Operating instructions

for the system user

Vitotrol 300-E

Wireless remote control for up to 4 heating circuits

VITOTROL 300-E

5839615 GB 4/2020

Please keep safe.

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 intended for system users.
Individual sections of these instructions describe activities to be carried out by contractors.
This device can also be operated by children 8 years and older, as well as by individuals with reduced physical, sensory or mental faculties or those lacking in experience and knowledge, provided such individuals are being supervised or have been instructed in the safe use of this appliance and any risks arising from it.

⚠ **Danger**
Wireless signals can interfere with electronic medical devices, particularly pacemakers, hearing aids and defibrillators.
If any such equipment is fitted, users should avoid being in the immediate vicinity of operational wireless components.

Installation and adjustment

- All settings and work on the device must be carried out as specified in these instructions.
- Work on electrical equipment may only be carried out by a qualified electrician.
- Always connect devices at correctly installed sockets.
- When working on the device, disconnect the mains plug.
- Observe minimum clearances to ensure reliable signal transmission.

Safety instructions (cont.)

Operation of the system

- Always operate devices in dry indoor rooms (never in bathrooms).
- Never operate devices in rooms where there is a risk of explosion.
- Protect devices from:
  - Moisture
  - Dust
  - Liquids
  - Vapours
  - Direct insolation
  - Other direct thermal radiation
- After a power failure or restart, check the status of the wireless components.
- Never touch the power supply unit/ power cable with wet hands.

⚠ **Danger**
Damaged equipment poses a safety hazard.
Check the appliance for external damage. Never start up a damaged appliance.

Auxiliary components and individual parts

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

⚠ **Danger**
Connecting unsuitable power supply units/power cables poses a fire risk.
Only connect the power supply unit/ power cable provided.

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Operational reliability and system requirements

System safety:
- When connecting the remote control to the power supply, only use the plug-in power supply unit provided or the power supply unit for flush mounting.
- The heating system and the functionality of the message paths must be tested at regular intervals.
- To improve the operational reliability of the heating system, we recommend implementing supplementary measures, e.g. frost protection or monitoring for water damage.

System requirements for a reliable WiFi internet connection:
- WiFi router with activated WiFi:
  The WiFi router must be protected by a sufficiently secure WPA2 password.
  Do not use unencrypted connections between the heat generator and the WiFi router.
- Internet connection with high availability:
  Flat rate (flat rate tariff **without** restriction on time or data volume)
- Dynamic IP addressing (DHCP, delivered condition) in the network (WiFi):
  Have this checked on site, and if required set up, by an IT expert **prior to** commissioning.
- Set routing and security parameters in the IP network (LAN):
  Enable port 80, port 123, port 443 and port 8883 for direct outward connections.
  Have this checked and, if necessary, set up on site by an IT expert **before** commissioning.

Reliable remote control operation:
- The heat generator control unit **and** the Vitotrol 300-E remote control must be connected via low power radio.
- At least 1 heating circuit must be assigned to the remote control (settings to be input by the contractor at the control unit of the heat generator).
- Commissioning has been carried out.
- The remote control's full range of functions is only available if the software is up to date:
  To enable software updates, the heat generator has to be connected to the internet via a WiFi router. The download always takes place via the Viessmann server.
  Automatic software updates only occur if a permanent internet connection is provided via the heat generator (recommendation).

Settings for WiFi and low power radio at the heat generator:
Heat generator operating instructions

New requirements for operational reliability are provided and updated under **www.vitotrol.info**.

Liability

No liability is accepted for loss of profit, unattained savings, or other direct or indirect consequential losses resulting from use of the Vitotrol 300-E, the Viessmann server or the software, or for damage resulting from inappropriate use.
Liability is limited to typical damage arising if a fundamental contractual obligation is violated through slight negligence, the fulfilment of which is essential for proper execution of the contract.
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.

The Viessmann General Terms and Conditions apply, which are included in each current Viessmann pricelist. Viessmann accepts no liability for push notifications and email services, which are provided by network operators. The terms and conditions of the relevant network operators apply in this context.

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Disposal of packaging

Please dispose of packaging waste in line with statutory regulations.

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.
	▪ Component must audibly click into place. or ▪ Acoustic signal
	▪ 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.

Terminology

To provide you with a better understanding of the functions of your remote control, some terminology is explained. This information can be found in chapter "Terminology" in the Appendix.

Contractor

Activities that may only be carried out by the contractor are indicated with this symbol.

Work on electrical equipment may only be carried out by a qualified electrician.

Intended use

Install and operate the Vitotrol 300-E as intended and only in conjunction with the electronic control units and controllers of the supported Viessmann heat and power generators. The Vitotrol 300-E may only be used with heat generators that have a control unit configured for "detached houses". If the control unit is configured for "apartment buildings", the Vitotrol 300-E must **not** be used.

The Vitotrol 300-E is exclusively designed for operation in buildings of a domestic or commercial nature. Incorrect use of the device is prohibited and will result in an exclusion of liability (e.g. commercial or industrial use other than for control and monitoring purposes).

Installation, service and operating instructions included with the product and available online must be observed.

Use the Vitotrol 300-E for system operation with the user interfaces and communication interfaces exclusively specified for this purpose in the relevant product documentation. With regard to the communication interfaces, ensure on site that the system requirements specified in the product documentation are met at all times for every transfer medium employed, e.g. the required WiFi connection of the heat generator to a WiFi router.
Only use the specified components for the power supply, e.g. plug-in power supply units.

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

Product information

The Vitotrol 300-E is a wireless remote control for Viessmann heat generators and is connected to the control unit of the heat generator via "low power radio". Up to 4 heating circuits can be controlled with the Vitotrol 300-E. The Vitotrol 300-E can be used to set room temperatures and operating programs, or call up fault messages.

Note
No more than 1 Vitotrol 300-E can be configured for each control unit.

Up to date information on the remote control

For a current overview of the supported control units and updates for the product, e.g. information on commissioning: See **www.vitotrol.info**.

Spare parts lists

Information about spare parts can be found at **www.viessmann.com/etapp** or in the Viessmann spare part app.

Download on the App Store

GET IT ON Google Play

Commissioning

Heat generator control unit

The commissioning and matching of the control unit to local conditions and building characteristics, as well as instructing the user in the operation of the system, is carried out by your contractor.

During commissioning, the control unit settings are transferred to the remote control.

Commissioning (cont.)

Remote control

Commissioning of the Vitotrol 300-E: See page 19.

Your system has been preset

The control unit preset at the factory.

Heat generator operating instructions

The range of functions and displays on your remote control depends on the control unit it is connected to, its settings and the equipment of the system overall. Your contractor can make further adjustments for you during commissioning.

You can change the settings at any time to suit your individual requirements.

Winter/summertime changeover

This changeover is automatic.

Power failure

All settings are saved if there is a power failure.

Energy saving tips

Saving energy when using central heating

- Do not overheat your home. Every degree of room temperature reduction saves up to 6 % on your heating bills.
  Do not set your individual preferred temperature too high, e.g. not above 20 °C: See page 26.
- Heat your home to the reduced room temperature at night or during regular absences (not applicable to underfloor heating). To do this, set the time programs for central heating.
- To switch off functions that are not required (e.g. central heating in summer), select the "Only DHW" and "Standby mode" operating programs.
  Heat generator operating instructions
- If you are going away, set the **"Holiday program"** : See page 28.
  During the period that you are away, the room temperature will be reduced and DHW heating switched off.

Saving energy on DHW heating

- At night or during regular absences, heat the DHW to a lower temperature. To do this, set the time program for DHW heating.
- Switch on DHW circulation only for those times in which you regularly use hot water. To do so, adjust the settings in the time program for the DHW circulation pump. These settings can only be made at the control unit of the heat generator.
  Heat generator operating instructions

For additional energy saving functions, e.g. on the control unit, please contact your contractor.

Tips for greater comfort

More comfort in your home

- Set your individual preferred temperature: See page 26.
- Set the time program for your heating circuits such that your individual preferred temperature is automatically reached when you are present.
- If you need a higher room temperature in the short term, select the **"Extended heating"** function: See page 27.
  Example: Late in the evening, the reduced room temperature is set by the time program. Your guests stay longer.
- If you are spending more time than usual at home, select **"Holiday at home"** : See page 27.

Tips for greater comfort (cont.)

Sufficient DHW heating for your needs

- Set the time program for DHW heating such that there is always sufficient hot water for your usual needs: See page 30.
  Example:
  You need more DHW in the morning than in the daytime.
- Set the time program for the DHW circulation pump so that at times when hot water is used frequently, DHW is available immediately from the taps. These settings can only be made at the control unit of the heat generator.

  Heat generator operating instructions
- If you need your hot water at a higher temperature for a short while, select "Once-only DHW heating outside the time program": See page 31.

Installation location

Install your remote control on a wall.
- Installation only in enclosed buildings
- The installation location must be dry and free of frost.
- Ensure ambient temperatures between +5 and +40 °C.
- Never seal off the vent apertures of the Vitotrol 300-E.
- Distance to floor min. 1.5 m
- Not next to windows or doors
- Not above radiators
- Not between shelves, in recesses, etc.
- Not near heat sources (direct insolation, fireplace, TV set, etc.)
- Standard socket 230 V/50 Hz
  or
  US/CA: Socket 120 V/60 Hz
  no more than 1 m away from place of installation
- Internet access with adequate WiFi signal
  Note
  The WiFi signal strength can be increased with commercially available WiFi repeaters.

Note
- *When selecting the installation location, note the length of the connecting cable for the plug-in power supply unit included: 1.5 m.*
- *To ensure a good wireless or WiFi connection, keep the distance between the Vitotrol 300-E, the heat generator and the WiFi router as small as possible. Check the reception quality at the intended installation site: See the following chapter.*

Checking the reception quality at the installation location

In order to check the reception quality at the intended installation location, first start the Vitotrol 300-E: See page 19.

Tap the following on-screen buttons:

1. Operating button ⓒ: See diagram on page 20.
2. ‹› for **"Device info"**
3. \+ for **"SHOW"**
4. ‹› to call up the signal strength for **"WiFi Status"** or **"Low Power Radio Status"**.

Note
- *To ensure a stable wireless connection, we recommend a signal strength of at least –75 dBm: See the following table.*
- *The poorer the reception quality, the longer it takes for the Vitotrol 300-E to establish a connection to the heat generator. It can take up to 6 minutes to establish the connection.*

Meaning of display

Display	Value in dBm	Reception quality
▂▄▆	0 to –55	Very good
▂▄▆	–56 to –65	Good
▂▄	–66 to –75	Adequate
▂	–76 to –85	Inadequate
▁	–86 to –...	No reception

Range of the wireless signal

The range of wireless signals may be reduced by walls, ceilings and interior fixtures. These weaken the wireless signal, causing poor reception due to the following circumstances.
- On their way between transmitter and receiver, wireless signals are **damped**, e.g. by air or when penetrating walls.
- Wireless signals are **reflected** by metallic objects e.g. reinforcements embedded in walls, metal foil of thermal insulation and thermal glazing with metallised thermal vapour deposit.
- Wireless signals are **isolated** by service ducts and lift shafts.
- Wireless signals are **disrupted** by devices that also operate with high frequency signals. Maintain a distance of **at least 2 m** from these devices:
  - Computers
  - Audio and video systems
  - Devices with active WiFi connection
  - Electronic transformers
  - Pre-ballasts

Installation location (cont.)

Angle of penetration

The reception quality remains best if radio signals hit the walls vertically.
Depending on the angle of penetration, the effective wall thickness changes and so does the extent to which the electromagnetic waves are damped.

Flat (unfavourable) angle of penetration

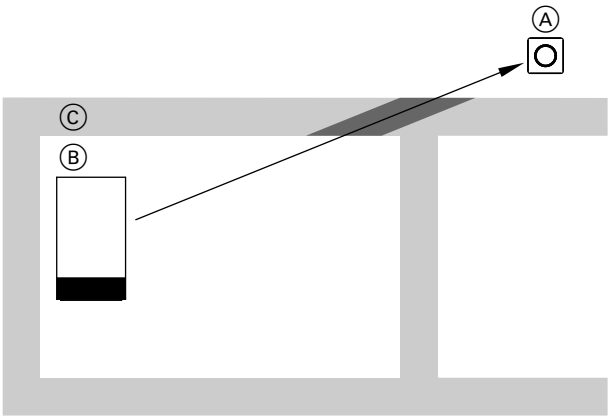

Fig. 1

Ⓐ Vitotrol 300-E
Ⓑ Heat generator
Ⓒ Wall

Ideal angle of penetration

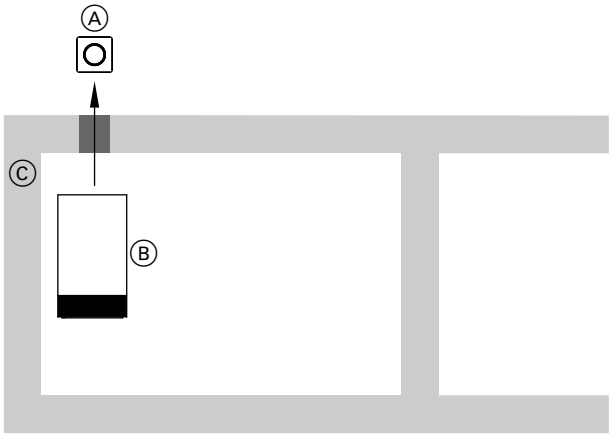

Fig. 2

Ⓐ Vitotrol 300-E
Ⓑ Heat generator
Ⓒ Wall

Overview of the installation and commissioning process

Steps		Responsibility	Page
Installation			
1	Check system requirements.	Contractor IT expert	7
2	Fit the mounting base for the Vitotrol 300-E.	Contractor System user	15
3	Power supply via plug-in power supply unit	Contractor System user	15
	Power supply via plug-in power supply unit for flush mounting	Contractor	16
4	Insert the Vitotrol 300-E in the mounting base.	Contractor System user	18
Commissioning			
5	Commission the remote control.	Contractor System user	19

Fitting the mounting base

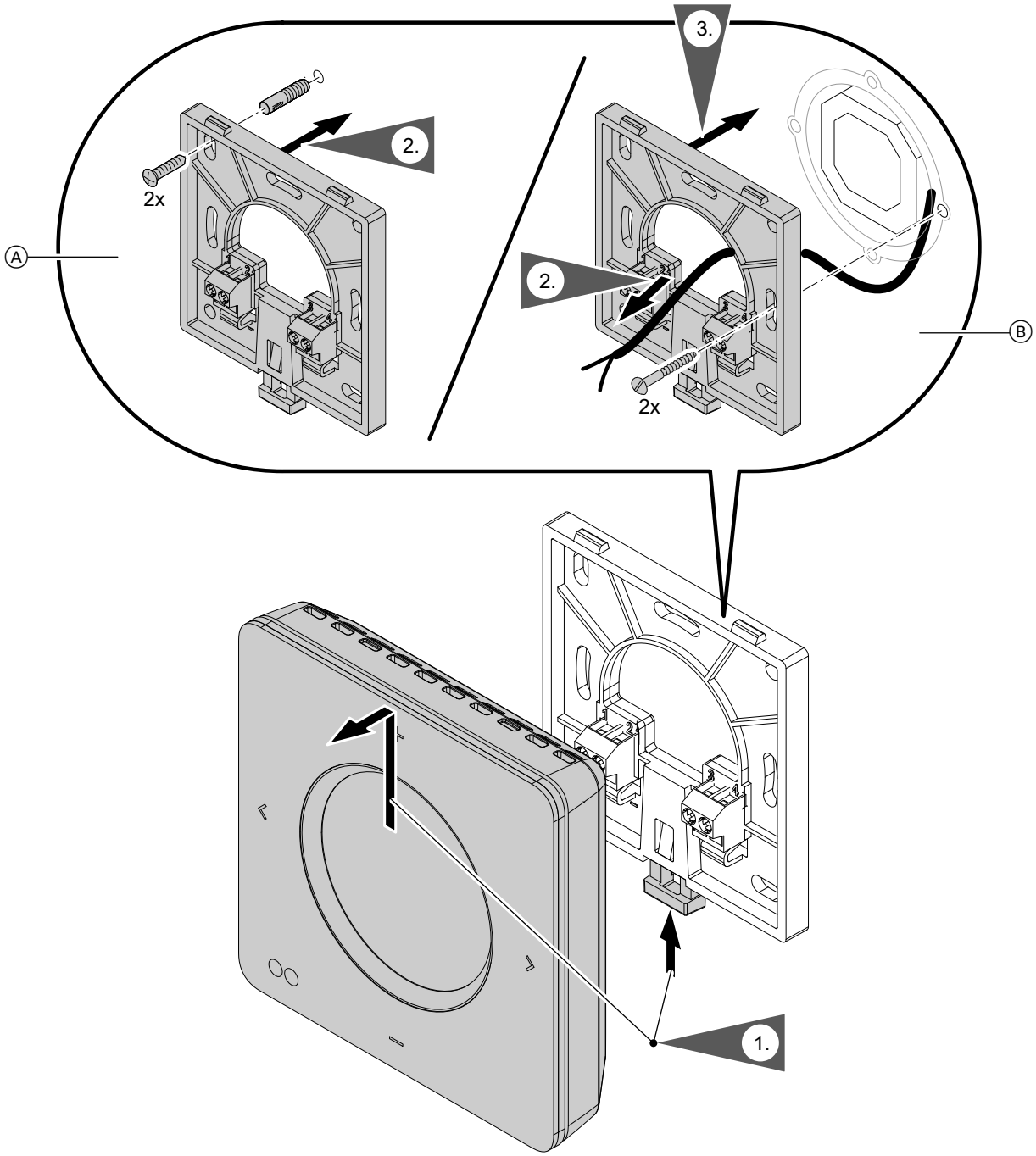

Fig. 3

Ⓐ Wall mounting: For power supply via plug-in power supply unit
Ⓑ Mounting on flush box: For power supply via power supply unit for flush mounting

Power supply via plug-in power supply unit

The socket for the plug-in power supply unit must be near the device and freely accessible. On-site fuse protection for the socket: Max. 16 A (US, CA: Max. 20 A).

Power supply via plug-in power supply unit (cont.)

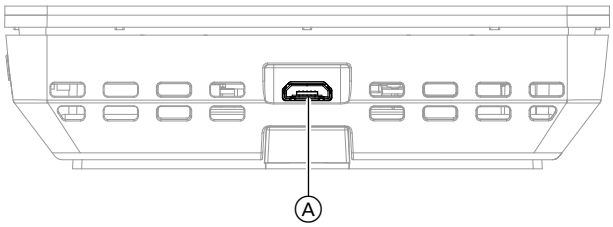

Fig. 4

1. Insert the micro USB of the plug-in power supply unit into connection Ⓐ of the Vitotrol 300-E.
2. Plug the plug-in power supply unit for the Vitotrol 300-E into the socket.

Power supply via plug-in power supply unit for flush mounting (accessories)

Isolators for non-earthed conductors

- Install an isolator in the power cable to provide omnipolar separation from the mains for all active conductors, corresponding to overvoltage category III (3 mm) for full isolation. The isolator must be fitted in the permanent electrical installation, in line with installation requirements.
- We additionally recommend installing an AC/DC-sensitive RCD, type B ⏦⎓, for DC (fault) currents that can occur with energy efficient equipment.

⚠ **Danger**
Incorrect electrical installations can lead to serious injury from electrical current and result in appliance damage.

Connect the power supply and implement all safety measures (e.g. RCD circuit) in accordance with the following regulations:

- IEC 60364-4-41
- VDE regulations
- TAR medium voltage VDE-AR-N-4110

⚠ **Danger**
Incorrect core assignment can lead to serious injury from electrical current and result in appliance damage.
Never interchange cores "L" and "N".

⚠ **Danger**
Incorrect wiring can lead to serious injury from electrical current and result in appliance damage.
Take the following measures to prevent wires drifting into the adjacent voltage area:

- Route extra low voltage (ELV) leads < 42 V separately from cables > 42 V/230 V~/400 V~ and secure with cable ties.
- Only strip the minimum of insulation from cables as close as possible to the terminals and bundle tightly to the corresponding terminals.

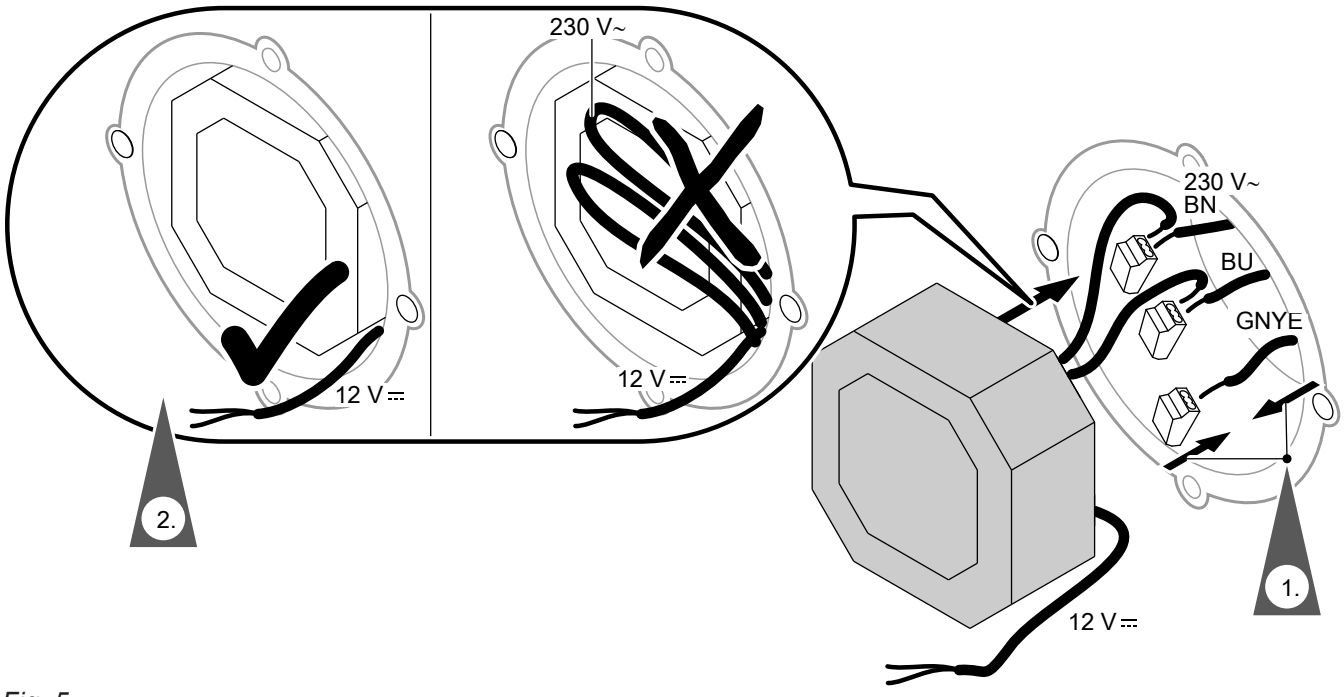

Fig. 5

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Power supply via plug-in power supply unit for… (cont.)

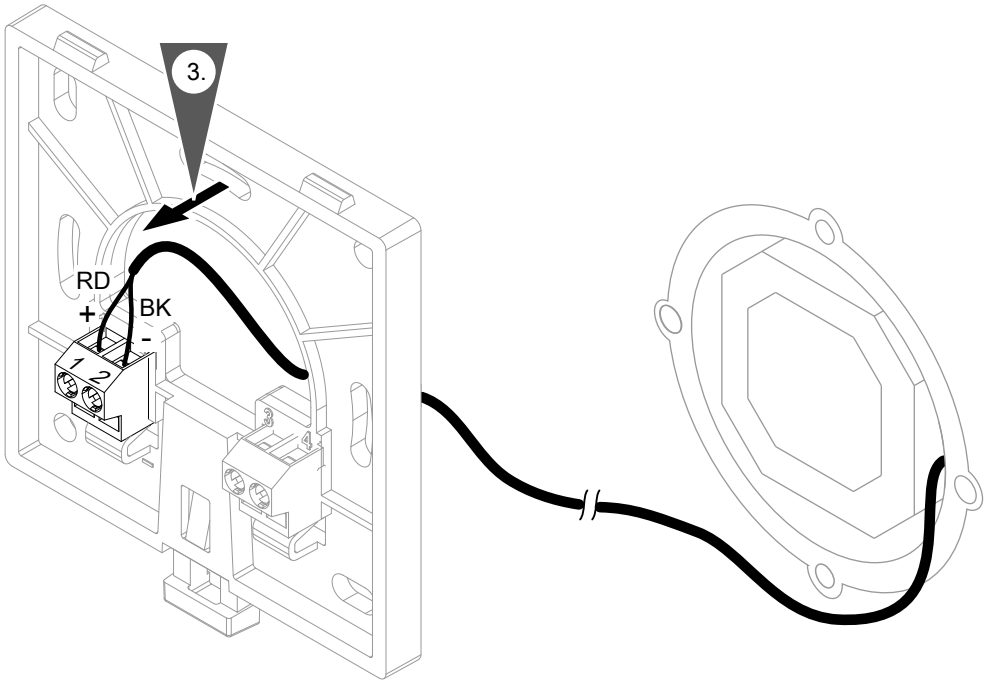

Fig. 6

! **Please note**
Wrong or faulty core assignment can damage the Vitotrol 300-E.
Never interchange the red and black cores.

Colour coding to IEC 60757
BN Brown (L)
BK Black
BU Blue (N)
GNYE Green/yellow (PE)
RD Red

Inserting the Vitotrol 300-E in the mounting base

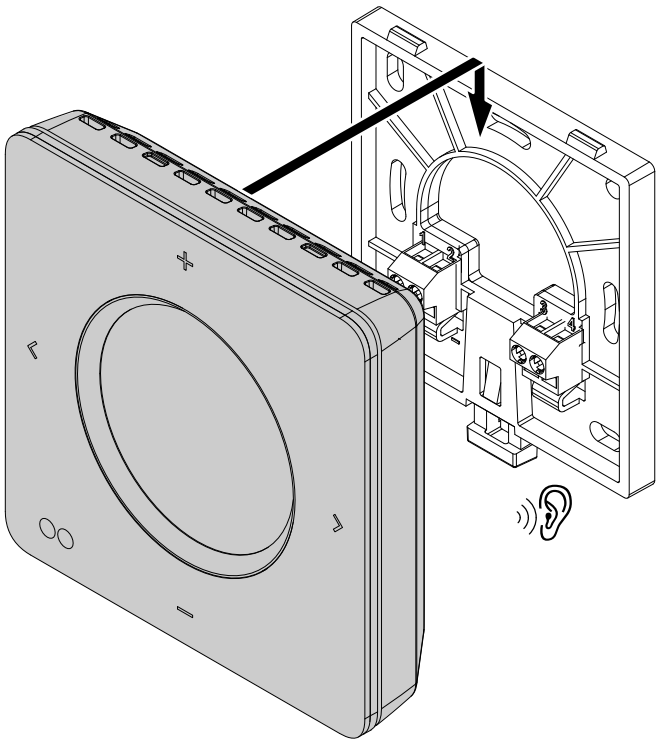

Fig. 7

Commissioning the remote control

Activating the wireless connection to the remote control

Activate "Low Power Radio Status" at your heat generator control unit to connect your heat generator with the Vitotrol 300-E.

Tap the following buttons on the control unit of your heat generator:

1. ☰
2. ⚙ **"Settings"**
3. **"Low Power Radio Status ON/OFF"**
4. **"On"**
5. ✓ to confirm

Updating the software

If the "Low power radio ON/OFF" menu is not available, run a software update:

1. Install the "ViCare" app from the App Store or Google Play Store on your mobile device.
2. Follow the instructions in the app to register.
3. The software update is carried out automatically via the WiFi connection to the heat generator and can take several minutes.

We recommend keeping your heat generator permanently connected to the internet, so that you always have the latest software functionalities available on your Vitotrol 300-E.

Connecting the power supply

1. Connect the micro USB of the plug-in power supply unit with the Vitotrol 300-E: See page 15.
   Or
   Contact your contractor to connect the power supply via a power supply unit for flush mounting.
2. Use + − to select the required language.
3. Tap › to confirm.
4. Follow the instructions on the Vitotrol 300-E display. Confirm the information shown.

Note
After commissioning has been successfully completed and if the WiFi of the heat generator is active, the WiFi connection data of the heat generator is transmitted to the Vitotrol via low power radio. The Vitotrol uses the WiFi connection data of the heat generator for connecting to the Viessmann server.

Assigning the remote control to the heating circuits

You can operate up to 4 heating circuits with your Vitotrol 300-E. Your contractor will assign the Vitotrol to the required heating circuits at your heat generator control unit. The settings at the heat generator control unit are transferred to the Vitotrol 300-E during commissioning.

Using the remote control

The Vitotrol 300-E remote control enables you to adjust the following settings from the living space:
- Room temperatures
- Switching heating circuits on and off
- Time program heating
- DHW heating:
  - DHW temperature
  - Switching on and off
  - Time program
  - Once-only DHW heating
- Operating programs:
  - Holiday program
  - Holiday at home
  - Heating circuit: Activate/deactivate extended heating

All settings are transmitted from the Vitotrol 300-E to the control unit and vice-versa. It is always the **most recent** settings that apply.

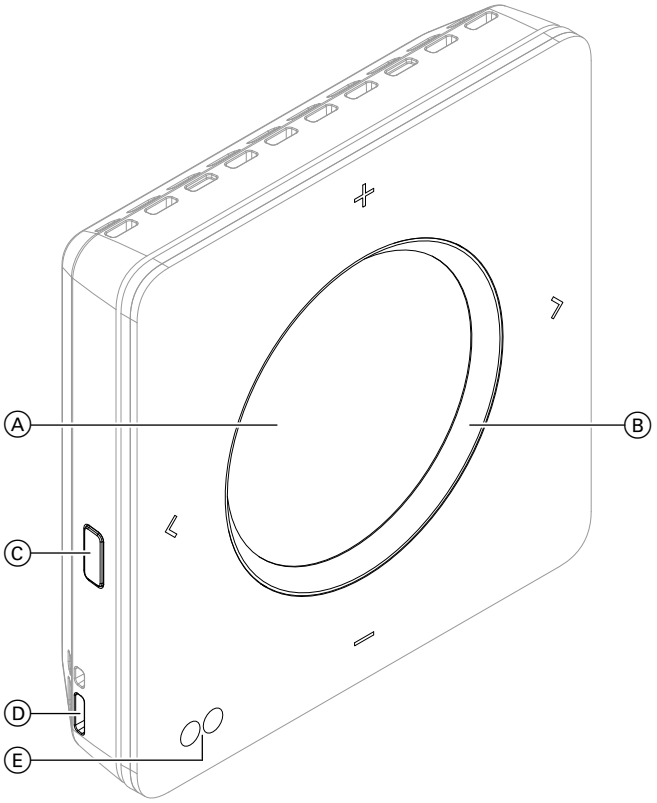

Fig. 8

Ⓐ Display
Ⓑ Illuminated ring ("Lightguide")
Ⓒ "Settings" menu operating button
Ⓓ Room temperature and humidity sensor
Ⓔ Proximity and brightness sensor

‹ ›
- To scroll through the display.
- To confirm your selection.
- Terminates an adjustment in progress.

\+ −
- To adjust values.
- To confirm your selection.
- Terminates an adjustment in progress.

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Using the remote control (cont.)

Note
- ***Never** seal off the opening for room temperature and humidity sensor Ⓓ.*
- *If no settings are adjusted at the remote control for at least 1 minute, the display backlighting switches off (standby): See page 22.*

Symbols on the display

These symbols are not always displayed, but appear subject to the system version and the operating state.

Displays in "Climate info" (home screen)
- Current outside temperature
- Humidity in the room
- Current room temperature

Signal strength
- Symbol colour:
  - Red: WiFi
  - Blue: Low Power Radio Status

Temperatures
- **"Reduced"** Central heating with reduced room temperature
- **"Normal"** Central heating to standard room temperature
- **"Comfort"** Central heating to comfort room temperature
- DHW temperatures **"Set"** and **"Actual"**

Energy saving and comfort functions
- **"Holiday program"**
- **"Holiday at home"**
- **"Once-only DHW heating"**
  Symbol colour:
  - Red: Once-only DHW heating is active.
  - Grey: Once-only DHW heating is inactive.

Further operating programs
- Frost protection is enabled.
- Standby mode
- Standby mode via outside temperature

Messages
- Error

Meaning of colours in display Ⓐ and illuminated ring Ⓑ

During operation, settings adjustment and in the event of messages, display Ⓐ and "Lightguide" illuminated ring Ⓑ glow in different colours: See the following table.

Colour		**Meaning**
Display Ⓐ	**"Lightguide" illuminated ring Ⓑ**	
White	Blue	Your rooms are heated to the reduced room temperature **"Reduced"** in accordance with the time program: See page 26.
White	Pale yellow	Your rooms are heated to the standard room temperature **"Normal"** in accordance with the time program: See page 26.
White	Orange	Your rooms are heated to the comfort room temperature **"Comfort"** in accordance with the time program: See page 26.
White	Green	Information is being displayed, e.g. **"Domestic Hot Water heating is on"**.
Blue	Blue	You are in the menu for adjusting the reduced room temperature setting at the **"Reduced"** temperature level: See page 26.
Pale yellow	Pale yellow	You are in the menu for adjusting the standard room temperature setting at the **"Normal"** temperature level: See page 26.

Using the remote control (cont.)

Colour		Meaning
Display Ⓐ	**"Lightguide" illuminated ring Ⓑ**	
Orange	Orange	You are in the menu for adjusting the comfort room temperature setting at the **"Comfort"** temperature level: See page 26.
White	Red	An activity or message is being displayed. E.g. **"Connecting to the boiler"** or **"No connection to the boiler"**
Dark yellow	Dark yellow	A message is being displayed. You can call up further information about the message: See page 36. E.g. **"Software update not possible"**
Red	Red	The date and time are briefly shown after standby. Or Fault **"No connection to the boiler"**

Standby

If no settings are made at the remote control for at least 1 minute, the display backlighting switches off.

You have 2 options for re-activating the display backlighting:

1. Press any button.
   Or
2. Approach the proximity sensor of the remote control.

   Note
   You can adjust the sensitivity of the proximity sensor: See page 32.

After standby, the following displays may be shown:
- **"Climate info"** (home screen) is shown.
- If you have enabled the date and time display function, the date and time are shown for 3 seconds. The screen subsequently switches to **"Climate info"** (home screen).
  To enable the date and time display function: See page 33.
- A message is being displayed.
  To call up further information about the message: See page 36.

Operating programs for central heating and DHW heating

Note
The operating programs for central heating and DHW heating can be set separately.

Display	Operating program	Function
Central heating: Shown only if heating circuit selected		
Set temperature level is displayed: ▪ **"Comfort"** ▪ **"Normal"** ▪ **"Reduced"**	**"Heating"**	The rooms of the selected heating circuit are heated in accordance with the specifications for the room temperature and the time program (see chapter "Central heating").
⏻ **"Standby mode"**	**"Standby mode"**	▪ No central heating ▪ Frost protection for the heat generator is enabled.

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Operating programs for central heating and DHW… (cont.)

Display	Operating program	Function
DHW heating: Shown only if "Domestic hot water" is selected		
"Domestic hot water" with display of set and actual DHW temperatures	**"Domestic hot water" "ON"**	DHW is heated in accordance with the specifications for the DHW temperature and the time program (see chapter "DHW heating").
	"Domestic hot water" "OFF"	▪ No DHW heating ▪ Frost protection for the DHW cylinder is enabled.

Special operating programs and functions

- **Screed drying:**

  This function is activated by your contractor at the control unit of the heat generator. Your screed is dried in line with a set time program (temperature/time profile) suitable for the relevant building materials. Your settings for central heating have no effect on the duration of screed drying (max. 32 days). The system no longer provides DHW heating. The "Screed drying" function can be altered or switched off by your contractor.

  Heat generator control unit

- **External hook-up**:

  The operating program set at the control unit was changed over by an external device, e.g. an EM-EA1 extension (DIO electronics module). The operating program cannot be changed via the control unit or remote control while the external hook-up is active.

  Heat generator control unit

- **"Extended heating"**: See page 27.
- **"Holiday program"**: See page 28.
- **"Holiday at home"**: See page 27.

Procedure for setting a time program

The following explains how to enter the settings for a time program. The specifics of the individual time programs can be found in the relevant chapters.

Time programs and time phases

In the time programs, you specify what your heating system should do at what time. To do so, divide the day into sections. These are called **time phases**. Different temperature levels are enabled within and outside these time phases.

Procedure for setting a time program (cont.)

You can set up a time program for the following functions:

Function	Setting on the Viessmann device	Function	
		Within the time phase	Outside the time phase
Central heating (individually adjustable for each heating circuit)	▪ Remote control ▪ Heat generator control unit	Your rooms are heated to standard room temperature or comfort room temperature.	Your rooms are heated to reduced room temperature.
DHW heating	▪ Remote control ▪ Heat generator control unit	DHW heating is switched on. The water in the DHW cylinder is heated to the set DHW temperature.	Domestic hot water heating is switched off.
DHW circulation pump	Heat generator control unit	The DHW circulation pump is switched on.	The DHW circulation pump is switched off.

The time programs can be set **individually** to be the same, or different, for every day of the week.

Setting time phases

The procedure is explained using the example of central heating for heating circuit 1 in weather-compensated operation.

You can set up to 4 time phases in each **"Time program"**.
For each time phase, you define the start point **"Start"** and the end point **"End"**.

Example:
"Time program" for **"Monday"** for **"Heating circuit 1"**
- Time phase 1:
  06:30 to 12:00 h with standard room temperature
- Time phase 2:
  15:00 to 20:00 h with comfort room temperature

In between these time phases the system heats to a reduced temperature.

Tap the following on-screen buttons:

1. ‹ › for the required heating circuit
2. + for approx. 2 seconds.
   The menu for the heating circuit is displayed.
3. ‹› for **"Time program"**
4. + to confirm
5. + for the required day or a group of days
6. › to confirm.
   A clock face with 24-hour view is displayed.

   Meaning of the colour markings:
   Blue Intervals between the set time phases, **"Reduced"** temperature level
   Orange Set time phase with **"Normal"** temperature level
   Red Set time phase with **"Comfort"** temperature level

Changing time phase 1:

1. + to select the required time phase
2. › to confirm.
3. + for **"Change"**
4. › to confirm
5. + for temperature level **"Normal"**
6. › to confirm
7. + to set the hour for the start of the time phase.
   The colour marking on the clock face is adjusted.
8. › to confirm
9. + to set the minutes for the start of the time phase.
10. › to confirm
11. + to set the hour for the end of the time phase.
    The colour marking on the clock face is adjusted.
12. › to confirm

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Procedure for setting a time program (cont.)

13. +/− to set the minutes for the end of the time phase.
14. › to confirm

Create new time phase 2:

1. +/− for **"Add"**
2. › to confirm
3. +/− for the **"Comfort"** temperature level
4. › to confirm
5. +/− to set the hour for the start of the time phase. The colour marking on the clock face is adjusted.
6. › to confirm
7. +/− to set the minutes for the start of the time phase.
8. › to confirm
9. +/− to set the hour for the end of the time phase. The colour marking on the clock face is adjusted.
10. › to confirm
11. +/− to set the minutes for the end of the time phase.
12. › to confirm
13. ‹ to return to the menu for the heating circuit.

To continue: See page 23.

Deleting time phases

The procedure is explained using the example of central heating for heating circuit 1 in weather-compensated operation

Example:
For **Monday** you want to delete time phase 2.

Tap the following on-screen buttons:

1. ‹ › for the required heating circuit
2. +/− for approx. 2 seconds.
   The menu for the heating circuit is displayed.
3. ‹› for **"Time program"**
4. + to confirm
5. +/− for the required day or a group of days
6. › to confirm.
   A clock face with 24-hour view is displayed.
7. +/− to select time phase 2
8. › to confirm
9. +/− for **"Delete"**
10. › to confirm
11. ‹ to return to the menu for the heating circuit.

Adjusting the room temperature

You can adjust the room temperatures for 3 temperature levels:
- Reduced room temperature **"Reduced"** (blue illuminated ring):
  Heat your home to the reduced temperature at night or during regular absences (not applicable to underfloor heating).
- Standard room temperature **"Normal"** (yellow illuminated ring):
  Heat your home to the standard room temperature during the day.
- Comfort room temperature **"Comfort"** (orange illuminated ring):
  Heat your home to the comfort room temperature if you want to feel particularly cosy.

If your heating system consists of several heating circuits you can adjust the room temperatures for each heating circuit individually.

Note
You define which temperature level is active via the time program.

Changing the room temperature for the current temperature level

Tap the following on-screen buttons:

1. ‹› to select the required heating circuit.
2. — to display the current set room temperature.
3. — for the required temperature
4. › to confirm

Changing the room temperature for further temperature levels

Tap the following on-screen buttons:

1. ‹› to select the required heating circuit.
2. — for approx. 2 seconds, to display the menu for the heating circuit.
3. ‹› for **"Set room temperature"**
4. ‹ › for the required temperature level
5. + to confirm
6. — for the required temperature
7. › to confirm

Time program for central heating

Setting a time program

Factory settings: **One** time phase from 06:00 to 22:00 h for every day of the week

You can change the time program **individually** in accordance with your requirements.

Tap the following on-screen buttons:

1. ‹ › for the required heating circuit
2. — for approx. 2 seconds.
   The menu for the heating circuit is displayed.
3. ‹› for **"Time program"**
4. + to confirm
5. — for the required day or a group of days
6. › to confirm.
   A clock face with 24-hour view is displayed.

   Meaning of the colour markings:

Blue	Intervals between the set time phases, **"Reduced"** temperature level
Orange	Set time phase with **"Normal"** temperature level
Red	Set time phase with **"Comfort"** temperature level

To continue: See page 23.

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Switching central heating on or off

For information on the operating programs, see page 22.

Note
If the outside temperature exceeds the current set room temperature, central heating is automatically switched off.

Tap the following on-screen buttons:

1. ‹› for the required heating circuit
2. — for approx. 2 seconds.
   The menu for the heating circuit is displayed.
3. ‹› for **"Switch on/off"**
4. \+ to **"Switch on/off"**

Temporarily adjusting the room temperature

Switch on the **"Extended heating"** function if you want to heat your home with **standard room temperature/flow temperature** or **comfort room temperature/flow temperature** during a time phase with reduced room temperature.

Your home will be heated with the temperature of the last active time phase for standard room temperature/flow temperature or comfort room temperature/flow temperature.

Switching on "Extended heating"

Tap the following on-screen buttons:

1. ‹› for the required heating circuit
2. — for approx. 2 seconds.
   The menu for the heating circuit is displayed.
3. ‹› for **"Extended heating"**
4. \+ to **"Switch on/off"**
   The temperature of the last active time phase for standard room temperature/flow temperature or comfort room temperature/flow temperature will be selected.

Switching off "Extended heating"

The function ends automatically when switching to the next time phase for standard room temperature/flow temperature or comfort room temperature/flow temperature.

Tap the following on-screen buttons to terminate "Extended heating" early:

1. ‹› for the required heating circuit
2. — for approx. 2 seconds.
   The menu for the heating circuit is displayed.
3. ‹› for **"Extended heating"**
4. \+ to **"Switch on/off"**

Adjusting the room temperature for extended presence at home

If you are continuously at home for one or more days but do not want to change the time program, select the function **"Holiday at home"**, e.g. on public holidays or when the children are on school holidays.

The function **"Holiday at home"** has the following effect:

- The room temperature during the periods between the set time phases is raised to the set value of the first time phase of the day: From reduced room temperature to standard room temperature or comfort room temperature.
- If no time phase is active before 0:00 h, your rooms are heated to the reduced room temperature until the next time phase becomes active.

Adjusting the room temperature for extended… (cont.)

- DHW heating is active.
- The **"Holiday at home"** function starts and ends according to the set times for the start date and end date.

Note

- *As long as the **"Holiday at home"** function is switched on, the default display shows **"Holiday at home"** and the set start date and end date.*
- *The function is applied to all heating circuits.*

Example

For Monday and Tuesday, 2 time phases are set respectively.

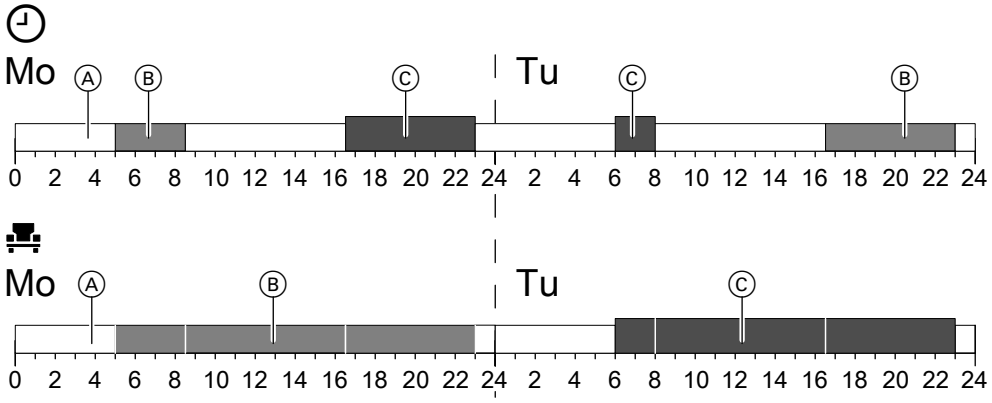

Fig. 9

- Temperature levels in line with the set time program
- Temperature level if **"Holiday at home"** is active
- Ⓐ Reduced room temperature
- Ⓑ Standard room temperature
- Ⓒ Comfort room temperature

Switching on "Holiday at home"

Tap the following on-screen buttons:

1. Operating button Ⓒ: See diagram on page 20.
2. ◇ for **"Holiday at home"**
3. \+ for **"SET"**
4. Set the start date.
5. › to confirm
6. Set the end date.
7. › to confirm

Switching off "Holiday at home"

Tap the following on-screen buttons:

1. If the standby screen is active, press any button.
   Or
   Approach the proximity sensor of the remote control.
2. — for **"CANCEL"**

Saving energy during long periods of absence

To save energy during long periods of absence, select **"Holiday program"**.

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Saving energy during long periods of absence (cont.)

The holiday program applies to **all heating circuits** and has the following effect:

- **Central heating**:
  - For heating circuits in the "Heating" operating program:
    The rooms are heated to the set reduced room temperature (**"Reduced"**).
    Heat generator operating instructions
  - For heating circuits in the "Standby mode" operating program:
    No central heating: The frost protection of the heat generator is active.
    Heat generator operating instructions
- **DHW heating**:
  No DHW heating; frost protection for the DHW cylinder is active.
  Heat generator operating instructions
- The holiday program starts on the day of departure (start date) and ends at 23:59 h on the day of return (end date). This means that the set time program is **not** active on the days of departure and return.

Note

- *The display of the Vitotrol 300-E shows **"Holiday program"** and for as long as the **"Holiday program"** is active.*
- ***"Once-only DHW heating"** can be activated while the **"Holiday program"** is enabled: See page 31.*

Activating the "Holiday program"

Tap the following on-screen buttons:

1. Operating button Ⓒ: See diagram on page 20.
2. ◇ for **"Holiday program"**
3. \+ for **"SET"**
4. Set the start date.
5. › to confirm
6. Set the end date.
7. › to confirm

Deactivating the "Holiday program"

Tap the following on-screen buttons:

1. If the standby screen is active, press any button.
   Or
   Approach the proximity sensor of the remote control.
2. — for **"CANCEL"**

Starting DHW heating

DHW is heated according to the set time program. The DHW circulation pump runs according to the time program set at the control unit of the heat generator.

Tap the following on-screen buttons:

1. ‹› for **"Domestic hot water"**
2. + for **"SET"**
3. ‹› for **"Domestic Hot Water heating ON/OFF"**
4. + for **"ON"**

If you switch off DHW heating, no water can be heated. This also applies for the function "Once-only DHW heating outside the time program".

Switching off DHW heating

Tap the following on-screen buttons:

1. ‹› for **"Domestic hot water"**
2. + for **"SET"**
3. ‹› for **"Domestic Hot Water heating ON/OFF"**
4. + for **"OFF"**

Setting the DHW temperature

Tap the following on-screen buttons:

1. ‹› for **"Domestic hot water"**
2. + for **"SET"**
3. ‹› for **"Set domestic hot water temperature"**
4. +/– for the required temperature
5. › to confirm

Note
Actual and set value for DHW temperature are shown on the Vitotrol 300-E display.

Time program for DHW heating

Setting a time program

Factory settings: 05:30 to 22:00 h

You can change the time program **individually** in accordance with your requirements.

Tap the following on-screen buttons:

1. ‹› for **"Domestic hot water"**
2. + for **"Set"**.
3. ‹› for **"Time program"**
4. + to confirm
5. +/– for the required day or a group of days
6. › to confirm.
   A clock face with 24-hour view is displayed. The orange marking shows when DHW heating is switched on. The blue marking shows when DHW heating is switched off.
7. +/– to select the time phase
8. › to confirm
9. +/– depending on the required change:
   "Change" to change the time phase
   "Add" for a new time phase
   "Delete" to delete a time phase.
10. › to confirm.

To continue: See page 23.

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Once-only DHW heating outside the time program

If you require hot water outside the set time phases, activate **"Once-only DHW heating"**.
The DHW cylinder is heated once to the set DHW temperature.

This function has a higher priority than any scheduled set functions, such as the time program for example.

Activating one-off DHW heating

Conditions:
DHW heating must be switched on: See page 30.

Heat generator operating instructions

Tap the following on-screen buttons:

1. ◇ for **"Domestic hot water"**
2. + for **"SET"**
3. ◇ for **"Once-only DHW heating"**
4. + for **"ACTIVATE"**

Terminating once-only DHW heating

Once-only DHW heating ends automatically as soon the set DHW temperature has been reached, or it can be terminated as follows.

Tap the following on-screen buttons:

1. ◇ for **"Domestic hot water"**
2. + for **"SET"**
3. ◇ for **"Once-only DHW heating"**
4. + for **"CANCEL"**

Setting or changing the "Language"

The required language is set during commissioning. You can change the language at any time.

Tap the following on-screen buttons:

1. Operating button Ⓒ: See diagram on page 20.
2. ‹› for **"Language"**
3. + for **"CHANGE"**
4. + − for the required language
5. › to confirm

Setting the display brightness

Low light levels may make the displays on the Vitotrol 300-E hard to read. This can be remedied by changing the brightness level of backlighting.

Factory setting: **100 %**

Adjusting the brightness manually

Tap the following on-screen buttons:

1. Operating button Ⓒ: See diagram on page 20.
2. ‹› for **"Display brightness"**
3. + for **"CHANGE"**
4. + − for the required brightness
5. › to confirm

Adjusting the brightness automatically

The brightness of the display backlighting is automatically adjusted to the light conditions in the room.

Tap the following on-screen buttons:

1. Operating button Ⓒ: See diagram on page 20.
2. ‹› for **"Display brightness"**
3. + for **"CHANGE"**
4. + − for **"AUTO"**
5. › to confirm

Proximity sensor sensitivity

The proximity sensor activates the display backlighting when you approach the Vitotrol 300-E. The sensitivity of the sensor can be adjusted. If you increase the sensitivity, the display backlighting is activated at an earlier stage of your approach.

Factory setting: **"Medium"**

Adjusting the sensitivity of the proximity sensor

Tap the following on-screen buttons:

1. Operating button Ⓒ: See diagram on page 20.
2. ‹› for **"Sensor sensitivity"**
3. + for **"CHANGE"**
4. + − for the required sensitivity
5. › to confirm

Deactivating the proximity sensor

Tap the following on-screen buttons:

1. Operating button Ⓒ: See diagram on page 20.
2. ‹› for **"Sensor sensitivity"**
3. + for **"CHANGE"**

Proximity sensor sensitivity (cont.)

4. + − for **"Off"**
5. › to confirm
   The proximity sensor is deactivated. The display backlighting is now only activated when a button is pressed.

Software update

The software is automatically updated, provided the WiFi on the heat generator is enabled and a software update is available.
The updating process is indicated on the display of the Vitotrol 300-E and can take up to 10 minutes.
The Vitotrol 300-E restarts once the update has been completed successfully.

Note
We recommend keeping the Vitotrol 300-E updated to the latest available version at all times.

Activating automatic software updates

Tap the following on-screen buttons:

1. Operating button Ⓒ: See diagram on page 20.
2. ‹› for **"Software update"**
3. + for **"CHANGE"**
4. + − for **"On"**
5. › to confirm

Deactivating automatic software updates

Tap the following on-screen buttons:

1. Operating button Ⓒ: See diagram on page 20.
2. ‹› for **"Software update"**
3. + for **"CHANGE"**
4. + − for **"Off"**
5. › to confirm

Displaying the date and time

When exiting the standby screen you can have the date and time displayed for 3 seconds. The screen subsequently switches to **"Climate info"** (home screen).

Activating the date and time display function

Tap the following on-screen buttons:

1. Operating button Ⓒ: See diagram on page 20.
2. ‹› for **"Show time after switching on"**
3. + for **"CHANGE"**
4. + − for **"On"**
5. › to confirm

Deactivating the date and time display function

Tap the following on-screen buttons:

1. Operating button Ⓒ: See diagram on page 20.
2. ‹› for **"Show time after switching on"**
3. + for **"CHANGE"**
4. + − for **"Off"**
5. › to confirm

Restoring factory settings

Restore the factory settings of your remote control, for example if the remote control has already been commissioned with a different heat generator.
All settings changed by you are restored to the delivered condition.

Note
Your contractor has to update the settings for the remote control on the control unit of your heat generator too.

Tap the following on-screen buttons:

1. Operating button ⓒ: See diagram on page 20.
2. ◇ for **"Factory reset"**
3. + for **"RUN"**
4. + to confirm the prompt.
   The Vitotrol 300-E is restored to the factory settings and then restarted.
5. Re-commission your remote control: See page 19.

Checking room temperatures and humidity

On the **"Climate info"** home screen you can check the following information for the room in which the Vitotrol is installed:

- Current outside temperature
- Humidity in the room
- Current room temperature

Use ‹ › to check the currently set room temperature and current temperature level in your heating circuits.

Checking the energy consumption

The **"Energy cockpit"** menu enables you to check the following energy consumption data:

- Gas consumption in m^3 (shown in blue) and in kWh (shown in yellow) respectively
  Gas consumption for central heating: **"Gas consumption for heating"**
  Gas consumption for DHW heating: **"Gas consumption DHW"**
- **"Electricity consumption"** in kWh

The energy consumption is shown in the form of a bar chart for the current and previous month respectively.

Displaying the "Energy cockpit"

Tap the following on-screen buttons:

1. Operating button ⓒ: See diagram on page 20.
2. ‹› for **"Energy cockpit"**
3. + for **"SHOW"**
4. ‹ › to check the required energy consumption data.

Calling up device information

In the "Device info" menu you can call up the following information for the Vitotrol 300-E:

Shown on display	Explanations
"S/N"	Serial number
"Software version"	
"WiFi Status"	WiFi signal strength
"WLAN Addresses"	
"Low Power Radio Status"	Signal strength of low power radio
"Credentials"	Access data for internet access
"Access Point Status"	Status of access point (**"On"**/**"Off"**)
"PSK"	WiFi password
"SSID"	WiFi name

Displaying the "Device info"

Tap the following on-screen buttons:

1. Operating button ⓒ: See diagram on page 20.
2. ‹› for **"Device info"**
3. + for **"SHOW"**
4. ‹ › to call up the required information.

Calling up licences

Connect your smartphone or your PC to the Vitotrol 300-E to call up legal information, e.g. open source licences.

Calling up open source licences

To access this information, first note down the WiFi password **"PSK"**: See previous chapter "Calling up device information".

Tap the following on-screen buttons:

1. Operating button ⓒ: See diagram on page 20.
2. ◇ for **"Legal information"**
3. \+ for **"SHOW"**
4. Call up the WiFi settings of your smartphone or PC.
5. Connect your smartphone or PC to the WiFi **"VITOTROL300E-<xxxx>"**.
   You will be asked to enter a password.
6. Input the WiFi password (**"PSK"**).
7. With your connected mobile device, open **http://169.254.11.1** in your internet browser.
8. Select **"View Open Source Components Licenses"** or **"View Licenses texts"**.

Note
Access to legal information is automatically deactivated after 60 minutes.

Scanning messages

If messages have arisen on your heating system or your remote control, the ⚠ symbol is shown on the display.
Depending on the type of message, the display and the illuminated ring glow dark yellow or red.
In addition, the message is displayed in plain text. In the event of a fault message, the fault code is shown, e.g. "F160".

1. \+ for **"SHOW"**.
   You are provided with further information about the message displayed.
2. ◇ to scroll through the list of messages and call up further messages.

Further information regarding messages
See chapter "What to do if..."

Calling up the message list

Tap the following on-screen buttons:

1. Operating button ⓒ: See diagram on page 20.
2. ◇ for **"Errors list"**
3. \+ for **"SHOW"**
4. ◇ to scroll through the list of messages.
5. — to select **"BACK"** and exit the message list.

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Faults without fault display

All displays on the Vitotrol 300-E are off.

Cause	Remedy
The power supply to the Vitotrol 300-E has been interrupted.	Check the power supply and the plug-in power supply unit of the Vitotrol 300-E.

No connection to the boiler

"No connection to the boiler"

Cause	Remedy
The wireless connection to the heat generator has been interrupted. E.g. due to reduced signal strength of the "low power radio".	▪ Check whether your heat generator is switched on. ▪ Check whether the "low power radio" on your heat generator is activated. Heat generator operating instructions ▪ Check the signal strength of the "low power radio" in the **"Device info"** menu of your Vitotrol 300-E: See page 35. ▪ If required, move the Vitotrol 300-E to a different installation location: See page 12. ▪ Restart the Vitotrol 300-E: See page 40. ▪ Switch your heat generator off and on again. Heat generator operating instructions ▪ Return your Vitotrol 300-E to the factory settings: See page 34. Repeat the commissioning process: See page 19.

"Connection error"

Cause	Remedy
The connection to the heat generator could not be established during commissioning.	▪ Check the access codes during commissioning: See page 35. ▪ Check whether your heat generator is switched on. ▪ Check whether the "low power radio" on your heat generator is activated. Heat generator operating instructions ▪ Check the signal strength of the "low power radio" in the **"Device info"** menu of your Vitotrol 300-E: See page 35. ▪ If required, move the Vitotrol 300-E to a different installation location: See page 12. ▪ Restart the Vitotrol 300-E: See page 40. ▪ Return your Vitotrol 300-E to the factory settings: See page 34. Repeat the commissioning process: See page 19.

Internet connection is interrupted

"No connection to internet"

Cause	Remedy
No WiFi connection	▪ Check the network settings during WiFi commissioning. ▪ Check whether your heat generator is connected to the WiFi.
WiFi signal strength insufficient	▪ Check the WiFi signal strength in the **"Device info"** menu of your Vitotrol 300-E: See page 35. ▪ If required, move the Vitotrol 300-E to a different installation location: See page 12. ▪ Use a WiFi repeater if necessary.
WiFi connection established but no internet connection.	▪ Check the internet connection with other subscribers, e.g. a laptop. If no internet connection is possible even with another subscriber, have the network settings checked by an IT expert. ▪ Restart the Vitotrol 300-E: See page 40.
The Vitotrol 300-E and the heat generator are in different networks.	Check the network settings during WiFi commissioning.
The WiFi on the heat generator is deactivated.	Activate the WiFi on the control unit of your heat generator. Heat generator operating instructions

The connection to the Viessmann server is interrupted

"No connection to router"

Cause	Remedy
No WiFi connection	▪ Check the network settings during WiFi commissioning. ▪ Check whether your heat generator is connected to the WiFi.
WiFi signal strength insufficient	▪ Check the WiFi signal strength in the **"Device info"** menu of your Vitotrol 300-E: See page 35. ▪ If required, move the Vitotrol 300-E to a different installation location: See page 12. ▪ Use a WiFi repeater if necessary.
The WiFi router was replaced.	Connect your heat generator to the new WiFi router. Heat generator operating instructions

Software update has failed

"Software update error"

Cause	Remedy
No WiFi connection	▪ Check the network settings during WiFi commissioning. ▪ Check whether your heat generator is connected to the WiFi.
WiFi signal strength insufficient	▪ Check the WiFi signal strength in the **"Device info"** menu of your Vitotrol 300-E: See page 35. ▪ If required, move the Vitotrol 300-E to a different installation location: See page 12. ▪ Use a WiFi repeater if necessary.
WiFi connection established but no internet connection.	▪ Check the internet connection with other subscribers, e.g. a laptop. If no internet connection is possible even with another subscriber, have the network settings checked by an IT expert. ▪ Restart the Vitotrol 300-E: See page 40.

"Standby mode" is displayed

"Standby mode"

Cause	Remedy
The heat generator is in standby mode. The system no longer provides central heating.	☼ No action required. The heat generator automatically switches to standby mode as soon as the outside temperature is above the set room temperature (only with weather-compensated control units). ⏻ The operating program "standby mode" is set at the control unit of the heat source. Select a different operating program to terminate standby mode. **Changing the operating program** Heat generator operating instructions

"No heating circuits assigned to this Vitotrol 300-E" is shown

"No heating circuits assigned to this Vitotrol 300-E."

Cause	Remedy
The Vitotrol 300-E was not assigned to any heating circuit during commissioning of the heat generator.	Consult your contractor.

Faults on the heat generator

In the event of a fault at the heat generator, a fault code e.g. "F160" is additionally displayed.
Find out about any possible troubleshooting measures at the control unit of your heat generator and notify your heating contractor.

Heat generator operating instructions

Cause of fault could not be found

Some settings can not be adjusted at the remote control.

Cause of fault could not be found (cont.)

Find out about any possible troubleshooting measures at the control unit of your heat generator and notify your heating contractor.

Heat generator operating instructions

Restarting the Vitotrol 300-E

Power supply via plug-in power supply unit

1. Remove the plug-in power supply unit of the Vitotrol 300-E from the socket.
2. Reinsert the plug-in power supply unit of the Vitotrol 300-E into the socket.

Power supply via plug-in power supply unit for flush mounting

1. Remove the Vitotrol 300-E from the mounting base: See page 15.
2. Reinsert the Vitotrol 300-E back into the mounting base: See page 18.

Service

The Vitotrol 300-E is maintenance-free.

Cleaning

You can clean the surfaces of the device with a microfibre cloth. Never use cleaning agents.

Specification

Vitotrol 300-E	
Rated voltage	▪ Plug-in power supply unit: 5 V⎓ ▪ Power supply unit for flush mounting: 12 V⎓
Rated current	▪ Plug-in power supply unit: 0.8 A ▪ Power supply unit for flush mounting: 0.33 A
Internet protocol	IPv4
IP assignment	DHCP
Power consumption	4 W
Protection class	III
IP rating	IP 20D to EN 60529, ensure through design/installation.
WiFi	
WiFi frequency	2.4 GHz
WiFi encryption	Unencrypted or WPA2
Frequency band	2400.0 to 2483.5 MHz
Max. transmitting power	0.1 W (e.i.r.p.)
Low Power Radio Status	
Radio frequency	2.4 GHz
Encryption	Encrypted
Wireless range through walls	Up to 14 m (depending on wall thickness and wall type)
Permissible ambient temperature	
▪ Operation	+5 to +40 °C Installation in living spaces or boiler rooms (standard ambient conditions)
▪ Storage and transport	–20 to +60 °C

Plug-in power supply unit	
Rated voltage	100 to 240 V~
Rated frequency	50/60 Hz
Output voltage	5 V⎓
Output current	2 A
Protection class	II
Permissible ambient temperature	
▪ Operation	5 to +40 °C Installation in living spaces or boiler rooms (standard ambient conditions)
▪ Storage and transport	–20 to +60 °C

Terminology

Standby mode

Heat generation for the selected heating circuit is switched off.

Only frost protection for the boiler and the DHW cylinder is active. No central heating, no DHW heating

Setback mode (reduced heating mode)

See "Reduced heating mode".

Access point mode

If the access point mode of the remote control is enabled, you can establish wireless connections between end devices (smartphones and laptops etc.) and the local network of the remote control.

You can then call up information, such as open source licenses for example, via the internet browser of the end device.

Operating program

You define the following with the operating program:
- How you heat your rooms
- Whether you heat DHW
- Whether only frost protection for the heat generator and DHW cylinder is active

Operating status

For each operating program, the temperature levels for e.g. central heating are specified via the operating status.

For example, in the **"Heating"** operating program, the operating status changes from "Standard heating mode" or "Comfort heating mode" to the "Reduced heating mode" operating status and vice versa. The times for the operating status changeover are defined when the time program is set at the control unit of the heat generator.

Screed drying

Your contractor can activate this function for screed drying, for example in your new build or extension. This means your screed is dried in line with a fixed time program (temperature/time profile) that is appropriate for the building materials used.

Screed drying affects all heating circuits:
- All rooms are heated according to the temperature/time profile.
  Your settings for central heating have no effect on the duration of screed drying (max. 32 days).
- DHW heating is enabled.

Underfloor heating system

Underfloor heating systems are slow low temperature heating systems and respond only very slowly to short term temperature changes.

Heating with reduced room temperature at night therefore does not result in any significant energy savings.

Heating mode

Standard heating mode or comfort heating mode

For periods when you will be at home during the day, heat your rooms to the standard room temperature or comfort room temperature.

Terminology (cont.)

Reduced heating mode

For periods when you will be absent or during the night, heat your rooms to the reduced room temperature. With underfloor heating systems, reduced heating mode only yields limited energy savings (see "Underfloor heating system").

Weather-compensated heating mode

In weather-compensated mode, the flow temperature is controlled according to the outside temperature. More heat is made available at a lower outside temperature than at a higher one.
The outside temperature is captured and transmitted to the control unit by a sensor. The sensor is fitted to the exterior of the building.

Heating circuit

A heating circuit is a sealed unvented circuit connecting the heat generator and the radiators, in which the heating water circulates.

There may be several heating circuits combined in one system. For example, one heating circuit for the rooms occupied by you and one heating circuit for the rooms of a separate apartment.

Heating circuit pump

Circulation pump for circulating the heating water in the heating circuit

Licences

See "Access point mode"

Mixer

Hot heating water from the heat generator is mixed with cooled heating water from the heating circuit. The heating water, thus brought to the required temperature, is pumped to the heating circuit by the heating circuit pump. The control unit adjusts the flow temperature via the mixer to suit different conditions, e.g. changing outside temperatures.

Night setback

See "Reduced heating mode"

Open flue operation

The combustion air is drawn from the room where the heat generator is installed.

Room sealed operation

The combustion air is drawn from outside the building.

Terminology (cont.)

Room temperature

- Standard room temperature or comfort room temperature:
  Set the standard room temperature or comfort room temperature for periods when you are at home during the day.
- Reduced room temperature:
  For periods when you will be absent or during the night, set the reduced room temperature: See "Setting the room temperature".

Room temperature hook-up

Room temperature hook-up automatically evens out temperature fluctuations.

Set temperature

Specific temperature that should be reached, e.g. set DHW temperature.

Weather-compensated heating mode

See "Heating mode".

Time program

In the time programs, you specify what your system should do at what time.

Final decommissioning and disposal of the heating system

Viessmann products can be recycled. Components and fluids from your heating system do not belong in ordinary domestic waste.
Contact your heating contractor regarding correct disposal of your old system.

DE: Operating fluids (e.g. heat transfer medium) can be disposed of at municipal collection points.
AT: Operating fluids (e.g. heat transfer medium) can be disposed of at municipal collection points (ASZ).

Certification

RoHS
compliant
2011 / 65 / EU

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Viessmann Werke GmbH & Co. KG
D-35107 Allendorf
Telephone: +49 6452 70-0
Fax: +49 6452 70-2780
www.viessmann.com

Viessmann Limited
Hortonwood 30, Telford
Shropshire, TF1 7YP, GB
Telephone: +44 1952 675000
Fax: +44 1952 675040
E-mail: info-uk@viessmann.com

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