Operating instructions

for the system user

Room temperature controller
Type UTDB-RF2

VITOTROL 100

Please keep safe.

Safety instructions

For your safety

⚠️ 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 operating instructions are designed for heating system users. This appliance can also be operated by children 8 years and older, as well as by individuals with reduced physical, sensory or mental faculties or those lacking in experience and knowledge, provided such individuals are being supervised or have been instructed in the safe use of this appliance and any risks arising from it.

❗ **Please note**
Supervise children in the proximity of the appliance.
- Never permit children to play with the appliance.
- Cleaning and maintenance must not be carried out by unsupervised children.

Connecting the appliance

- Connection and commissioning of the appliance may only be carried out by authorised contractors.
- Only operate the appliance with suitable fuels.
- Adhere to the electrical connection requirements.
- Modifications to the existing installation may only be carried out by authorised contractors.

⚠️ **Danger**
Incorrectly executed work on the heating system can lead to life threatening accidents.
- Work on gas installations must only be carried out by a registered gas fitter.
- Work on electrical equipment must only be carried out by a qualified electrician.

Working on the appliance

- When adjusting settings and carrying out work on the appliance always follow the guidelines in these operating instructions.
  Additional work on the appliance may only be carried out by authorised contractors.
- Never open the appliance.
- Never remove the cladding.
- Never remove or change additional parts or installed accessories.
- Never open or retighten pipe connections.

For your safety (cont.)

⚠ **Danger**
Hot surfaces can cause burns.
■ Never open the appliance.
■ Never touch the hot surfaces of uninsulated pipes, fittings or flue pipes.

If you smell gas

⚠ **Danger**
Escaping gas can lead to explosions which may result in serious injury.
■ Do not smoke. Prevent naked flames and sparks. Do not switch lights or electrical appliances on or off.
■ Close the gas shut-off valve.
■ Open windows and doors.
■ Evacuate any people from the danger zone.
■ Notify your gas and power supply utility and your local heating contractor from outside the building.
■ Have the power supply to the building shut off from a safe place (outside the building).

If you smell flue gas

⚠ **Danger**
Flue gas can lead to life threatening poisoning.
■ Shut down the heating system.
■ Ventilate the installation site.
■ Close all doors in the living space.

Emergency contact

If you smell gas or detect a gas leak call the National Gas Emergency service on 0800 111 999. Notify your gas or electricity supplier and your heating contractor.
■ Shut off the electricity supply to the building from a safe place (outside the building).

In case of fire

⚠ **Danger**
Fire presents a risk of burns and explosion.
■ Shut down the heating system.
■ Close the shut-off valves in the fuel supply lines.
■ Use a tested fire extinguisher, class ABC.

What to do if the heating system develops a fault

⚠ **Danger**
Fault messages indicate faults in the heating system. If faults are not rectified, they can have life threatening consequences.
Do not acknowledge fault messages several times in quick succession. Inform your heating contractor so the cause can be analysed and the fault rectified.

For your safety (cont.)

Installation room requirements

⚠️ **Danger**
Sealed vents result in a lack of combustion air. This leads to incomplete combustion and the formation of life threatening carbon monoxide.
Never cover or close existing vents.
Do not make any subsequent modifications to the building characteristics that could affect safe operation (e.g. cable/pipework routing, cladding or partitions).

⚠️ **Danger**
Easily flammable liquids and materials (e.g. petrol, solvents, cleaning agents, paints or paper) can cause deflagration and fire.
Never store or use such materials in the installation room or in direct proximity to the heating system.

! **Please note**
Incorrect ambient conditions can lead to heating system damage and can put safe operation at risk.
- Ensure ambient temperatures are above 0 °C and below 35 °C.
- Prevent air contamination by halogenated hydrocarbons (e.g. as contained in paints, solvents or cleaning fluids) and excessive dust (e.g. through grinding/polishing work).
- Avoid continuously high humidity levels (e.g. through continuous drying of washing).

Extractors

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

⚠️ **Danger**
The simultaneous operation of the boiler and appliances that extract air to the outside can result in life threatening poisoning due to reverse flow of the flue gas.
Take suitable steps to ensure an adequate supply of combustion air. If necessary, contact your heating contractor.

Auxiliary components, spare and wearing parts

! **Please note**
Components not tested with the heating system may damage the system or affect its function.
Only allow qualified contractors to carry out installation or replacement work.

4

Index

Index (cont.)

Summary of controls and indicators

Opening the flap

Summary of controls and indicators (cont.)

Functions
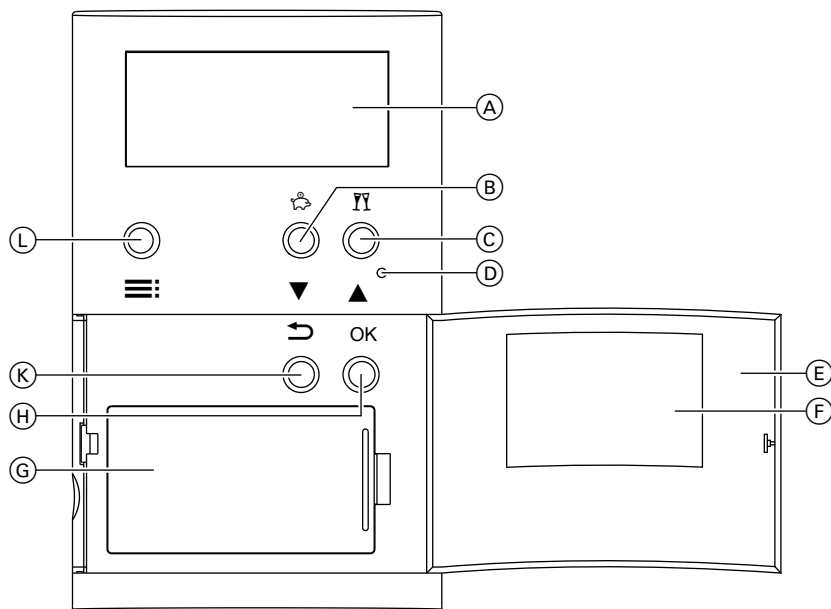
Ⓐ Display
Ⓑ Economy mode ⛄ (page 18)
   or
   Changing set values ▼
Ⓒ Party mode 🍴 (page 17)
   or
   Changing set values ▲

Ⓓ Reset
Ⓔ Open flap
Ⓕ Type plate
Ⓖ Battery compartment
Ⓗ Confirmation
Ⓚ 1 step back in the menu
Ⓛ Calling up the menu

Symbols on the display

These symbols are not always displayed, but appear subject to the operating condition.

5461 065 GB

Summary of controls and indicators (cont.)

We   01.01.09   23:26
Prog 1
21.5°C
0   6   12   18   24

Ⓐ Day
Ⓑ Date
Ⓒ Time
Ⓓ Selected time program
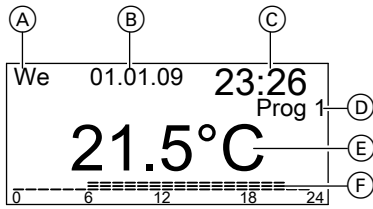
Ⓔ Current room temperature
Ⓕ Time program shown as time slot graphic

Ⅲ Heat demand for central heating
🌡 Heat demand for DHW heating
🍸 Party mode enabled
🐷 Economy mode enabled
✋ Manual mode enabled
💼 Holiday program enabled
❄ Frost protection mode enabled
🔋 Change batteries
🔒 Controls locked out

Display backlighting

The display backlight is activated by pressing any key and extinguishes 15 s after the last key activation.

How to use the controls

Default display

21.5°C
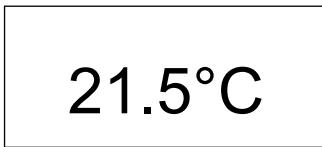
When idle, the display always shows the current room temperature.
■ Pressing any key takes you to the operating display.
■ Pressing key ≣ twice calls up the menu.

■ ⊃ takes you one step back in the menu.
■ The menu will automatically close 30 s after the last key was pressed. The default display will be shown 3 min later.
Any changes are accepted with **OK**. Temperature changes made with keys ▲/▼ are accepted automatically after 5 s.

How to use the controls (cont.)

Lock out controls

You can lock the control keys of the Vitotrol 100. To do this, press ▲ and ▼ simultaneously for 5 s. To unlock the keys, press ▲ and ▼ simultaneously again for 5 s.

Selecting the operating mode

You can select between the following operating modes:

■ Heating mode
In this operating mode, there are 3 pre-set programs available to you (**"Prog 1"** to **"Prog 3"**) (see next chapter).

Heating alternates with standard room temperature (**"Comfort"**) and 2 reduced room temperatures (**"Eco"** and **"Reduced"**).

■ **"Frost pr."**: Frost protection mode (see page 13)
■ **"Manual"**: Operation with a constant room temperature (see page 13)

Heating mode

You can choose from 3 preset time programs (**"Prog 1"** to **"Prog 3"**).

Note
You can change the time programs in accordance with your individual preferences (see page 14).

In the time programs, you can change between 3 temperature values:
■ **"Comfort"** (delivered condition: 21 °C)
■ **"Eco"** (delivered condition: 19 °C)
■ **"Reduced"** (delivered condition: 16 °C)

Preset time programs

Time program 1 – Prog 1

Monday to Friday

Note
You can change the temperature settings in accordance with your individual preferences (see page 14).

1. Open the flap.

2. Press ☰ **twice**.

3. Select the required program with ▼/▲ (e.g. **"Prog 1"**).

4. Confirm with **OK**.
Heating mode proceeds in line with the selected time program.

Time phase	Start	End	Room temperature
1	06:00	08:00	Comfort
2	08:00	12:00	Comfort
3	12:00	14:00	Comfort
4	14:00	18:00	Comfort
5	18:00	22:00	Comfort
6	22:00	06:00	Reduced

Central heating

Selecting the operating mode (cont.)

Saturday and Sunday

Time phase	Start	End	Room temperature
1	07:00	08:00	Comfort
2	08:00	12:00	Comfort
3	12:00	14:00	Comfort
4	14:00	16:00	Comfort
5	16:00	23:00	Comfort
6	23:00	07:00	Reduced

Time program 2 – Prog 2

Monday to Friday

Time phase	Start	End	Room temperature
1	06:00	08:00	Comfort
2	08:00	12:00	Reduced
3	12:00	14:00	Reduced
4	14:00	16:00	Reduced
5	16:00	22:00	Comfort
6	22:00	06:00	Reduced

Saturday and Sunday

Time phase	Start	End	Room temperature
1	07:00	08:00	Comfort
2	08:00	12:00	Comfort
3	12:00	14:00	Comfort
4	14:00	18:00	Comfort
5	18:00	23:00	Comfort
6	23:00	07:00	Reduced

Time program 3 – Prog 3

Monday to Friday

Time phase	Start	End	Room temperature
1	06:00	08:00	Comfort
2	08:00	12:00	Eco
3	12:00	14:00	Comfort
4	14:00	18:00	Eco
5	18:00	23:00	Comfort
6	23:00	06:00	Reduced

5461 065 GB

12

Selecting the operating mode (cont.)

Saturday and Sunday

Time phase	Start	End	Room temperature
1	07:00	08:00	Comfort
2	08:00	12:00	Comfort
3	12:00	14:00	Comfort
4	14:00	18:00	Comfort
5	18:00	23:00	Comfort
6	23:00	07:00	Reduced

Frost protection mode

If you do not want to heat the interior but would like to have frost protection.
Central heating starts if the room temperature falls below 5 °C.

Note
*DHW heating is **OFF**.*

1. Open the flap.

2. Press ☰ **twice**.

3. Select **"Frost pr."** with ▼/▲.

4. Confirm with **OK**.
The display shows ❄ and the current room temperature.

"Manual" (operation with constant room temperature)

Central heating operates **continuously** with the selected temperature.

1. Open the flap.

2. Press ☰ **twice**.

3. Select **"Manual"** with ▼/▲.

4. Confirm **twice** with **OK**.

> *Note*
> *At this point, you can also start or stop DHW heating during this operating mode (see chapter "DHW heating").*

5. Set the required room temperature with ▼/▲ (at least 10 °C).

6. Confirm with **OK**.
The display shows ☝ and the current room temperature.

Central heating

Setting a permanent room temperature

You can select the following temperatures:
- Room temperature **"Comfort"** (standard room temperature)
  Setting in the delivered condition: 21 °C
  Setting range: 10 to 40 °C
- Room temperature **"Eco"**
  Setting in the delivered condition: 19 °C
  Setting range: 10 to 40 °C
- Reduced room temperature **"Reduced"**
  Setting in the delivered condition: 16 °C
  Setting range: 10 to 40 °C

1. Open the flap.

2. Press ☰ **twice**.

3. Select **"Settings"** with ▼/▲.

4. Confirm with **OK**.

5. Select **"Tmp settings"** with ▼/▲.

6. Confirm with **OK**.

7. Set the required temperature for **"Comfort"** with ▼/▲.

8. Confirm with **OK**.

9. Set the required temperature for **"Eco"** with ▼/▲.

10. Confirm with **OK**.

11. Set the required temperature for **"Reduced"** with ▼/▲.

12. Confirm with **OK**.

Setting an individual time program

Setting time phases

In the preset time programs **"Prog 1"** to **"Prog 3"**, the day is split into 6 time phases.

However, you can also split the day into less than 6 time phases:
- For time phase 1, always select **"Time ph. 1"**.
  and
- For the last time phase, always select **"Time ph. 6"**.

Example:
In **"Prog. 3"**, you only want to enable 3 time phases. **"Comfort"** from 06:00 h to 10:00 h; **"Eco"** from 10:00 h to 22:00 h; and **"Reduced"** from 22:00 h to 06:00 h.
Select **"Time ph. 1"**, **"Time ph. 2"** and **"Time ph. 6"**.
Time phases 3, 4 and 5 are automatically disabled.

For every enabled time phase, the following must be entered:
- Start time
- Stop time
- Temperature (**"Comfort"**, **"Eco"**, **"Reduced"**)

5461 065 GB

Setting a permanent room temperature (cont.)

You can select time phases for several days (day groups) or for individual days:

■ **"MO–SU"** for the same time phases every day of the week
■ **"MO–FR"** for the same time phases Monday to Friday
■ **"SA–SU"** for the same time phases Saturday and Sunday
■ **"SINGLE DAY"** for different time phases for individual days

Note
Settings for individual days take priority over settings for several days.

1. Open the flap.

2. Press ☰ **twice**.

3. Select **"Settings"** with ▼/▲.

4. Confirm with **OK**.

5. Select **"Programs"** with ▼/▲.

6. Confirm with **OK**.

7. Select the program you want to change with ▼/▲ (e.g. **"Prog 1"**).

8. Confirm with **OK**.

9. Select **"Heating circuit"** with ▼/▲.

10. Confirm with **OK**.

11. Select **"Set"** with ▼/▲.

12. Confirm with **OK**.

13. Set the required group of days/individual day with ▼/▲.

14. Confirm with **OK**.

15. Set the required time phase or initially the required day with ▼/▲.

16. Confirm with **OK**.

17. With ▼/▲ set the required start time, stop time and the temperature, one after the other (e.g.**"Reduced"**).

18. Confirm respectively with **OK**.

19. Proceed as described in points 15 to 18 to set further time phases.

Note
Should gaps be created between the time phases, these are closed automatically by extending the previous time phase.

Disabling time phases

To disable a time phase, set the same value for the start and stop times.

Copying a time program

You can copy time programs, for example to make a new time program from another where only minor changes are required.

1. Open the flap.

2. Press ☰ **twice**.

3. Select **"Settings"** with ▼/▲.

4. Confirm with **OK**.

5. Select **"Programs"** with ▼/▲.

▶▶

Central heating

Setting a permanent room temperature (cont.)

6. Confirm with **OK**.

7. Select the program you want to change with ▼/▲ (e.g. **"Prog 1"**).

8. Confirm with **OK**.

9. Select **"Heating circuit"** with ▼/▲.

10. Confirm with **OK**.

11. Select **"Copy from"** with ▼/▲.

12. Confirm with **OK**.

13. Select the program you want to copy with ▼/▲.

14. Confirm with **OK**.

15. Select **"Set"** to make changes with ▼/▲.

Changing the room temperature for a few days only

Setting the holiday program

For when you are away, the following energy saving options are available:
- You can shut central heating down completely by selecting frost protection mode **"Frost pr."** (see page 13). **or**
- You can set central heating to minimum energy consumption (e.g. to prevent your house plants from being damaged by cold). For this, select the holiday program "▦".
When the holiday program is enabled, the rooms are heated with the reduced room temperature (**"Reduced"**). During the holiday program, you can change the reduced room temperature to suit your requirements (see page 14).

Note
*DHW heating is **OFF**.*

1. Open the flap.

2. Press ▤ **twice**.

3. Select **"Holiday"** with ▼/▲.

4. Confirm with **OK**.

5. Select **"ON"** with ▼/▲.

6. Confirm with **OK**.

7. With ▼/▲ select the required day and time for start and end of the holiday program.

8. Confirm respectively with **OK**.

Terminating the holiday program
- The holiday program terminates automatically when the end time has been reached.
- If you want to delete the holiday program early:

1. Open the flap.

5461 065 GB

Changing the room temperature for a few days… (cont.)

2. Press ☰ **twice**.

3. Select **"Holiday"** with ▼/▲.

4. Confirm with **OK**.

5. Select **"OFF"** with ▼/▲.

Changing the room temperature for a few hours only

You can change the room temperature for a few hours without permanently altering the settings.
The modified temperature remains enabled until the next changeover within a program or until the next program change.

If you want to **raise** the room temperature unexpectedly:
■ In programs **"Prog 1"** to **"Prog 3"** and **"Manual"**, increase the room temperature with ▲ (see next chapter).
or
■ Press 🍸 to select party mode (only in programs **"Prog 1"** to **"Prog 3"**; see page 17).

If you want to **reduce** the room temperature unexpectedly:
■ In programs **"Prog 1"** to **"Prog 3"** and **"Manual"**, reduce the room temperature with ▼ (see next chapter).
or
■ Press 💤 to select economy mode (only in programs **"Prog 1"** to **"Prog 3"**; see page 18).

Making changes with ▼/▲

1. Press ▼/▲.
The current set temperature will be displayed.

2. Set the required temperature with ▼/▲.

3. The value is accepted automatically after approx. 5 s.

Setting party mode

In party mode, the room temperature is increased automatically to 21 °C.
During party mode, you can change the room temperature to suit your requirements.

Note
*DHW heating is **ON**.*

1. Press 🍸 for approx. 5 s.
The display shows ⍓.

5461 065 GB

17

Changing the room temperature for a few hours… (cont.)

2. You can change the temperature with ▼/▲.

3. The value is accepted automatically after approx. 5 s.

Setting economy mode

In economy mode, the current room temperature is reduced automatically by 2 °C.
You can also set economy mode during reduced mode **"Eco"** and **"Reduced"**.
The lowest room temperature in economy mode is 10 °C.

Note
*DHW heating is **OFF**.*

1. Press ✿ for approx. 5 s.
The display shows ✿.

2. With ▼/▲ you can also change the temperature.

3. The value is accepted automatically after approx. 5 s.

Cancelling economy mode
■ Economy mode ends automatically the next time the heating program changes over.
■ Press ✿ again for approx. 5 s if you want to terminate party mode early.

Cancelling party mode
■ Party mode ends automatically the next time the program changes over.
■ Press ㅁ again for approx. 5 s if you want to terminate party mode early.

Starting and stopping DHW heating

1. Open the flap.

2. Press **≡ twice**.

3. Select **"Manual"** with ▼/▲.

4. Confirm with **OK**.

5. With ▼/▲, select **"ON"** or **"OFF"** for **"DHW"**.

6. Confirm with **OK**.

Selecting the time program

You can choose between 3 preset time programs. They are saved in the programs **"Prog 1"** to **"Prog 3"** (see page 11).
In the time programs, there is a change-over between operating modes **"Enable"** and **"Block"**.

Note
You can change the time programs in accordance with your individual preferences (see page 21).

Preset time programs

Time program 1 – Prog 1

Monday to Friday

Time phase	Start	End	Operating mode
1	05:30	08:00	Enable
2	08:00	12:00	Enable
3	12:00	14:00	Enable
4	14:00	18:00	Enable
5	18:00	22:00	Enable
6	22:00	05:30	Block

Saturday and Sunday

Time phase	Start	End	Operating mode
1	06:30	08:00	Enable
2	08:00	12:00	Enable
3	12:00	14:00	Enable
4	14:00	16:00	Enable
5	16:00	23:00	Enable
6	23:00	06:30	Block

DHW heating

Time program 2 – Prog 2

Monday to Friday

Time phase	Start	End	Operating mode
1	05:30	08:00	Enable
2	08:00	12:00	Block
3	12:00	14:00	Block
4	14:00	15:30	Block
5	15:30	22:00	Enable
6	22:00	05:30	Block

Saturday and Sunday

Time phase	Start	End	Operating mode
1	06:30	08:00	Enable
2	08:00	12:00	Enable
3	12:00	14:00	Enable
4	14:00	18:00	Enable
5	18:00	23:00	Enable
6	23:00	06:30	Block

Time program 3 – Prog 3

Monday to Friday

Time phase	Start	End	Operating mode
1	05:30	08:00	Enable
2	08:00	12:00	Block
3	12:00	14:00	Block
4	14:00	15:30	Block
5	18:00	22:00	Enable
6	22:00	05:30	Block

Saturday and Sunday

Time phase	Start	End	Operating mode
1	06:30	08:00	Enable
2	08:00	12:00	Enable
3	12:00	14:00	Enable
4	14:00	18:00	Enable
5	18:00	23:00	Enable
6	23:00	06:30	Block

Selecting the time program (cont.)

Setting an individual time program

Setting time phases

In the preset time programs **"Prog 1"** to **"Prog 3"**, the day is split into 6 time phases.

For every enabled time phase, the following must be entered:
■ Start time
■ Stop time
■ Operating modes **"Enable"**, **"Block"**

You can select time phases for several days (day groups) or for individual days:
■ **"MO–SU"** for the same time phases every day of the week
■ **"MO–FR"** for the same time phases Monday to Friday
■ **"SA–SU"** for the same time phases Saturday and Sunday
■ **"SINGLE DAY"** for different time phases for individual days

Note
Settings for individual days take priority over settings for several days.

1. Open the flap.

2. Press ☰ **twice**.

3. Select **"Settings"** with ▼/▲.

4. Confirm with **OK**.

5. Select **"Programs"** with ▼/▲.

6. Confirm with **OK**.

7. Select the program you want to change with ▼/▲ (e.g. **"Prog 1"**).

8. Confirm with **OK**.

9. Select **"DHW"** with ▼/▲.

10. Confirm with **OK**.

11. Select **"Set"** with ▼/▲.

12. Confirm with **OK**.

13. Set the required group of days/individual day with ▼/▲.

14. Confirm with **OK**.

15. Set the required time phase or initially the required day with ▼/▲.

16. Confirm with **OK**.

17. With ▼/▲ set the required start time, stop time and the temperature, one after the other and the operating mode (e.g.**"Lock"**).

18. Confirm respectively with **OK**.

19. Proceed as described in points 15 to 18 to set further time phases.

    Note
    Should gaps be created between the time phases, these are closed automatically by extending the previous time phase.

DHW heating

Selecting the time program (cont.)

Disabling time phases

To disable a time phase, set the same value for the start and stop times.

Copying a time program

You can copy time programs, for example to make a new time program from another where only minor changes are required.

1. Open the flap.

2. Press ≡ **twice**.

3. Select **"Settings"** with ▼/▲.

4. Confirm with **OK**.

5. Select **"Programs"** with ▼/▲.

6. Confirm with **OK**.

7. Select the program you want to change with ▼/▲ (e.g. **"Prog 1"**).

8. Confirm with **OK**.

9. Select **"DHW"** with ▼/▲.

10. Confirm with **OK**.

11. Select **"Copy from"** with ▼/▲.

12. Confirm with **OK**.

13. Select the program you want to copy with ▼/▲.

14. Confirm with **OK**.

15. Select **"Set"** to make changes with ▼/▲.

Time and date

1. Open the flap.

2. Press ☰ **twice**.

3. Select **"Settings"** with ▼/▲.

4. Confirm with **OK**.

5. Select **"Standard settings"** with ▼/▲.

6. Confirm with **OK**.

7. Select **"Date - Time"** with ▼/▲.

8. Confirm with **OK**.

9. Set the current date and time with ▼/▲.

10. Confirm respectively with **OK**.

Summertime/wintertime

The changeover from summertime to wintertime and vice-versa is automatic. You can prevent this automatic change-over.

1. As described on page 23 select **"Date - Time"**.

2. With **OK** select **"Summertime ON"**.

3. Select **"OFF"** with ▼/▲.

4. Confirm with **OK**.

Selecting the language

1. Open the flap.

2. Press ☰ **twice**.

3. Select **"Settings"** with ▼/▲.

4. Confirm with **OK**.

5. Select **"Standard settings"** with ▼/▲.

6. Confirm with **OK**.

7. Select **"Language"** with ▼/▲.

8. Confirm with **OK**.

9. Select the required language with ▼/▲.

10. Confirm with **OK**.

Further adjustments

Renaming programs

You can individually rename programs **"Prog 1"** to **"Prog 3"**. The designation is limited to 5 characters.

1. Open the flap.

2. Press ☰ **twice**.

3. Select **"Settings"** with ▼/▲.

4. Confirm with **OK**.

5. Select **"Programs"** with ▼/▲.

6. Confirm with **OK**.

7. With ▼/▲ select the program you want to rename (e.g. **"Prog 1"**).

8. Confirm **twice** with **OK**.

9. Select **"Rename"** with ▼/▲.

10. Confirm with **OK**.

11. With ▼/▲ enter the required characters on line **"New name"**.

12. Confirm respectively with **OK**.

Temperature adjustment

The displayed room temperature can deviate from the actual room temperature if your Vitotrol 100 is installed in an unfavourable position, e.g. on an external wall or near a chimney. You can correct this temperature deviation with an adjustment.

Example:
The room temperature displayed by the Vitotrol 100 is 2 °C higher than the actual room temperature. The correction is then −2 °C.

1. Open the flap.

2. Press ☰ **twice**.

3. Select **"Settings"** with ▼/▲.

4. Confirm with **OK**.

5. Select **"Service"** with ▼/▲.

6. Confirm with **OK**.

7. With **OK** select the required value to be set for **"Ctrller offset"**.

8. Set the required value with ▼/▲.

9. Confirm with **OK**.

10. Exit the menu with ⮐.

Control characteristics

The hysteresis controller is factory-set.
The hysteresis value influences the start
and stop times for "Heating" and "Not
heating".
Example:
Set room temperature: 21 °C
Hysteresis: 0.6 °C (delivered condition).
Setting range: 0.2 to 1.0 °C.
Heating stops as soon as the actual
room temperature exceeds 21.3 °C.
Heating starts as soon as the actual
room temperature undershoots 20.7 °C.
You can change the control characteris-
tics by changing the hysteresis value.
Select a lower value if your system
responds too slowly.

1. Open the flap.

2. Press ☰ **twice**.

3. Select **"Settings"** with ▼/▲.

4. Confirm with **OK**.

5. Select **"Service"** with ▼/▲.

6. Confirm with **OK**.

7. Set the required hysteresis value with
   ▼/▲.

8. Confirm **twice** with **OK**.

9. Exit the menu with ⮌.

Scanning options

Scanning temperatures and further settings

1. Press ▤.

The display shows the following details:
■ Day
■ Date and time
■ Current program
■ Current room temperature

2. Call up the current set temperature with ▼/▲.

Scanning time programs

Time program for central heating on the current day for "Prog 1" to "Prog 3"

The display shows the time phases for the current day on a time slot graphic.

Example:
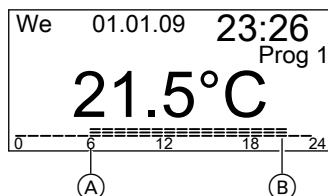
Central heating will operate from 06:00 Ⓐ to 22:00 h Ⓑ with standard room temperature (**"Comfort"**) and from 22:00 to 06:00 h with reduced room temperature (**"Reduced"**).

Scanning holiday program (if programmed)

1. Open the flap.

2. Press ▤ **twice**.

3. Select **"Holiday"** with ▼/▲.

4. Confirm with **OK**.
Start and end of the set holiday period are displayed.

Rooms are too cold

Cause	Remedy
Vitotrol 100 is incorrectly set.	Check settings and correct if required: ■ Program (see page 11) ■ Room temperature (see page 14) ■ Time (see page 23)
The wireless connection to the boiler control unit has failed.	Change the address code (see page 30).

Note
For further causes, see the boiler operating instructions.

Rooms are too hot

Cause	Remedy
The Vitotrol 100 is incorrectly set.	Check settings and correct if required: ■ Program (see page 11) ■ Room temperature (see page 14) ■ Time (see page 23)
The wireless connection to the boiler control unit has failed.	Change the address code (see page 30).

Note
For further causes, see the boiler operating instructions.

There is no hot water

Cause	Remedy
The Vitotrol 100 is incorrectly set.	Check settings and correct if required: ■ Starting DHW heating (see page 19) ■ Program (see page 21) ■ Operating mode (see page 19) ■ Time (see page 23)
The wireless connection to the boiler control unit has failed.	Change the address code (see page 30).

There is no hot water (cont.)

Note
For further causes, see the boiler oper-
ating instructions.

▬ flashes on the display

Cause	Remedy
The batteries are spent.	Change the batteries (see next chapter). The Vitotrol 100 has a power reserve of 3 min. If you replace the batteries within this time, all settings will be retained. After the power reserve has been exceeded, carry out a reset (see next chapter).
	Note *If the batteries are not changed in time, the display switches off.* *Central heating and DHW heating are carried out in line with the settings on the boiler control unit.*

Changing the batteries

Disposal
Batteries/rechargeable batteries should
not be disposed of in domestic waste.
Always dispose of spent batteries/
rechargeable batteries via an authorised
collection site.

■ Use only alkaline batteries, 1.5 V
  Mignon alkaline cells, type LR6/AA
  that do not contain noxious substan-
  ces.
■ Never use rechargeable batteries.
■ Replace **both** batteries every 18
  months.

Changing the batteries (cont.)
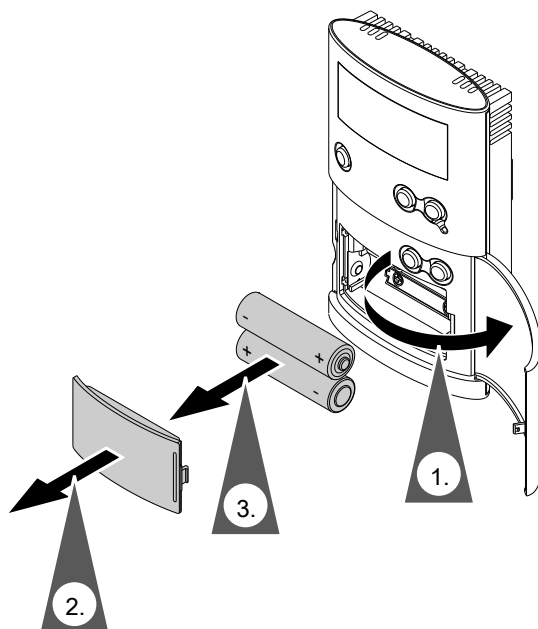
Reset
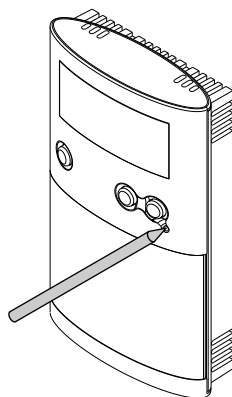
Press the reset button with a suitable instrument. After a reset, re-enter the language, time and date.

What to do if...

Changing the address code

Wireless receiver on the boiler
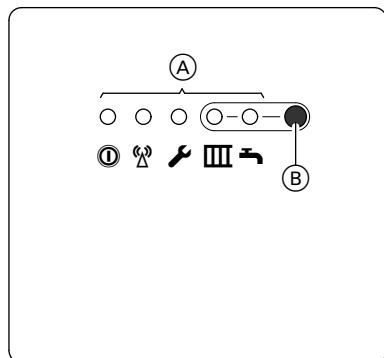
Once the address code is recognised, the LEDs extinguish; otherwise repeat the procedure.

Ⓐ LED

1. Press Ⓑ on the wireless receiver for approx. 10 s until LED ▥ flashes.

2. Open the flap of the Vitotrol 100.

3. Press ☰ **twice**.

4. Select **"Settings"** with ▼/▲.

5. Confirm with **OK**.

6. Select **"Service"** with ▼/▲.

7. Confirm **3 times** with **OK**.

8. Select **"Address code"** with ▼/▲.

9. Confirm with **OK**.
   After approx. 30 s the display shows **"Transmitting"**.
   The transmission takes approx. 30 s.
   During the transmission, LED ⦿ flashes briefly.

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Cleaning

This device can be cleaned with a commercially available domestic cleaning agent (non-scouring).

Energy saving tips

Use the Vitotrol 100 setting options:
■ Never overheat your rooms.
Every degree of room temperature reduction saves up to 6 % on your heating bills.
Never set your room temperature higher than 20 °C (see page 14).
■ Select the program that meets your current requirements:
– For short periods of absence (e.g. shopping trips), select **"Economy mode"** (see page 18).
As long as economy mode is activated, the room temperature is reduced and DHW heating is off.
– If you are going away, select the **"Holiday program"** (see page 16).
As long as the holiday program is activated, the room temperature is reduced and DHW heating is off.
– If you don't want to heat the interior and you don't require DHW for an extended period, select operating mode **"Frost pr."** (see page 13).

Further recommendations:
■ Correct ventilation/airing
Fully open windows for a short time and close the thermostatic valves while airing.
■ Close roller shutters (if installed) at dusk.
■ Set thermostatic valves correctly.

■ Never cover radiators or thermostatic valves.
■ Controlled DHW consumption: A shower generally uses less energy than a full bath.

Keyword index

Your contact

Contact your local contractor if you have any questions regarding the maintenance and repair of your system. You may, for example, find local contractors on the internet under www.viessmann.com.

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