Operating instructions

for the system user

Vitotrol 300-E

Wireless remote control for up to four heating or cooling circuits and one ventilation unit

VITOTROL 300-E

6248254 GB 6/2025

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 that must be carried out by contractors.
This appliance can also be operated by children aged 8 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 supervised or have been instructed in the safe use of this appliance as well as in any risks arising from it.

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

Installation and setup

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

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Safety instructions (cont.)

Operation of the system

- Only ever operate appliances in dry, frost-free indoor rooms (not bathrooms).
- Do not operate appliances in rooms where there is a risk of explosion.
- Protect appliances from:
  - Moisture
  - Dust
  - Liquids
  - Vapours
  - Direct sunlight
  - 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, spare and wearing parts

For replacements, use only original parts from the manufacturer or spare parts approved by the manufacturer.

⚠ **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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Index (cont.)

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.

Reliable remote control operation:
- The Viessmann appliance **and** remote control must be connected via low power radio.
- The remote control must be assigned to at least one heating circuit, cooling circuit, heating/cooling circuit or ventilation unit (set by the contractor on the Viessmann appliance).
- Commissioning has been carried out.
- The remote control's full range of functions is only available if the software is up to date.
  Messages for software updates are displayed in the ViCare app. To perform a software update, the access point mode of the remote control must be enabled and the mobile device with the message must be connected to the local network of the remote control.

Settings for WiFi and low power radio on the Viessmann appliance:
Operating instructions for the Viessmann appliance

For commissioning the remote control, use the Viessmann ViGuide app or ViCare app.
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 remote control, 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.

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 personal injury
	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 Viessmann appliances (heat and power generators and ventilation units) that are supported for this purpose. A maximum of 4 Vitotrol 300-E can be configured for each Viessmann system – 1 Vitotrol 300-E per heating/cooling circuit.
The Vitotrol 300-E must be used only with Viessmann appliances on which the control units are configured for a "detached house". If the control unit is configured for an "Apartment building", the Vitotrol 300-E must **not** be used.
The Vitotrol 300-E **cannot** be operated in conjunction with a Vitotrol 200-E.

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.
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 unit for Viessmann appliances (heat and power generators and ventilation units) and is connected to the Viessmann appliance via "low power radio".
With the Vitotrol 300-E, up to four heating or cooling circuits and one ventilation unit can be operated. In weather-compensated mode, the Vitotrol 300-E can be used to influence the room temperature for a heating/cooling circuit. The Vitotrol 300-E can be used to set room temperatures and operating programs, or check fault messages.

Note
A maximum of 4 Vitotrol 300-E can be configured for each Viessmann system – one Vitotrol 300-E for each heating/cooling circuit.

Overview of functions possible, depending on the Viessmann appliance

Possible functions	**Connected Viessmann appliance, e.g. heat generator**			
	Vitocal	**Vitodens**	**Vitovalor**	**Vitoair**
Operating heating circuits	X	X	X	—
Operating cooling circuits	X	—	—	—
Operating heating/cooling circuits	X	—	—	—
Operating ventilation unit	—	—	—	X

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**

Product information (cont.)

Maintenance parts and spare parts

Maintenance parts and spare parts can be identified and ordered directly online.

Viessmann Partnershop

Login:
shop.viessmann-climatesolutions.com

Viessmann spare part app

Web application

https://viparts.viessmann.com

ViParts app

Download on the App Store

GET IT ON Google Play

Fig. 1

Commissioning

Viessmann appliance

Commissioning and adjusting the Viessmann appliance (e.g. heat generator) to the local conditions and building characteristics is carried out by your contractor. The contractor also provides instructions on how to operate the system.

The settings on the Viessmann appliance are transferred to the remote control during commissioning.

Remote control

Commissioning the remote control: See page 20.

Your system has been preset

The Viessmann appliance is preset at the factory.

Operating instructions for the Viessmann appliance

The functions and displays on your remote control unit will depend on the Viessmann appliance that is connected, its settings and the equipment of the system as a whole.

Your system has been preset (cont.)

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 32.
- 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 room heating.
- To switch off functions that are not required (e.g. central heating in summer), select the "Only DHW" and "Standby mode" operating programs.
  Operating instructions for the Viessmann appliance
- If you are going away, set the **"Holiday program"** : See page 35.
  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. This setting can only be made on the Viessmann appliance.
  Operating instructions for the Viessmann appliance

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 32.
- Set the time program for your heating/cooling circuits or ventilation such that your individual preferred temperature is achieved automatically when you are present.
- If you need a higher room temperature for a short time, select the **"Extend time phase"** function: See page 34.
  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 34.
- Set the **"Heating time"** function so that the required room temperature is reached at the start of a time phase (± 15 minutes): See page 47.

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 37.
  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. This setting can only be made on the Viessmann appliance.
  Operating instructions for the Viessmann appliance
- 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 38.

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.
- Do not close off the ventilation apertures of the remote control.
- 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
- Sufficient signal (low power radio):
  To ensure a good wireless connection, keep the distance between the remote control and the Viessmann appliance as short as possible.
  Check the reception quality at the intended installation site: See the following chapter.

Note
When selecting the installation location, note the length of the connecting cable for the plug-in power supply unit included: 1.5 m.

Checking the reception quality at the installation location

In order to check the reception quality at the intended installation location, first start the remote control: See page 20.

Tap the following on-screen buttons:

1. Operating button ⓒ: See diagram on page 23.
2. ‹› for **"Device info"**
3. \+ for **"SHOW"**
4. ‹› to check the signal strength for **"Low power radio"**.

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 remote control to establish a connection to the Viessmann appliance. 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

Wireless signal range

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

Wireless repeater

To extend the range of the wireless signal, the following wireless repeaters can be used.

Installation location (cont.)

Recommended wireless repeaters
- Viessmann ViCare repeater for surface mounting, Part no. ZK05390
- Ubisys repeater, part no. ZK05462

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

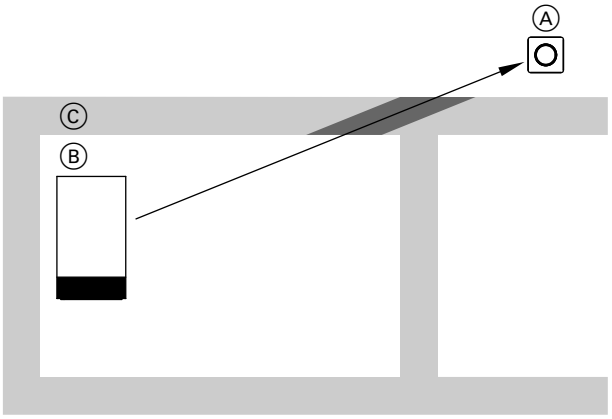

Fig. 2

Ⓐ Remote control
Ⓑ Viessmann appliance
Example illustrated: Heat generator
Ⓒ Wall

Ideal angle of penetration

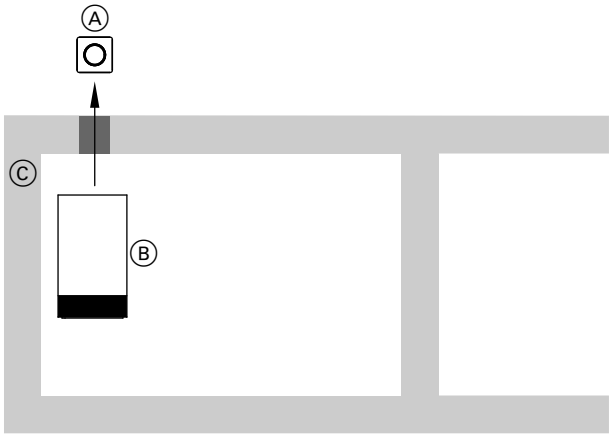

Fig. 3

Ⓐ Remote control
Ⓑ Viessmann appliance
Example illustrated: Heat generator
Ⓒ Wall

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Overview of the installation and commissioning process

Steps		Responsibility	Page
Installation			
1	Check system requirements.	Contractor IT expert	8
2	Install the mounting base for the remote control.	Contractor System user	16
3	Power supply via plug-in power supply unit	Contractor System user	16
	Power supply via plug-in power supply unit for flush mounting	Contractor	17
4	Insert the remote control into the mounting base.	Contractor System user	19
Commissioning			
5	Commission the remote control.	Contractor System user	20

Fitting the mounting base

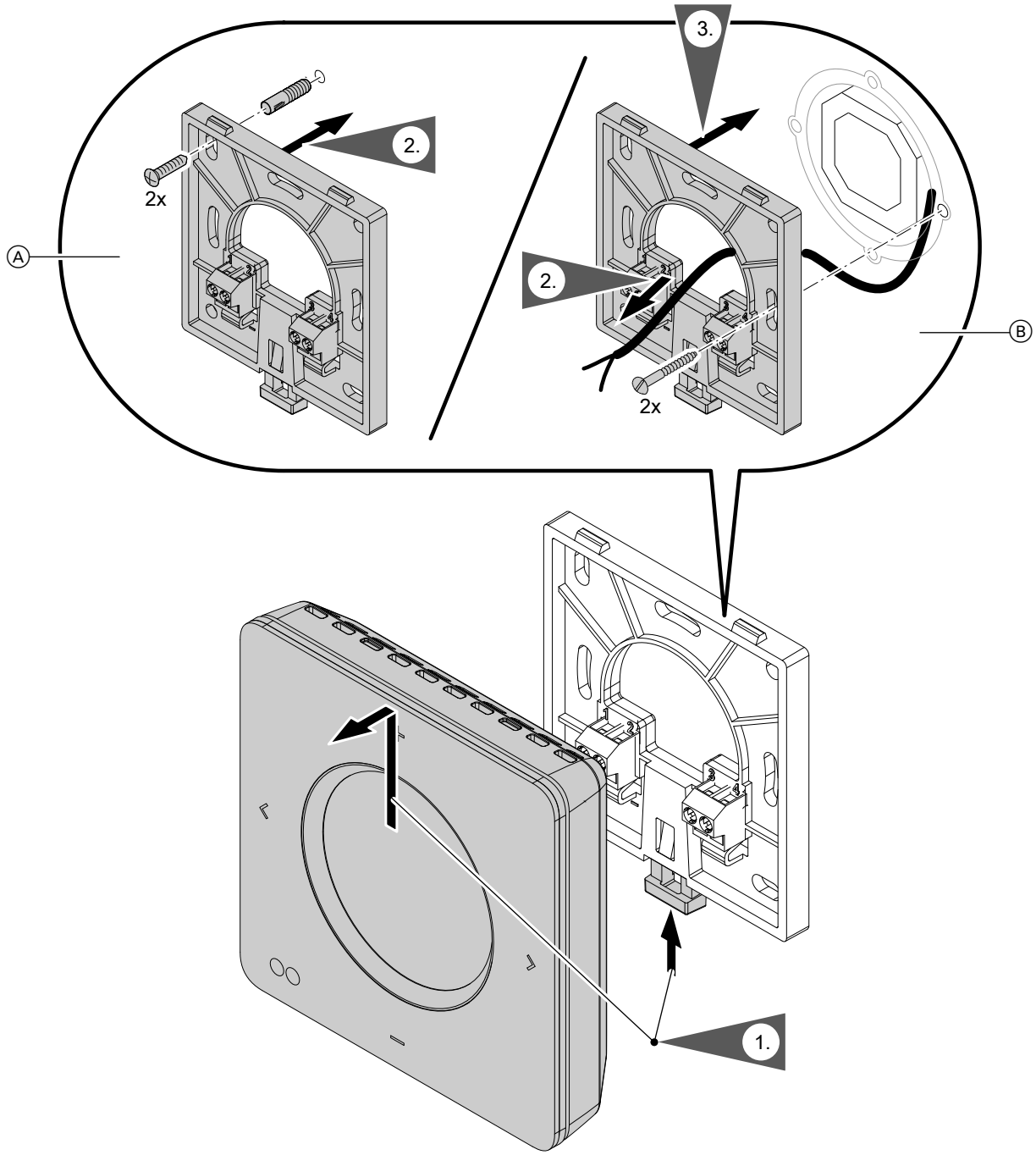

Fig. 4

Ⓐ 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).

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

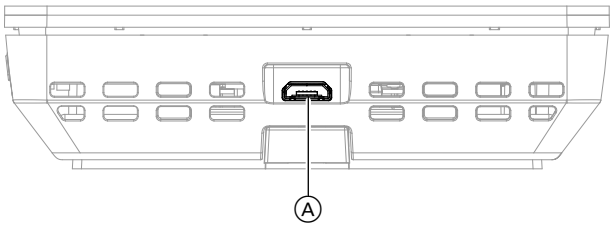

Fig. 5

1. Insert the micro USB of the plug-in power supply unit into connection Ⓐ of the remote control.
2. Plug the plug-in power supply unit for the remote control 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 both types with cable ties.
- Strip as little of the insulation as possible, directly before the terminals. Bundle the cables close to the corresponding terminals.

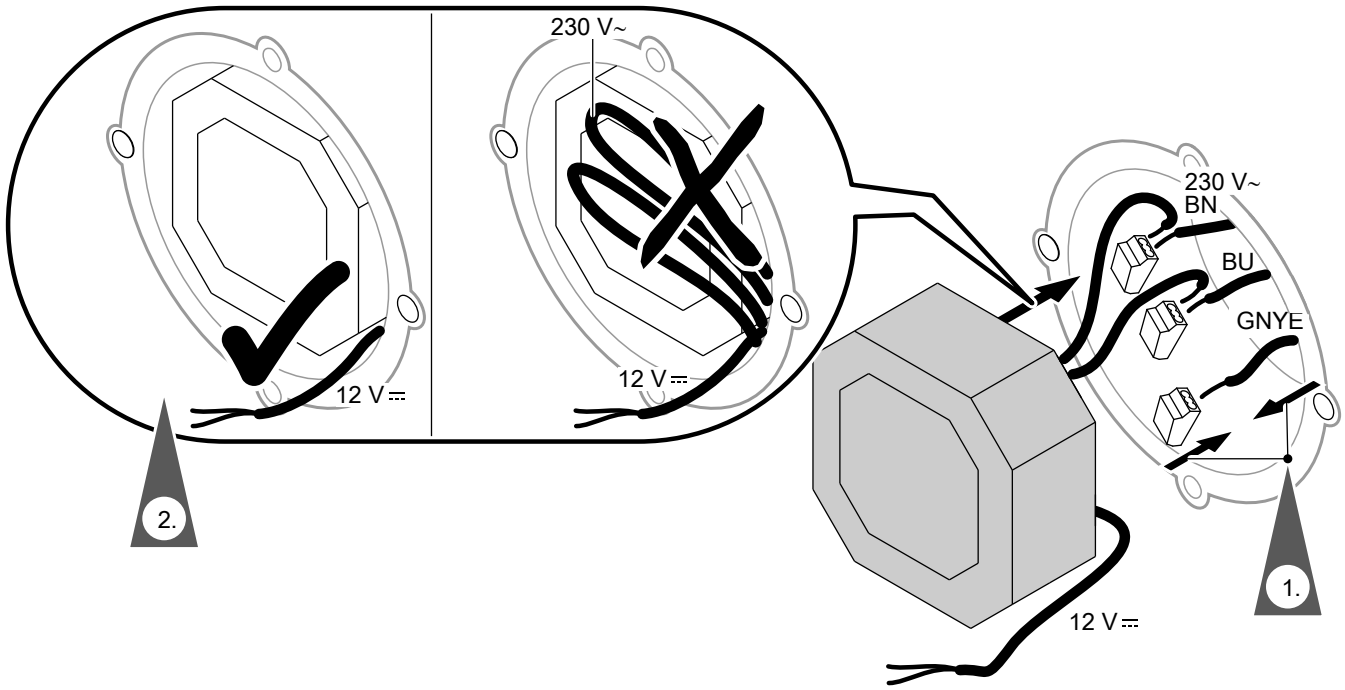

Fig. 6

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

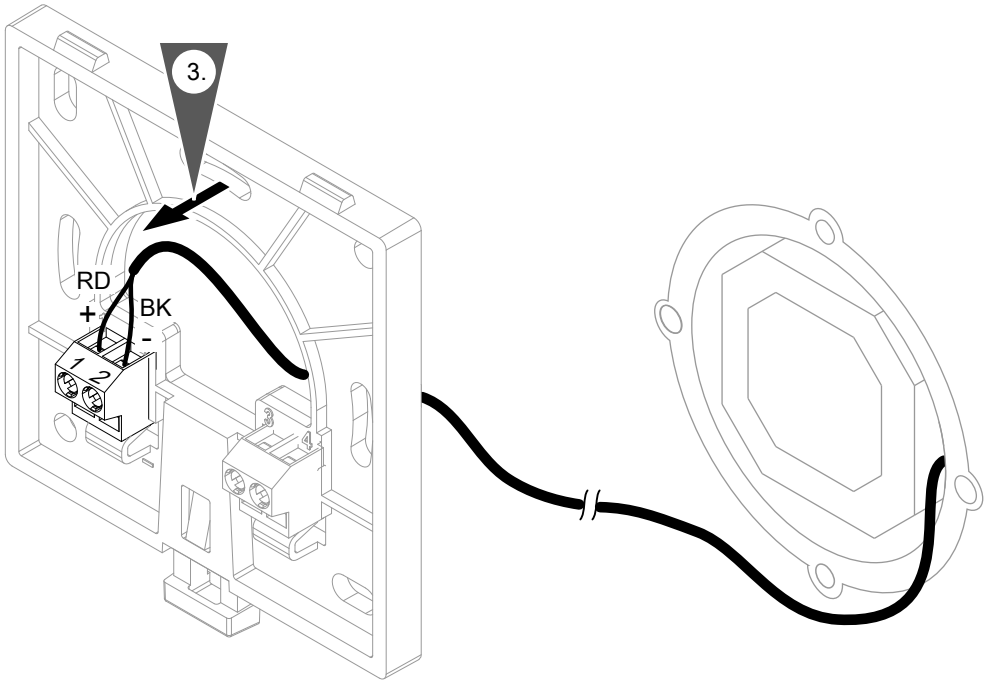

Fig. 7

! **Please note**
Incorrect or faulty core assignment can damage the remote control.
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 remote control into the mounting base

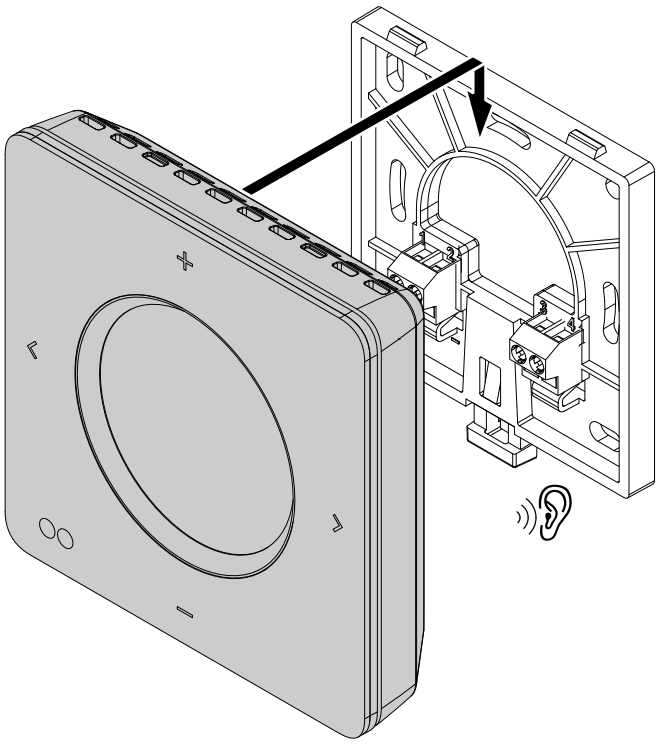

Fig. 8

Commissioning the remote control

Activating the wireless connection to the remote control

To connect your Viessmann appliance to the remote control, activate "Low power radio" on the programming unit of your Viessmann appliance.

Operating instructions for the Viessmann appliance

Note
If the "Start low power radio" function is not available on the control device of your Viessmann appliance, update the control device software: See following chapter.

Updating the software

If the "Start low power radio" function is not available on the control device of your Viessmann appliance, perform 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.
   If a software update is available, a message is displayed in the ViCare app.
3. Follow the instructions in the app.
   The software update is carried out and may take a few minutes.
   Once the update has been completed successfully, the remote control will restart.

Commissioning the remote control using the ViGuide app or ViCare app

The remote control is commissioned via the ViGuide app or ViCare app.

Note
The ViGuide app and ViCare app are available for iOS and Android devices.

Download on the App Store

GET IT ON Google Play

1. Use + − to select the required language.
2. Tap › to confirm.
3. Follow the instructions on the remote control screen. Confirm the information displayed.
4. Complete commissioning via the "ViGuide" software tool or "ViCare app".
   Open the app on your mobile device.

   Tap the following buttons:
   - **"Settings"**
   - **"ViCare Smart Climate"**
   - **"Add component"**
   - Select the remote control.
   - Follow the further instructions in the app.

   Note
   If ViCare components are available for individual room control, "Individual room control" must be selected in the ViGuide app or ViCare app.

Repeating commissioning

If a previously commissioned remote control needs to be recommissioned, it must first be reset to its factory settings: See page 53.

Assigning the remote control to heating/cooling circuits

You can operate up to four heating or cooling circuits with your remote control. It is assigned to the required heating/cooling circuits on your Viessmann appliance by your contractor. The settings on the Viessmann appliance are transferred to the remote control during commissioning.

The remote control supports ViCare individual room control: See page 46.

Commissioning the remote control (cont.)

Activating and setting room temperature influence

Room temperature influence adjusts the set flow temperature determined from the heating curve according to the room temperature. The higher the value set for room temperature influence, the greater the influence of the room temperature on the flow temperature.
Room temperature influence can be enabled for a maximum of 1 heating/cooling circuit per remote control.

Room temperature influence for the direct heating/cooling circuit should only be activated under the following conditions:
- Remote control is only assigned to 1 heating/cooling circuit.
  Or
- The heating/cooling circuit always has the highest temperature level.

Room temperature influence can be activated and set on your Viessmann appliance by your heating contractor. The settings on the Viessmann appliance are transferred to the remote control during commissioning.

Requirements:
- Room temperature sensor is connected.
- Weather-compensated mode is set for this heating/cooling circuit.

Note
- *The room influence factor has no effect on the flow temperature in cooling mode.*
- *In conjunction with a ventilation unit, the room temperature sensor and humidity sensor are taken into account for the "automatic sensor mode for humidity".*

Using the remote control

The remote control enables you to adjust the following settings from your living space, depending on the connected Viessmann appliance:

Possible functions	Connected Viessmann appliance, e.g. heat generator			
	Vitocal	Vitodens	Vitovalor	Vitoair
Setting the room temperature	X	X	X	—
Setting the ventilation level	—	—	—	X
Switching heating circuits on and off	X	X	X	—
Switching cooling circuits on and off	X	—	—	—
Switching heating/cooling circuits on and off	X	—	—	—
Setting the heating time program	X	X	X	—
Setting the cooling time program	X	—	—	—
Setting the ventilation time program	—	—	—	X
DHW heating				
Adjusting the set DHW temperature	X	X	X	—
Starting or stopping DHW heating	X	X	X	—
Setting the DHW heating time program	X	X	X	—
One-off DHW heating	X	X	X	—
Operating programs				
Holiday program	X	X	X	—
Holiday at home	X	X	X	—
Extend time phase	X	X	X	—
Energy cockpit	X	X	X	X
Intensive ventilation, low-noise ventilation or temporary switch-off	—	—	—	X
Ventilation cockpit: Check the status of filters and air quality, the ventilation flow rate and fan speed/operating hours	—	—	—	X
Bypass control	—	—	—	X
Setting temperatures and time programs for each room	Only if individual room control is available	Only if individual room control is available	Only if individual room control is available	—

All settings are transferred from the remote control to the control unit and vice versa. It is always the **most recent** settings that apply.

Using the remote control (cont.)

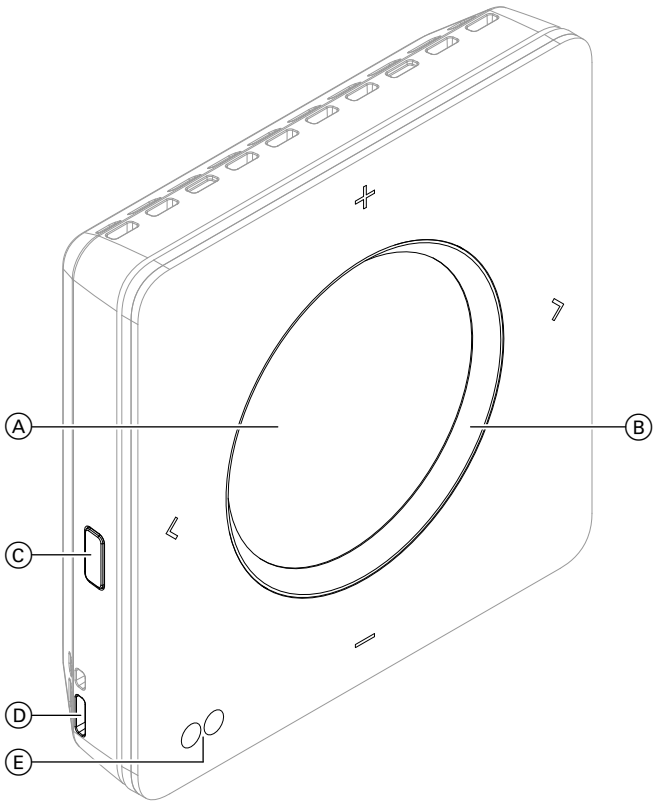

Fig. 9

Ⓐ 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.

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 26.*

Selecting a home screen

The remote control allows you to switch displays between several home screens.

Home screens:
- **"Climate info"**
- One home screen for each connected heating/cooling circuit, with the applicable set description for the heating/cooling circuit.
  If individual room control is enabled, then the individual rooms will be displayed instead of the heating/cooling circuits.
- **"DHW"**
- **"Ventilation"**

You can switch back and forth between the home screens using the ‹ and › buttons.

Using the remote control (cont.)

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

Displays in "Ventilation"
- Time program, ventilation
- Symbol colour:
  - Red: Ventilation with heat recovery is enabled.
  - Blue: Ventilation without heat recovery (passive cooling via bypass) is enabled.

Fig. 10

Red Poor air quality
Green Excellent air quality

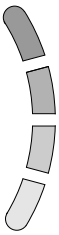

Fig. 11 Ventilation stage 1 to stage 4

Note
The rainbow-coloured arc on the left-hand edge of the screen shows the air quality. Air quality is displayed only if a ViCare CO2 sensor (accessories) is connected.

Signal strength
- Low power radio

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"**

Cooling temperatures
- **"Reduced"** Symbol colour: Blue
  Room heating with reduced room temperature
- **"Normal"** Symbol colour: Yellow
  Room heating with standard room temperature
- **"Comfort"** Symbol colour: Orange
  Room heating with comfort room temperature

Current ventilation level
- **"Stage 1"** **"Ventilation for humidity protection"** enabled
- **"Stage 2"** **"Reduced ventilation"** enabled
- **"Stage 3"** **"Nominal ventilation"** enabled
- **"Stage 4"** **"Intensive ventilation"** enabled

Energy saving and comfort functions
- **"Holiday program"** (not for ventilation)
- **"Holiday at home"** (not for ventilation)
- **"Extend time phase"**
- **"Once-only DHW heating"**
  Symbol colour:
  - Red: Once-only DHW heating is active.
  - Grey: One-off DHW heating is disabled.
- **"Intensive ventilation"** enabled once only.
- **"Noise-reduced ventilation"** enabled once only.

Further operating programs
- Frost protection is enabled.
- Standby mode
- Standby mode via outside temperature
- **"Cooling mode"**
  Symbol colour:
  - Blue: Automatic cooling mode enabled.
  - Grey: Automatic cooling mode disabled.
- **"Automatic mode"**, heating
  Symbol colour:
  - Orange: Automatic heating mode enabled.
  - Grey: Automatic heating mode disabled.
- **"Automatic mode"**, heating/cooling
  Symbol colour:
  - Orange/blue: Automatic heating/cooling mode enabled.
  - Grey: Automatic heating/cooling mode disabled.
- **"Automatic mode"**, cooling
  Symbol colour:
  - Blue: Cooling mode enabled.
  - Grey: Cooling mode disabled.
- **"Automatic mode"**, ventilation
- **"Time program"**, heating
- **"Time program"**, ventilation
- **"Time controlled with sensor priority"**, ventilation

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Using the remote control (cont.)

"Continuous operation", ventilation

External hook-up: The behaviour of the Viessmann appliance is determined by another control unit, e.g. 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.

Messages

- Error
- Warning message
- Maintenance message
- Power-OFF is enabled: The heat pump is shut down.

  Further information on power-OFF
  Heat pump operating instructions

Symbols when individual room control is enabled

Battery status

- Battery charge very good
- Battery charge good
- Battery charge low
- Battery charge critical
- Battery charge unknown

If ViCare CO2 sensor is connected:

- CO_2 CO2 level in ppm

Only in conjunction with individual room control:

- Child lock enabled for components in a room. If the child lock is enabled, no settings can be made for these components.
- Thermostatic radiator valve or floor thermostat valve position open
- **"Manual mode"** with individual room control, e.g. new set value. Duration of function as for **"Extend time phase"**.

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.

Note
The colours for heating mode are explained in the table. If ventilation is available, the details relate to the ventilation level.

Colour		Meaning
Display Ⓐ	**"Lightguide" illuminated ring Ⓑ**	
White	Blue	Your rooms are tempered to the reduced room temperature **"Reduced"** in accordance with the time program: See page 32.
White	Pale yellow	Your rooms are tempered to the standard room temperature **"Normal"** in accordance with the time program: See page 32.
White	Orange	Your rooms are tempered to the comfort room temperature **"Comfort"** in accordance with the time program: See page 32.
White	Green	Information is being displayed, e.g. **"Domestic hot water heating is on"**. This means that the function is enabled.
Blue	Blue	You are in the menu for adjusting the reduced room temperature setting at the **"Reduced"** temperature level or ventilation stage 1 **"Ventilation for humidity protection"**: See page 32.
Pale yellow	Pale yellow	You are in the menu for adjusting the standard room temperature setting at the **"Normal"** temperature level or ventilation stage 2 **"Reduced ventilation"**: See page 32.
Orange	Orange	You are in the menu for adjusting the comfort room temperature setting at the **"Comfort"** temperature level or ventilation stage 3 **"Nominal ventilation"**: See page 32.

Using the remote control (cont.)

Colour		Meaning
Display Ⓐ	**"Lightguide" illuminated ring Ⓑ**	
White	Red	An activity or message is being displayed. You can call up further information about the message: See page 56. E.g. **"Connecting to the boiler"** or **"No connection"**
Dark yellow	Dark yellow	A message is being displayed. You can call up further information about the message: See page 56. E.g. **"Software update not possible"**
Orange	Orange	The date and time are briefly shown after standby. Or Fault **"No connection to the boiler"**: See page 58.

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 51.

After standby (screen off), 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 53.
- A message is being displayed.
  To call up further information about the message: See page 56.

Operating programs

Note
The operating programs for room heating, room cooling, DHW heating and ventilation can be set separately.

Operating programs for room heating, room cooling and DHW heating

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 "Room heating".
⏻ **"Standby mode"**	**"Standby mode"**	▪ No room heating, no room cooling ▪ Frost protection for the Viessmann appliance is active. ▪ Ventilation function, if installed, continues to operate at the reduced ventilation level.

Operating programs (cont.)

Display	Operating program	Function
Room cooling: Shown only if cooling circuit selected		
Set temperature level is displayed: ▪ **"Comfort"** ▪ **"Normal"** ▪ **"Reduced"**	**"Cooling"**	The rooms of the selected cooling circuit are cooled in accordance with the specifications for room temperature and with the time program: See chapter "Room heating".
⏻ **"Standby mode"**	**"Standby mode"**	▪ No room heating, no room cooling ▪ Frost protection for the Viessmann appliance is active. ▪ Ventilation function, if installed, continues to operate at the reduced ventilation level.
Room heating: Shown only if heating/cooling circuit selected		
Set temperature level is displayed: ▪ **"Comfort"** ▪ **"Normal"** ▪ **"Reduced"**	**"Automatic mode"** (heating and cooling)	The rooms of the selected heating/cooling circuit are heated or cooled in accordance with the specifications for room temperature and with the time program: See chapter "Room heating".
⏻ **"Standby mode"**	**"Standby mode"**	▪ No room heating, no room cooling ▪ Frost protection for the Viessmann appliance is active. ▪ Ventilation function, if installed, continues to operate at the reduced ventilation level.
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 DHW temperature and with the time program: See chapter "DHW heating".
	"Domestic hot water" "OFF"	▪ No DHW heating ▪ Frost protection for the DHW cylinder is active.

Procedure for setting an operating program

Tap the following buttons:

1. ‹ › for the required heating/cooling circuit or DHW
2. \+ for approx. 2 seconds.
3. ‹› for **"Operating program"** or **"Domestic hot water heating ON/OFF"**
4. \+ to change
5. — for the required operating program: See table above.
6. › to confirm.
   The selected operating program is displayed.

Operating programs (cont.)

Ventilation operating program

Display	Operating program	Function
Ventilation: Shown only if "Ventilation" selected		
∞ and the set ventilation level are displayed: ▪ ≈¹ **"Stage 1"** ▪ ≈² **"Stage 2"** ▪ ≈³ **"Stage 3"** ▪ ≈⁴ **"Stage 4"**	**"Continuous operation"**	The rooms are continuously ventilated at the set ventilation stage: See chapter "Ventilation".
⏲ and the set ventilation level are displayed: ▪ ≈¹ **"Stage 1"** ▪ ≈² **"Stage 2"** ▪ ≈³ **"Stage 3"** ▪ ≈⁴ **"Stage 4"**	**"Time program"**	The rooms are ventilated in accordance with the time program: See chapter "Ventilation".
⧉ and the set ventilation level are displayed: ▪ ≈¹ **"Stage 1"** ▪ ≈² **"Stage 2"** ▪ ≈³ **"Stage 3"** ▪ ≈⁴ **"Stage 4"**	**"Time schedule with sensor override"**	The rooms are ventilated in accordance with the time program: See chapter "Ventilation". If the built-in humidity sensor measures excessive humidity or detects an increase in humidity within a set time, the ventilation level is adjusted **independently** of the time program.
⟳	**"Sensor based automatic mode"**	Rooms with a climate and/or CO2 sensor (accessories) are ventilated as required. Flow rate is continuously controlled. The threshold values for the sensors can be adjusted.

Procedure for setting an operating program

Tap the following buttons:

1. ‹ › for ventilation
2. \+ for approx. 2 seconds.
3. ‹› for **"Operating program"**
4. \+ to change
5. \+ − for the required operating program: See table above.
6. › to confirm.
   The selected operating program is displayed.
7. **With the "Continuous operation" program:**
   ▪ \+ − for the ventilation level
   ▪ › to confirm.

Special operating programs and functions

- **"Extend time phase"**: See page 34.
- **"Holiday program"**: See page 35.
- **"Holiday at home"**: See page 34.
- **"Intensive ventilation"**: See page 40.
- **"Noise-reduced ventilation"**: See page 41.
- **"Bypass"**: See page 42.
- **"Noise-reduced operation, heat pump"**: See page 41.

Operating programs (cont.)

- **Screed drying:**

  This function is enabled on the Viessmann appliance by your contractor. Your screed is dried in line with a set time program (temperature/time profile) suitable for the relevant building materials. Your settings for room 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.

  Service instructions for Viessmann appliance

- **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 other control devices (e.g. the remote control) while the external hook-up is active.

  Operating instructions for the Viessmann appliance

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.

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

Function	Setting options	Function	
		Within the time phase	Outside the time phase
Room heating/cooling (separately adjustable for each heating/cooling circuit)	▪ Remote control ▪ Control unit of the Viessmann appliance	Your rooms are tempered to the selected temperature level: ▪ **"Comfort"** ▪ **"Normal"**	Your rooms are tempered to the reduced room temperature.
DHW heating	▪ Remote control ▪ Control unit of the Viessmann appliance	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.

Procedure for setting a time program (cont.)

Function	Setting options	Function	
		Within the time phase	Outside the time phase
Only if the ventilation unit is being operated without a Viessmann appliance:			
Ventilation	▪ Remote control ▪ Four-stage push-button ▪ ViCare app	Your rooms are ventilated at the selected ventilation level: ▪ **"Stage 3"** ▪ **"Stage 2"** ***Note*** *If the operating program is* ***"Time program with sensor priority"****, the ventilation level is adjusted automatically if the air quality demands it.*	Your rooms are ventilated with ventilation level 1. ***Note*** *If the operating program is* ***"Time program with sensor priority"****, the ventilation level is adjusted automatically if the air quality demands it.*

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 room heating for heating/cooling circuit 1 in weather-compensated mode.

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 the weekday **"Monday"** for **"Heating/cooling 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/cooling circuit
2. \+ for approx. 2 seconds.
   The menu for the heating/cooling 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
   Yellow Set time phase with **"Normal"** temperature level
   Orange Set time phase with **"Comfort"** temperature level

Changing time phase 1:

1. +— to select the required time phase
2. › to confirm.
3. +— for **"Modify"**
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.

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Procedure for setting a time program (cont.)

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

Create new time phase 2:

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

To continue: See page 29.

Deleting time phases

The procedure is explained using the example of room heating for heating/cooling circuit 1 in weather-compensated mode

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

Tap the following on-screen buttons:

1. ‹ › for the required heating/cooling circuit
2. + for approx. 2 seconds
   The menu for the heating/cooling 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/cooling circuit.

Information on room heating, cooling and ventilation

Room temperatures can be set for heating circuits. If your system and your Viessmann appliance supports cooling circuits, room temperatures for cooling circuits or heating/cooling circuits can also be set.
If your heating system consists of multiple heating/cooling circuits, you can set the room temperature for each heating/cooling circuit individually.

Heating circuit types
- Heating circuit: The rooms are heated to the required room temperature.
- Cooling circuit: The rooms are cooled to the required room temperature.
- Heating/cooling circuit: The rooms are heated or cooled to the required room temperature. The changeover between heating and cooling is automatic.

Systems with Viessmann appliance and ventilation unit

The following settings for heating/cooling circuit 1 apply to heating/cooling:
- The **"Extend time phase"** function extends the duration of the temperature level.
- **"Holiday program"** function: All rooms on the heating/cooling circuit that are in the **"Heating/cooling"** operating program are tempered to the reduced room temperature (**"Reduced"**).
- The **"Holiday at home"** function activates the temperature level of the first time phase of the day in the periods between the set time phases.

Note
*A set **"Holiday program"** always applies to all heating/cooling circuits that are in **"Heating/cooling"** mode: See page 35.*

Systems with ventilation unit (with no Viessmann boiler)

If your system includes a ventilation unit but no Viessmann appliance (such as a heat generator), all settings for the ventilation unit are made in the separate **"Ventilation"** menu: See page 39.

Note
*For ventilation, there is no **"Holiday program"** and no **"Holiday at home"**.*

Adjusting the room temperature

If your heating system consists of multiple heating/cooling circuits, you can set the temperature level separately for each heating/cooling circuit.

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

Note
If a Viessmann appliance is installed, the ventilation unit is controlled by means of the settings for heating/cooling circuit 1.

Note
You define which temperature/ventilation level is enabled, via the time program for heating/cooling mode.

Adjusting the room temperature (cont.)

Permanently changing the current room temperature level

Tap the following on-screen buttons:

1. ‹ › for the required heating/cooling circuit or ventilation
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. ‹ › for the required heating/cooling circuit
2. + for approx. 2 seconds
   The menu for the heating/cooling circuit is displayed.
3. ‹› for **"Room set temperature"**.
4. + to confirm.
5. ‹› for the required temperature level
6. + to confirm.
7. +/− for the required temperature
8. › to confirm.
9. **Only with a combined heating/cooling circuit:**
   - Steps 1 to 8 for the required heating temperature
   - +/− for the required cooling temperature
   - › to confirm.

Note
For combined heating/cooling circuits, first set the required heating temperature, then the required cooling temperature.

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/cooling circuit

   Note
   With a connected Viessmann appliance, the ventilation unit is controlled by means of the settings for heating/cooling circuit 1.

2. + for approx. 2 seconds.
   The menu for the heating/cooling 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
Yellow	Set time phase with **"Normal"** temperature level
Orange	Set time phase with **"Comfort"** temperature level

To continue: See page 29.

Switching room heating off or on

For information on the operating programs: See page 26.

Switching room heating off or on (cont.)

Tap the following on-screen buttons:

1. ‹ › for the required heating/cooling circuit
2. + for approx. 2 seconds.
   The menu for the heating/cooling circuit is displayed.
3. ‹› to select the operating program.
4. + to confirm.
5. ‹› for **"Standby mode"**, **"Heating"** or **"Automatic mode"** (heating/cooling circuit only)
6. + to confirm.

Note
Ventilation continues if the heating/cooling circuit is switched off.

Temporarily adjusting the room temperature

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

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

Switching on "Extend time phase"

Tap the following on-screen buttons:

1. ‹ › for the required heating/cooling circuit
2. + for approx. 2 seconds.
   The menu for the heating/cooling circuit is displayed.
3. ‹› for **"Extend time phase"**
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.

Ending "Extend time phase" early

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

To end "Extend time phase" early, tap the following buttons:

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

Adjusting the room temperature for longer periods at home

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

The **"Holiday at home"** function has the following effects:
- 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, your rooms are heated to the reduced room temperature until the next time phase becomes active.

Adjusting the room temperature for longer… (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/cooling circuits.*

Example for central heating

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

Ⓐ Reduced room temperature
Ⓑ Standard room temperature
Ⓒ Comfort room temperature

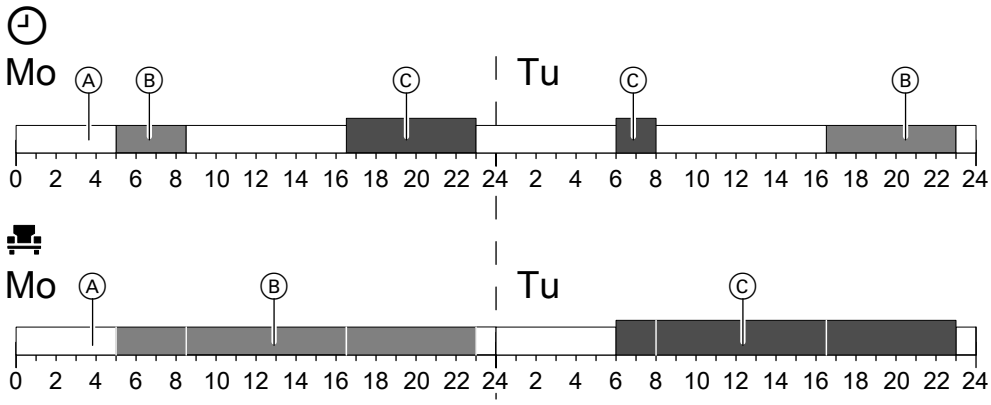

Fig. 12

Temperature levels in line with the set time program

Temperature level if **"Holidays at home"** is switched on.

Switching on "Holiday at home"

Tap the following on-screen buttons:

1. Operating button Ⓒ: See diagram on page 23.
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"**

Or:

1. Operating button Ⓒ: See diagram on page 23.
2. ◇ for **"Holiday at home"**
3. \+ for **"CANCEL"**

Saving energy during long periods of absence

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

The holiday program applies to **all heating/cooling circuits**, DHW heating and ventilation.

Saving energy during long periods of absence (cont.)

The holiday program has the following effects:
- **Room heating/cooling:**
  - For heating/cooling circuits in the **"Heating/cooling"** operating program ❄: The rooms are tempered to the set reduced room temperature (**"Reduced"**).
  - For heating/cooling circuits in the **"Standby mode"** operating program ⏻: No room heating/cooling: Frost protection of the Viessmann appliance is active.
- **DHW heating:** No DHW heating: Frost protection for the DHW cylinder is active.
- The holiday program starts on the day of departure (start date) and ends at 23:59 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 remote control screen 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 38.*

Activating the "Holiday program" 🧳

Tap the following on-screen buttons:

1. Operating button ⓒ: See diagram on page 23.
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"**

Or:

1. Operating button ⓒ: See diagram on page 23.
2. ◇ for **"Holiday program"**
3. + for **"CANCEL"**

Starting DHW heating

DHW is heated according to the set time program. The DHW circulation pump operates according to the time program set on the Viessmann appliance.

Tap the following on-screen buttons:

1. ‹ › for **"DHW"**
2. + for approx. 2 seconds

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".

3. ‹› for **"Domestic hot water heating ON/OFF"**
4. + for **"ON"**

Switching off DHW heating

Tap the following on-screen buttons:

1. ‹ › for **"DHW"**
2. + for approx. 2 seconds
3. ‹› for **"Domestic hot water heating ON/OFF"**
4. + for **"OFF"**

Setting the DHW temperature

Tap the following on-screen buttons:

1. ‹ › for **"DHW"**
2. + for approx. 2 seconds
3. ‹› for **"DHW set temperature"**
4. + to confirm.
5. +— for the required temperature
6. › to confirm.

Or:

1. ‹› for **"DHW"**
2. + to confirm.
3. +— for the required temperature
4. › to confirm.

Note
Actual and set value for DHW temperature are shown on the remote control 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 **"DHW"**
2. + for approx. 2 seconds
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 29.

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 37.

Tap the following on-screen buttons:

1. ◇ for **"DHW"**
2. + for approx. 2 seconds
3. ◇ for **"One-off DHW heating"**
4. + for **"ACTIVATE"**

Terminating once-only DHW heating

One-off DHW heating cannot be deactivated. Once activated, the DHW cylinder continues to be heated once, until the set DHW temperature is reached.

General information on ventilation

- Where the ventilation unit is operated in conjunction **with** a Viessmann appliance:
  The time program for heating/cooling circuit 1 applies both to room temperature and to ventilation. The ventilation does not have its own separate time program. See chapter "Room heating" on page 32 onwards.
- Where the ventilation unit is operated **without** a Viessmann appliance (such as a heat generator), all settings can be made in the ventilation menu. See following chapter.

Time program for ventilation

Setting a time program

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

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

Tap the following buttons:

1. ‹› for **"Ventilation"**
2. + for approx. 2 seconds.
   The menu for ventilation 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 Gaps between the selected time phases, ventilation stage 1 **"Ventilation for humidity protection"**
   Yellow Set time phase at ventilation stage 2 **"Reduced ventilation"**
   Orange Set time phase at ventilation stage 3 **"Nominal ventilation"**

To continue: See page 29.

Switching ventilation on or off

Ventilation cannot be switched off for extended periods. The lowest continuous setting for ventilation is ventilation level 1 **"Reduced level 1"**.

For explanations of the operating and time programs: See page 26 onwards.
To adjust ventilation temporarily: See following chapter.

Saving energy during long absences

To save energy during long absences, set ventilation level 1 to operate constantly.

Temporarily adjusting ventilation

- If, during a period of ventilation at ventilation stage 1 or 2, you wish to ventilate the rooms at **"Intensive ventilation"**, switch on the **"Intensive ventilation"** function. The duration of **"Intensive ventilation"** is adjustable.
  The rooms will be ventilated at a higher air flow rate.
  To set **"Intensive ventilation"**: See following chapter.
- If you want especially quiet ventilation temporarily, switch on the **"Noise-reduced ventilation"** function. The duration of **"Noise-reduced ventilation"** is adjustable.
  The rooms will be ventilated at a very low ventilation level.
  To set **"Low-noise ventilation"**: See page 41.
- In the event of an emergency, e.g. a fire or chemical accident in the vicinity, switch on the **"Temporary shutdown"** function. The duration of the **"Temporary shutdown"** can be set up to a maximum of 24 hours.

Switching on "Intensive ventilation"

Tap the following buttons:

1. ‹ › for **"Ventilation"**
2. \+ for approx. 2 seconds.
   The menu for ventilation is displayed.
3. ‹› for **"Quick mode"**
4. \+ to confirm.
5. ‹› for **"Intensive ventilation"**
6. \+ to confirm.
7. +— to set the hour for the duration of **"Intensive ventilation"**.
8. › to confirm.
9. +— to set the minutes for the duration of **"Intensive ventilation"**.
10. › to confirm.
    "Intensive ventilation" is active for the set duration.
    Once the set duration has expired, **"Intensive ventilation"** ends. The operating program that was active before the **"Intensive ventilation"** is resumed.

Switching off "Intensive ventilation"

The function ends automatically once the set time period has expired.

Tap the following on-screen buttons to terminate "Intensive ventilation" early:

1. ‹ › for **"Ventilation"**
2. \+ for approx. 2 seconds.
   The menu for ventilation is displayed.
3. ‹› for **"Quick mode"**
4. \+ to confirm.
5. ‹› for **"Intensive ventilation"**
6. \+ to **"Switch on/off"**
7. +— for **"Modify"**
8. › to confirm.
9. +— for **"Stop"**
10. › to confirm.

Temporarily adjusting ventilation (cont.)

Switching on "Noise-reduced ventilation"

Tap the following buttons:

1. ‹ › for **"Ventilation"**
2. \+ for approx. 2 seconds.
   The menu for ventilation is displayed.
3. ‹› for **"Quick mode"**
4. \+ to confirm.
5. ‹› for **"Noise-reduced ventilation"**
6. \+ to confirm.
7. +— to set the hour for the duration of **"Noise-reduced ventilation"**.
8. › to confirm.
9. +— to set the minutes for the duration of **"Noise-reduced ventilation"**.
10. › to confirm.
    "Noise-reduced ventilation" is enabled for the set duration.
    Once the set duration has expired, **"Noise-reduced ventilation"** ends. The operating program that was active before the **"Noise-reduced ventilation"** is resumed.

Switching off "Noise-reduced ventilation"

The function ends automatically once the set time period has expired.

Tap the following on-screen buttons to terminate "Noise-reduced ventilation" early:

1. ‹ › for **"Ventilation"**
2. \+ for approx. 2 seconds.
   The menu for ventilation is displayed.
3. ‹› for **"Quick mode"**
4. \+ to confirm.
5. ‹› for **"Noise-reduced ventilation"**
6. \+ to **"Switch on/off"**
7. +— for **"Modify"**
8. › to confirm.
9. +— for **"Stop"**
10. › to confirm.

Switching on "Temporary shutdown"

Tap the following buttons:

1. ‹ › for **"Ventilation"**
2. \+ for approx. 2 seconds.
   The menu for ventilation is displayed.
3. ‹› for **"Quick mode"**
4. \+ to confirm.
5. ‹› for **"Temporary shutdown"**
6. \+ to confirm.
7. +— to set the hour for the duration of **"Temporary shutdown"**.
8. › to confirm.
9. +— to set the minutes for the duration of **"Temporary shutdown"**.
10. › to confirm.
    "Temporary shutdown" is active for the set duration.
    Once the set duration has expired, **"Temporary shutdown"** ends. The operating program that was active before the **"Temporary shutdown"** is resumed.

Temporarily adjusting ventilation (cont.)

Switching off "Temporary shutdown"

The function ends automatically once the set time period has expired.

Tap the following on-screen buttons to terminate "Temporary shutdown" early:

1. ‹ › for **"Ventilation"**
2. \+ for approx. 2 seconds.
   The menu for ventilation is displayed.
3. ‹› for **"Quick mode"**
4. \+ to confirm.
5. ‹› for **"Temporary shutdown"**
6. \+ to **"Switch on/off"**
7. \+ − for **"Modify"**
8. › to confirm.
9. \+ for **"Stop"**
10. › to confirm.

Not heating supply air in summer

If you do not want the supply air to be preheated during the warmer months, you can open the summer bypass. This way, the supply air is not preheated by the extract air.
You can open or close the summer bypass manually, or do this automatically using an outside temperature limit, via the automatic function. Depending on the system, only **"Automatic mode"** or **"Off"** may be available.


Operating instructions for ventilation unit

Setting automatic summer bypass mode

Tap the following buttons:

1. ‹ › for **"Ventilation"**
2. \+ for approx. 2 seconds.
   The menu for ventilation is displayed.
3. ‹› for **"Bypass"**
4. \+ to confirm.
5. ‹› for **"Mode"**
6. \+ for **"Modify"**
7. \+ − for **"Automatic mode"**
8. › to confirm.
9. \+ for **"Dynamic"** or **"Gentle"**
10. › to confirm.
11. \+ to set **"Stage 1"** to **"Stage 4"**.
12. › to confirm.

Closing the summer bypass for extended periods

Tap the following buttons:

1. ‹ › for **"Ventilation"**
2. \+ for approx. 2 seconds.
   The menu for ventilation is displayed.
3. ‹› for **"Bypass"**
4. \+ to confirm.
5. ‹› for **"Mode"**
6. \+ for **"Modify"**
7. \+ − for **"Off"**

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Not heating supply air in summer (cont.)

8. › to confirm.
   The summer bypass is closed. The supply air is preheated by the extract air.

Opening the summer bypass for extended periods

Tap the following buttons:

1. ‹ › for **"Ventilation"**
2. \+ for approx. 2 seconds.
   The menu for ventilation is displayed.
3. ‹› for **"Bypass"**
4. \+ to confirm.
5. ‹› for **"Mode"**
6. \+ for **"Modify"**
7. \+ − for **"Open"**
8. › to confirm.

Setting the minimum supply air temperature

Tap the following buttons:

1. ‹ › for **"Ventilation"**
2. \+ for approx. 2 seconds.
   The menu for ventilation is displayed.
3. ‹› for **"Bypass"**
4. \+ for **"Display"**
5. ‹ › for **"Minimum supply air temperature"**
6. \+ to confirm.
7. \+ − to set the temperature for Gentle.
8. › to confirm.
9. \+ − to set the temperature for Dynamic.
10. › to confirm.

Setting the ventilation level limits in sensor-based automatic mode

Tap the following buttons:

1. ‹ › for **"Ventilation"**
2. \+ for approx. 2 seconds.
   The menu for ventilation is displayed.
3. ‹› for **"Ventilation air flow limits"**
4. \+ to confirm.
5. \+ − to set the min. ventilation stage.
6. › to confirm.
7. \+ − to set the max. ventilation stage.
8. › to confirm.

Adjusting the set temperature

Tap the following buttons:

1. ‹ › for **"Ventilation"**
2. \+ for approx. 2 seconds.
   The menu for ventilation is displayed.
3. ‹› for **"Set temperature"**
4. \+ to confirm.
5. \+ − to select the set temperature.
6. › to confirm.

Not heating supply air in summer (cont.)

Setting the target level

Tap the following buttons:

1. ‹ › for **"Ventilation"**
2. + for approx. 2 seconds.
   The menu for ventilation is displayed.
3. ‹› for **"Bypass"**
4. + to confirm.
5. ‹› for **"Target level"**
6. + for **"Modify"**
7. + − to set **"Stage 1"** to **"Stage 4"**.
8. › to confirm.

Setting control mode

Tap the following buttons:

1. ‹ › for **"Ventilation"**
2. + for approx. 2 seconds.
   The menu for ventilation is displayed.
3. ‹› for **"Bypass"**
4. + to confirm.
5. ‹› for **"Control mode"**
6. + for **"Modify"**
7. + − for **"Dynamic"** or **"Gentle"**
8. › to confirm.

Restoring the ventilation factory settings

Tap the following buttons:

1. ‹ › for **"Ventilation"**
2. + for approx. 2 seconds.
   The menu for ventilation is displayed.
3. ‹› to **"Set standard values"**
4. + to confirm.
5. + to confirm the note.

Running a self-test

Tap the following buttons:

1. ‹ › for **"Ventilation"**
2. + for approx. 2 seconds.
   The menu for ventilation is displayed.
3. ‹› for **"Self-check"**
4. + to confirm.
   The function of all ventilation actuators is tested for approx. 10 minutes.
   - Test of the extract and supply air fans
   - Test of the bypass damper
   - Test of the preheating coil (if installed)

Setting the frost protection

You can modify the following frost protection settings. Depending on the ventilation unit, not all settings will be available.

Not heating supply air in summer (cont.)

- **"Imbalance"**
  If the heat exchanger is iced up, the speed of the supply air fan is reduced and the supply air fan is switched off if necessary. The extract air heats the heat exchanger. This causes the ice to melt and drain off as condensate.
  The speed of the supply air fan is then increased again to the level of the extract air fan.
- **"Intermittent"**
  If the heat exchanger is iced up, the air flow rate is automatically reduced. The speeds of the supply air fan and extract air fan are at the same level.
  While frost protection is enabled, user control is suspended and the ventilation unit is switched off.
- **"Preheater"**
  If the heat exchanger is iced up, the electric preheating coil is switched on. This melts the ice.
  The outdoor air is heated to the set supply air temperature by the output control of the electric preheater coil.
  If the output of the electric preheater coil is not enough, the supply air flow rate is additionally reduced in stages.
- **"Economy mode preheater"**
  If the heat exchanger is iced up, the electric preheating coil is switched on. This melts the ice.
  The outdoor air is heated to the set supply air temperature by the output control of the electric preheater coil.
  To save energy, the maximum output of the electric preheater coil is limited to 50 %. If the output of the electric preheater coil is not enough, the supply air flow rate is additionally reduced in stages.

Tap the following buttons:

1. ‹› for **"Ventilation"**
2. + for approx. 2 seconds.
   The menu for ventilation is displayed.
3. ‹› for **"Frost protection"**
4. + to confirm.
5. +/– depending on the required change:
   - **"Imbalance"**
   - **"Intermittent"**
   - **"Preheater"**
   - **"Economy mode preheater"**
6. + to confirm.

Overview of functions

- Overview of system components
- Setting individual room temperature level (as for heating/cooling circuit)
- Individual room time program (as for heating/cooling circuit)
- **"Manual mode"**
- Child lock

Checking all components of individual room control

Tap the following buttons:

1. Operating button ⓒ: See diagram on page 23.
2. ‹› for **"System components"**
3. + to confirm.
4. ‹› to select the required component.
   The information for the component can be read off.

Checking components of a room

Tap the following buttons:

1. ‹› for the required room
2. + for approx. 2 seconds.
   The menu for individual room control is displayed.
3. ‹› for **"Systems"**
4. + to confirm.
5. ‹› to select the required component.
   The information for the component can be read off.

Manual mode

Only with individual room control.

Regardless of the heating/cooling circuit settings, you can change the set room temperature in a room for a short while. This function is comparable to the **"Extend time phase"** function for the heating/cooling circuits, but with a freely adjustable set room temperature.

Starting Manual mode

Tap the following buttons:

1. ‹› for the required room
2. + for approx. 2 seconds.
   The menu for individual room control is displayed.
3. ‹› for **"Manual mode"**
4. + to confirm.
5. +— to adjust the required set room temperature.
   The information for the component can be read off.
6. › to confirm.

Switching off Manual mode

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

Tap the following on-screen buttons to terminate "Manual mode" early:

1. ‹› for the required heating/cooling circuit
2. + for approx. 2 seconds.
   The menu for the heating/cooling circuit is displayed.
3. ‹› for **"Manual mode"**
4. + to confirm.
5. ‹› for **"Off"**

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Manual mode (cont.)

6. + to confirm.
   "Manual mode" is terminated.

Child lock

The child lock prevents operation of the components present in a room (with individual room control only).

Tap the following buttons:

1. ‹ › for the required room
2. + for approx. 2 seconds.
   The menu for individual room control is displayed.
3. ‹› for **"Child lock"**
4. + to confirm.
   The child lock is active.

Setting a time program for a room

Tap the following buttons:

1. ‹ › for the required room
2. + for approx. 2 seconds.
   The menu for individual room control is displayed.
3. ‹› for **"Time program"**
4. + to confirm.
   Next steps: See from page 29

Setting the maximum CO^2 value

Conditions:
Ventilation unit and CO2 sensor are installed.

Tap the following buttons:

1. ‹ › for the required room
2. + for approx. 2 seconds.
   The menu for individual room control is displayed.
3. ‹› for **"Set room CO2 value"**
4. + − to set the chosen maximum CO^2 value.
5. › to confirm.

Setting the temperature level for a room

Tap the following buttons:

1. ‹ › for the required room
2. + for approx. 2 seconds.
   The menu for individual room control is displayed.
3. ‹› for **"Room set temperatures"**
4. + to confirm.
   Next steps: See chapter "Setting room temperatures"

Heating time

Temperate heating of the room starts earlier than set in the time program, so that the specified set room temperature is already reached at the start of the respective time phase (± 15 min).

The function is a component of the paid "ViCare Plus Savings Assistant" extension.

Heating time (cont.)

Switching on the heating time

Tap the following buttons:

1. ‹ › for the required room
2. + for approx. 2 seconds.
   The menu for individual room control is displayed.
3. ‹› for **"Heating time"**
4. ‹ › for **"On"**
5. + to confirm.

Switching off the heating time

Tap the following buttons:

1. ‹ › for the required room
2. + for approx. 2 seconds.
   The menu for individual room control is displayed.
3. ‹› for **"Heating time"**
4. ‹ › for **"Off"**
5. + to confirm.

Geofencing

The local heating system control regulates the room temperature depending on the distance of the mobile device with ViCare from the room.

The function is a component of the paid "ViCare Plus Savings Assistant" extension.

Switching on geofencing

Tap the following buttons:

1. ‹ › for the required room
2. + for approx. 2 seconds.
   The menu for individual room control is displayed.
3. ‹› for **"Geofencing"**
4. ‹ › for **"On"**
5. + to confirm.

Switching off geofencing

Tap the following buttons:

1. ‹ › for the required room
2. + for approx. 2 seconds.
   The menu for individual room control is displayed.
3. ‹› for **"Geofencing"**
4. ‹ › for **"Off"**
5. + to confirm.

General information on Vitocharge VX3

The functions are only available if your system includes a heat pump with Viessmann One Base and a Vitocharge VX3.

Operating instructions for Vitocharge VX3

Switching on the Vitocharge VX3

Tap the following buttons:

1. ◇ for **"Photovoltaic"**, **"Battery"** or **"Grid"**
2. + for approx. 2 seconds.
3. ◇ for **"On"**
4. + to confirm.

Switching off the Vitocharge VX3

Tap the following buttons:

1. ◇ for **"Photovoltaic"**, **"Battery"** or **"Grid"**
2. + for approx. 2 seconds.
3. ◇ for **"Off"**
4. + to confirm.

Checking information about the photovoltaic system

The **"PV info"** menu enables you to check the following information:
- **"DC voltage"**
- **"DC current"**
- **"DC power"**
- **"AC power"**

Tap the following buttons:

1. ◇ for **"Photovoltaic"**
2. + for approx. 2 seconds.
3. ◇ for **"PV info"**
4. + to confirm.
5. ◇ to call up the required information.

Checking the energy balance of the photovoltaic system

Tap the following buttons:

1. ◇ for **"Photovoltaic"**
2. + for approx. 2 seconds.
3. ◇ for **"Energy statement"**
4. + to confirm.
5. ◇ to call up the required information.

Checking battery information

The **"Battery info"** menu enables you to check the following information:
- **"AC power"**
- **"Battery temperature"**

Tap the following buttons:

1. ◇ for **"Battery"**
2. + for approx. 2 seconds.
3. ◇ for **"Battery info"**
4. + to confirm.
5. ◇ to call up the required information.

Checking the energy balance of the battery

Tap the following buttons:

1. ◇ for **"Battery"**
2. + for approx. 2 seconds.
3. ◇ for **"Energy statement"**
4. + to confirm.
5. ◇ to call up the required information.

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 23.
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 remote control hard to read. This can be remedied by changing the brightness level of backlighting.

Factory setting: **"AUTO"**

Adjusting the brightness manually

Tap the following on-screen buttons:

1. Operating button ⓒ: See diagram on page 23.
2. ◇ for **"Sensor settings"**
3. + to confirm.
4. ◇ for **"Brightness"**
5. + for **"CHANGE"**
6. + − for the required brightness
7. › 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 23.
2. ◇ for **"Sensor settings"**
3. + to confirm.
4. ◇ for **"Brightness"**
5. + for **"CHANGE"**
6. + − for **"AUTO"**
7. › to confirm.

Proximity sensor sensitivity

The proximity sensor activates the display backlighting when you approach the remote control. 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 23.
2. ◇ for **"Sensor settings"**
3. + to confirm.
4. ◇ for **"Sensor sensitivity"**
5. + for **"CHANGE"**
6. + − for the required sensitivity
7. › to confirm.

Proximity sensor sensitivity (cont.)

Deactivating the proximity sensor

Tap the following on-screen buttons:

1. Operating button Ⓒ: See diagram on page 23.
2. ◇ for **"Sensor settings"**
3. + to confirm.
4. ◇ for **"Sensor sensitivity"**
5. + for **"CHANGE"**
6. + − for **"Off"**
7. › to confirm.
   The proximity sensor is deactivated. The display backlighting is now only activated when a button is pressed.

Setting sensor offset

This setting affects the display of values from the built-in temperature sensor. The value displayed on the home screen may be higher or lower than the level measured in the room.

Tap the following buttons:

1. Operating button Ⓒ: See diagram on page 23.
2. ◇ for **"Sensor settings"**
3. + to confirm.
4. ◇ for **"Temperature offset"** or **"Humidity offset"**
5. + to confirm.
6. + − to select the required value.
7. › to confirm.

Software update

If a software update is available, a message is displayed in the ViCare app.

Starting a software update:

1. Switch on access point mode and request the access point credentials: See the following chapter.
2. Follow the instructions in the ViCare app:
   Establish a wireless connection between the mobile device with the message and the local network of the remote control.

   The software update is carried out and may take a few minutes.
   Once the update has been completed successfully, the remote control will restart.

Switching on access point mode and calling up credentials

Tap the following buttons:

1. Operating button Ⓒ: See Fig. on page 23.
2. ◇ for **"WiFi access point"**
3. + to confirm.
4. + to **"Switch on/off"**
5. + − for **"On"**
6. › to confirm.
7. ◇ to request access point credentials.

Switching off access point mode

Tap the following buttons:

1. Operating button Ⓒ: See Fig. on page 23.
2. ◇ for **"WiFi access point"**
3. + to confirm.
4. + to **"Switch on/off"**
5. + − for **"Off"**

Software update (cont.)

6. › 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 23.
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 23.
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 Viessmann appliance. All settings changed by you are restored to the delivered condition.

Note
Your contractor must similarly update the settings for the remote control on the Viessmann appliance.

Tap the following on-screen buttons:

1. Operating button Ⓒ: See diagram on page 23.
2. ◇ for **"Factory settings"**
3. \+ for **"RUN"**
4. \+ to confirm the prompt.
   The remote control is restored to the factory settings and then restarted.
5. Re-commission your remote control: See page 20.

Configuring the system view

Tap the following buttons:

1. Operating button Ⓒ: See Fig. on page 23.
2. ◇ for **"Configuration system view"**
3. \+ for **"CHANGE"**
4. \+ − for **"Room view"** (with individual room control), **"Heating/cooling circuit view"** or **"Mixed view"** (with individual room control)
5. › to confirm.

Checking room temperatures and humidity

On the **"Climate info"** home screen you can check the following information for the room in which the remote control 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/cooling circuits.

Checking 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 or MWh (shown in yellow) respectively
  - **"Boiler total annual consumption"**
  - **"Annual gas consumption, heating"**
  - **"Annual gas consumption, DHW"**
- Ventilation power consumption
  - **"Annual power consumption for ventilation"**
  - **"Electric heater annual power consumption"**
  - **"Ventilation power consumption"**
  - **"Heat exchanger annual savings"**
  - **"Annual energy recovery rate"**
- Heat pump power consumption
  - **"Heat pump annual power consumption"**
  - **"Electric heater annual power consumption"**
  - **"DHW annual power consumption"**
  - **"DHW electric heater (EHE) power consumption"**
  - For heat pump cascades: **"Total annual power consumption"**
- Energy efficiency data
  - **"SPF: System"**
  - **"SPF: Heating"**
  - **"SPF: DHW"**
  - **"SEER: Cooling"**

The energy consumption is displayed in the form of a bar chart. The display is dependent upon the system installed.

Displaying the "Energy cockpit"

Tap the following on-screen buttons:

1. Operating button ⓒ: See diagram on page 23.
2. ‹› for **"Energy cockpit"**
3. ‹ › to select the system or appliance.
4. + for **"SHOW"**
5. ‹ › to check the required energy consumption data.
6. + to toggle between different displays. Depending on the energy consumption, not all displays are available.
   - Current year
   - Last year
   - Current month
   - Last month
   - Last 7 days
   - Today

Checking information on ventilation

The **"Ventilation cockpit"** menu enables you to check the following information:

- **"Operating status"**:
  The following information can be checked:
  - Filter status
  - Filter change
  - Bypass status
  - Maintenance
  - System status
- **"Preheater coil information"**
  The following information can be checked:
  - Runtime
  - Starts
  - Output in W
- Air quality:
  The following information can be checked:
  - Status
- Internal sensors:
  - Status
  - Supply air
  - Outdoor air
  - Exhaust air
  - Extract air
- Flow rate and fans:
  The following information can be checked:
  - Flow rate
  - Speed
  - Hours run

Displaying "Ventilation cockpit"

Tap the following buttons:

1. ‹› for **"Ventilation"**
2. \+ for approx. 2 seconds.
   The menu for ventilation is displayed.
3. ‹› for **"Ventilation cockpit"**
4. \+ for **"SHOW"**
5. ‹› to check information on the **"Operating status"**, **"Preheater coil information"**, **"Flow rate and fans"**, **"Air quality"** or the **"Fans"**.
6. \+ for **"SHOW"**
7. ‹› to toggle between different displays.
8. — to return to information selection.

Calling up device information

In the "Device info" menu you can call up the following information for the remote control:

Shown on display	Explanations
"S/N"	Serial number
"Software version"	
"Low power radio"	LQI: Signal quality of Low power radio RSSI: Signal strength of Low power radio
"Credentials"	Access data for internet access
"QR code"	QR code with connection details
"WiFi access point"	Status of access point (**"On"**/**"Off"**)

Displaying the "Device info"

Tap the following on-screen buttons:

1. Operating button Ⓒ: See diagram on page 23.
2. ‹› for **"Device info"**
3. \+ for **"SHOW"**
4. ‹› to call up the required information.

Calling up connected devices

Tap the following buttons:

1. Operating button Ⓒ: See Fig. on page 23.
2. ‹› for **"Service menu"**

Calling up connected devices (cont.)

3. Enter PIN "1917". To do this, select each number individually:
   + – for the required number
   › to confirm.
4. › to confirm.
5. ‹› for **"Connected devices"**
6. + for **"Display"**
7. ‹› to toggle between the devices.

Calling up licences

Connect your smartphone or your PC to the remote control to call up legal information, e.g. open source licences.

Calling up open source licences

Tap the following on-screen buttons:

1. Operating button ⓒ: See diagram on page 23.
2. ‹› for **"Legal information"**
3. + for **"SHOW"**.
   The WiFi password and WiFi name are displayed.
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. Enter the WiFi password.
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 23.
2. ‹› for **"Message lists"**
3. + for **"SHOW"**
4. ‹› to scroll through the list of messages.
5. – to select **"BACK"** and exit the message list.

Demo mode

In demo mode, you can display the full menu scope of the remote control without being connected to a system.

Switching on demo mode

Tap the following buttons:

1. Operating button Ⓒ: See Fig. on page 23.
2. ‹› for **"Service menu"**
3. Enter PIN "1917". To do this, select each number individually:
   + − for the required number
   › to confirm.
4. › to confirm.
5. ‹› for **"Demo mode"**
6. + − for the required demo system
7. › to confirm.

Switching off demo mode

Tap the following buttons:

1. Operating button Ⓒ: See Fig. on page 23.
2. ‹› for **"Service menu"**
3. Enter PIN "1917". To do this, select each number individually:
   + − for the required number
   › to confirm.
4. › to confirm.
5. ‹› for **"Demo mode"**
6. + − for **"Off"**
7. › to confirm.

Faults without fault display

All indicators on the remote control are off.

Cause	Remedy
The power supply to the remote control has been interrupted.	Check the power supply and the plug-in power supply unit for the remote control.

No connection

"No connection"

Cause	Remedy
Wireless connection to the Viessmann appliance has been interrupted. E.g. due to reduced signal strength of the "low power radio".	▪ Check whether your Viessmann appliance is switched on. ▪ Check whether "low power radio" on your Viessmann appliance is activated.  Operating instructions for the Viessmann appliance ▪ Check the signal strength of the "Low power radio" in the **"Device info"** menu of your remote control: See page 55. ▪ Change the installation location of the remote control: See page 13. Or Use a repeater: See page 13 ▪ Restart the remote control: See page 59. ▪ Switch your Viessmann appliance off and on again.  Operating instructions for the Viessmann appliance ▪ Restore the factory settings on your remote control: See page 53. Repeat the commissioning process: See page 20.

"Connection error"

Cause	Remedy
The connection to the Viessmann appliance could not be established during commissioning.	▪ Check the access codes during commissioning: See page 55. ▪ Check whether your Viessmann appliance is switched on. ▪ Check whether "low power radio" on your Viessmann appliance is activated.  Operating instructions for the Viessmann appliance ▪ Check the signal strength of the "Low power radio" in the **"Device info"** menu of your remote control: See page 55. ▪ Change the installation location of the remote control: See page 13. Or Use a repeater: See page 13 ▪ Restart the remote control: See page 59. ▪ Restore the factory settings on your remote control: See page 53. Repeat the commissioning process: See page 20.

"Standby mode" is displayed

"Standby mode"

Cause	Remedy
The Viessmann appliance is in standby mode. The system is not providing room heating/cooling.	☼ No action required. The Viessmann appliance automatically switches to standby mode once the outside temperature is above the set room temperature (only with weather-compensated control units). ⏻ Select a different operating program to terminate standby mode.

"No heating/cooling circuits assigned to this Vitotrol 300-E" is displayed.

"The Vitotrol 300-E has not been assigned to any heating/cooling circuits."

Cause	Remedy
▪ The remote control has not been assigned to any heating/cooling circuit during commissioning of the Viessmann appliance. Or ▪ The wrong appliance ID was assigned to the heating/cooling circuit.	Consult your contractor.

Faults on the Viessmann appliance

In the event of faults on the Viessmann appliance or the ventilation unit, a fault code e.g. "F.160" is additionally displayed.
Find out about possible troubleshooting measures on your Viessmann appliance and notify your heating contractor.

Operating instructions for the Viessmann appliance

Cause of fault could not be found

Some settings can not be adjusted at the remote control.
Find out about any possible troubleshooting measures on the control unit of your Viessmann appliance and notify your heating contractor.

Operating instructions for the Viessmann appliance or ventilation unit

Restarting the remote control

Power supply via plug-in power supply unit

1. Remove the plug-in power supply unit of the remote control from the socket.
2. Reinsert the plug-in power supply unit of the remote control into the socket.

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

1. Remove the remote control from the mounting base: See page 16.
2. Reinsert the remote control back into the mounting base: See page 19.

Service

The remote control 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	
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/cooling circuit is switched off.

Only boiler frost protection is active. The system is not providing room heating/cooling.

Setback mode (reduced heating/cooling 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
- How you cool your rooms
- How you ventilate your rooms
- Whether you heat DHW
- Whether frost protection only is active for the Viessmann appliance and DHW cylinder.

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 at which the operating status is changed over are defined when you set the time program on the Viessmann appliance.

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.

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/cooling mode

Standard heating/cooling mode or comfort heating/cooling mode

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

Reduced heating/cooling mode

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

Terminology (cont.)

Weather-compensated heating/cooling mode

In weather-compensated operation, 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. If the system and the Viessmann appliance support the "cooling" function, the rooms are cooled when outside temperatures are very high.

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/cooling circuit

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

A system may comprise several heating/cooling circuits. For example, it may have one heating/cooling circuit for the rooms occupied by you and one heating/cooling circuit for the rooms of a separate apartment.

Heating circuit pump

Circulation pump for circulating the heating water in the heating/cooling circuit

Cooling circuit

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

A system may comprise several cooling circuits. For example, it may have one cooling circuit for the rooms occupied by you and one cooling circuit for the rooms of a separate apartment.

Licences

See "Access point mode"

Night setback

See "Reduced heating mode"

Open flue operation

The combustion air is drawn from the room where the Viessmann appliance (e.g. heat generator) is installed.

Room sealed operation

The combustion air is drawn from outside the building.

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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 influence

Room temperature influence 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
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Keyword index

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Keyword index (cont.)

Keyword index (cont.)

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