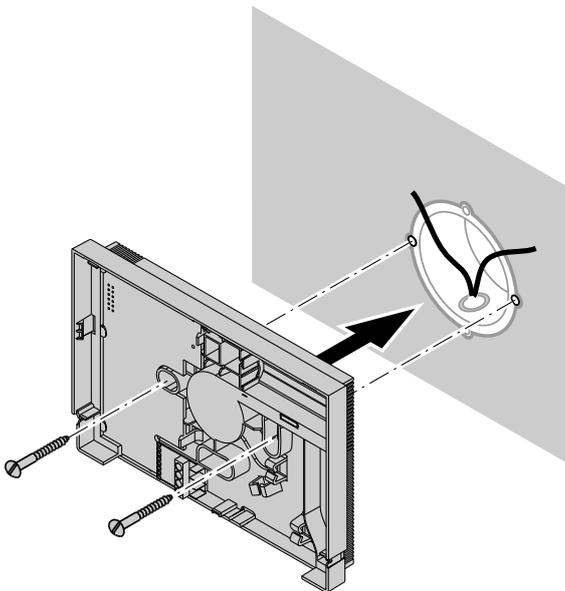


Fig. 1

Fitting and connecting the Vitotrol 200-E (cont.)

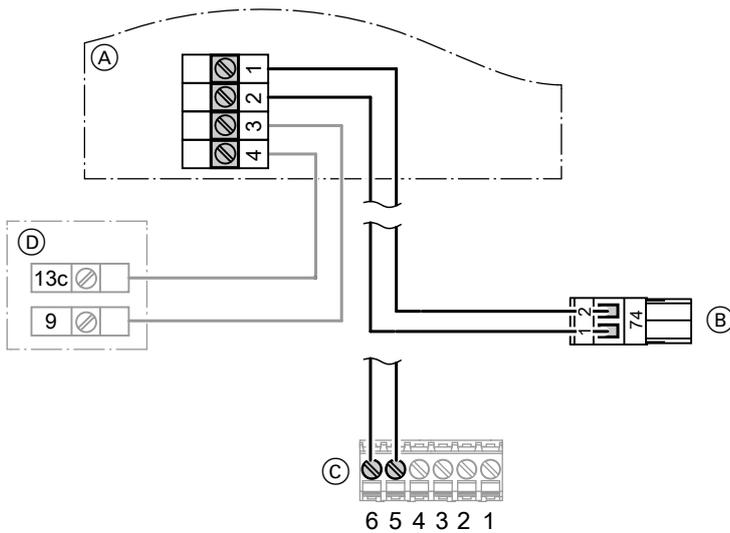


Fig. 2

- (A) Vitotrol 200-E
- (B) 2-pole plug 74 (control unit with PlusBus distributor)

- (C) Plug & play plug with screw terminals for PlusBus connection to heat generator
- (D) External room temperature sensor NTC 10 kΩ (accessories)

Total length of **all** PlusBus cables max. 50 m.



Connection to plug & play plug:

Heat generator installation and service instructions

Connecting several remote controls

Two Vitotrol 200-E can be connected to the same control unit.

Total length of **all** PlusBus cables max. 50 m.

Version 1

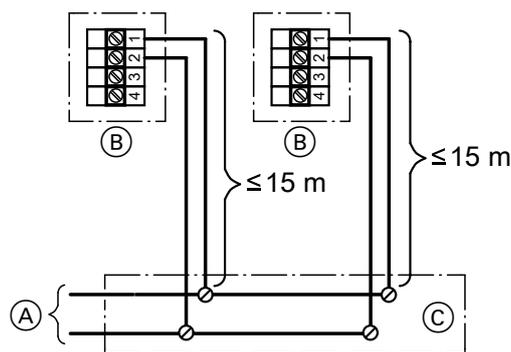


Fig. 3

- (A) To the control unit (see connection diagram on page 9)
- (B) Vitotrol 200-E
- (C) On-site junction box

Version 2

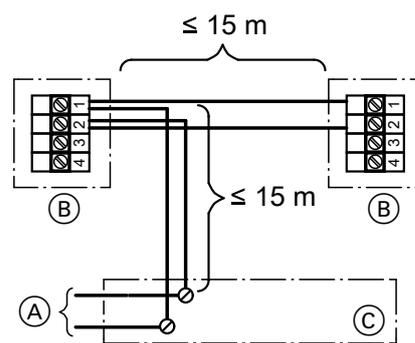


Fig. 4

- (A) To the control unit (see connection diagram on page 9)
- (B) Vitotrol 200-E
- (C) On-site junction box

Installation sequence

Fitting and removing the programming unit

- !** **Please note**
The remote control is supplied with power by the control unit.
Never insert batteries into the battery compartment.

Fitting

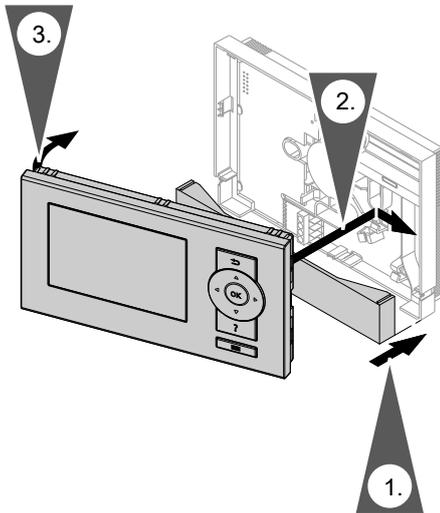


Fig. 5

Removing

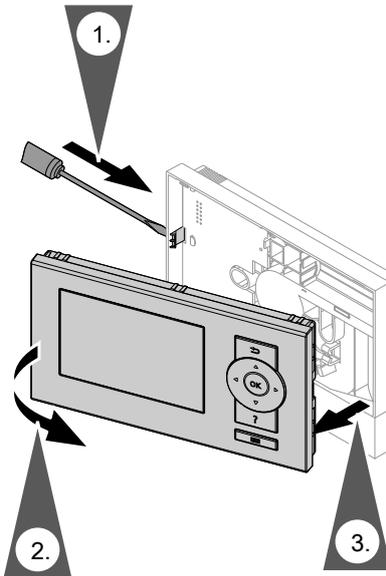


Fig. 6

Configuring the remote control

Up to 4 heating circuits can be controlled with a Vitotrol 200-E.

Up to 2 Vitotrol 200-E can be connected to one control unit.

The remote control must be configured during commissioning:

- If no Vitotrol 200-E has previously been connected to the heating system: See chapter "Reconfiguration".
- If a Vitotrol 200-E previously connected to the heating system is being replaced with a new Vitotrol 200-E: See chapter "Configuration following replacement of the remote control".
- If there is already a Vitotrol 200-E connected to the heating system and an additional Vitotrol 200-E is being fitted: See chapter "Configuration following replacement of the remote control".

Reconfiguration

1. Switch ON the power supply at the control unit.



Control unit installation and service instructions

2. Use ▲/▼ to select the language.
3. **OK** to confirm
4. Use ▲/▼ to select the subscriber number, e.g. 1.

Note

If several Vitotrol are being installed in a system, a different subscriber number must be set at each Vitotrol, e.g. 1, 2 or 3.

5. **OK** to confirm

6. If available: Mark the room temperature sensor with **OK**. Use ▼ to select "**Save with OK**". The operating status of the heating circuits/system is transmitted. A progress bar appears on the display. This process may take several minutes. When the progress bar disappears, the configuration is complete.

Note

To return to the configuration, press ↵ and ? simultaneously and hold for approx. 5 s.

7. Configure the remote control at the control unit.



Control unit installation and service instructions

A progress bar appears on the display of the remote control while the control unit is being configured.

Configuration following replacement of the remote control

1. Look at the fault message at the control unit of the heat generator to find the subscriber number of the remote control (48, 49, 50 or 51).
2. Look in the following table to find the correct subscriber number that needs to be set at the new remote control (1, 2, 3 or 4).
3. Follow the steps detailed in chapter "Reconfiguration". Set the subscriber number specified in the table.

Subscriber number shown at the control unit	Subscriber number to be set at the remote control
48	1
49	2
50	3
51	4

Configuring the remote control (cont.)**Configuring an additional remote control**

1. Call up the subscriber number of the existing remote control at the control unit of the heat generator:
In the **"Service"** menu, look under **"Appliances detected"** to see which of the subscriber numbers are already assigned to other remote controls (48, 49, 50 or 51).
2. In the following table, look for one of the unassigned subscriber numbers. Read off the relevant subscriber number that needs to be set at the new remote control (1, 2, 3 or 4).
3. Follow the steps detailed in chapter "Reconfiguration". Set the subscriber number specified in the table.

Subscriber number shown at the control unit	Subscriber number to be set at the remote control
48	1
49	2
50	3
51	4

Service indication

If the heating system is due for a service, the  symbol flashes on the display and **"Service"** is shown.

Call up the submenu with the **OK** key to acknowledge all current service messages.



Further information on the pending service:
Control unit installation and service instructions

Fault display

In the event of a fault, the  symbol flashes on the display and **"Fault"** is shown.

Call up the submenu with the **OK** key to acknowledge all current fault messages.

The exact fault code is only shown on the display of the control unit.



Meaning of the fault codes:
Control unit installation and service instructions

Acknowledging a fault

Follow the instructions on the display.

Note

Any connected alarm is switched off.

If an acknowledged fault is not remedied, the fault message is redisplayed the following day and the alarm is switched on.

Calling up acknowledged fault messages

An acknowledged fault message can only be called up at the control unit of the heat generator.



Control unit installation and service instructions

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)

Vitotrol 200-E

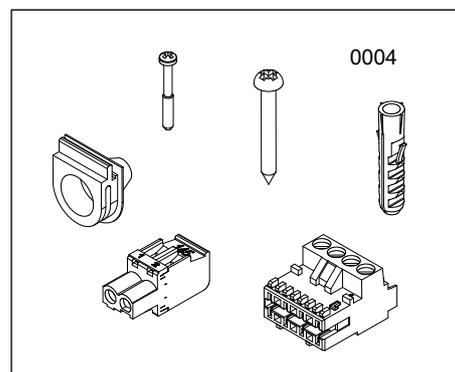
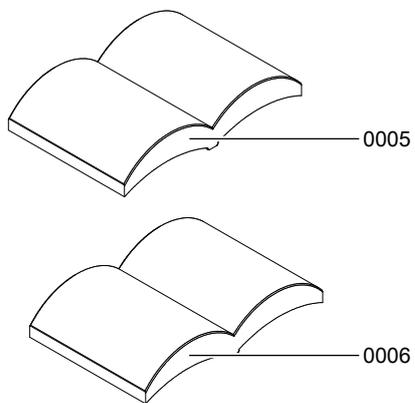
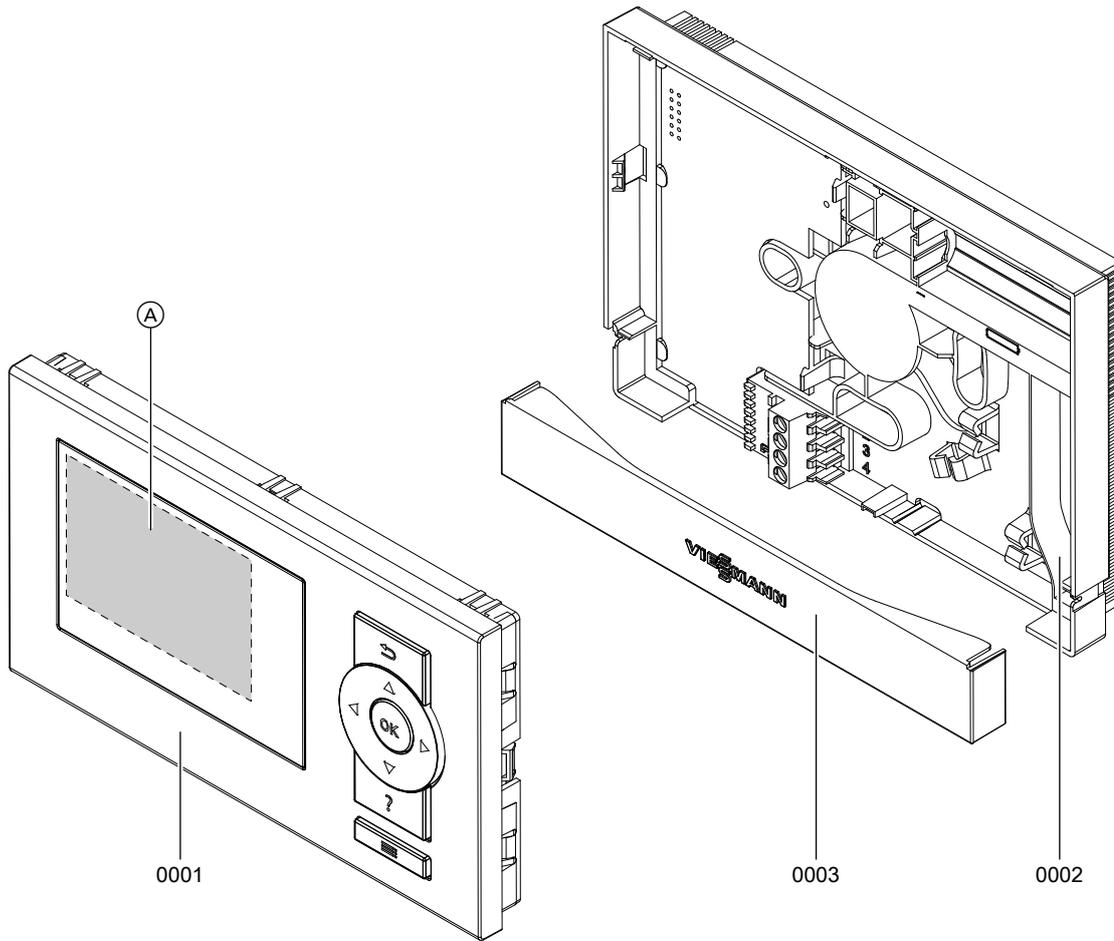


Fig. 7

Vitotrol 200-E (cont.)

Pos.	Part
0001	Programming unit
0002	Wall mounting base
0003	Cover, wiring chamber
0004	Fixing materials and plugs
0005	Installation instructions
0006	Operating instructions

Specification

Power supply		Via PlusBus
Voltage	V	28
Current	mA	25
Protection class		⚡
Permissible ambient temperature		
▪ Operation	°C	0 to +40
▪ Storage and transport	°C	-20 to +65 °C

Declaration of conformity

We, Viessmann Werke GmbH & Co. KG, D-35107 Allendorf, declare as sole responsible body that the named product complies with the European directives and supplementary national requirements in terms of its design and operational characteristics. Conformity has been verified with the CE designation. Using the serial number, the full Declaration of Conformity can be found on the following website:

www.viessmann.co.uk/eu-conformity

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