Operating instructions

for the system user

Remote control for one or up to three heating circuits

VITOTROL 300A

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 for the heating system user.
This unit is **not** designed to be used by persons (including children) with limited bodily, sensory or mental capacities, or lacking experience and/or lacking knowledge, unless they are supervised by a person responsible for their safety, or have received instructions from such a person as to how to use the unit.

! **Please note**
Children should be supervised. Ensure that children do not play with the unit.

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

If you smell gas

⚠ **Danger**
Escaping gas can lead to explosions which may result in serious injury.
■ Do not smoke. Prevent naked flames and sparks. Never switch lights or electrical appliances ON or OFF.
■ Close the gas shut-off valve.
■ Open windows and doors.
■ Remove all people from the danger zone.
■ Notify your gas or electricity supplier and your heating contractor from outside the building.
■ Shut off the electricity supply to the building from a safe place (outside the building).

For your safety (cont.)

If you smell flue gas

Danger
Flue gas can lead to life-threatening poisoning.
- Shut down the heating system.
- Ventilate the boiler room.
- Close all doors in the living space.

In case of fire

Danger
Fire creates the risk of burning and explosions.
- Shut down the heating system.
- Close the shut-off valves of the fuel lines.
- Use a tested fire extinguisher, class ABC.

Boiler room requirements

Please note
Incorrect ambient conditions can lead to damage to the heating system and put the safe operation at risk.
- Ensure ambient temperatures above 0 ºC and below 35 ºC.
- 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 frequent drying of washing).
- Never close existing ventilation apertures.

Ancillary components, spare and wearing parts

Please note
Components that are not tested with the heating system may lead to damage to the heating system, or may affect their various functions.
Installation or replacement work must only be carried out by qualified personnel.

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Index (cont.)

Introductory information

Commissioning

Your remote control is connected to the Vitotronic boiler control unit. The commissioning and adjusting of the Vitotronic control unit to local conditions and to the physical characteristics of the building, plus the instruction in the system operation must be carried out by your heating contractor.

The settings made at the Vitotronic control unit are transferred to the remote control during commissioning.

The Vitotronic control unit is factory-set to **"Heating and DHW"**.

Central heating

- Between **6:00 and 22:00 h**, the rooms are heated to 20 °C **"Set room temperature"** (standard heating mode).
- Between **22:00 and 6:00 h**, the rooms are heated with the **"Set red. room temp"** reduced by 3 °C (reduced heating mode, frost protection).
- Your heating contractor can make further settings for you during commissioning.
  You can change any settings individually at any time to suit your requirements (see chapter "Central heating").

DHW heating

- Between **5:30 and 22:00 h**, DHW is heated to 50 °C **"Set DHW temperature"**. Any installed DHW circulation pump is ON.
- Between **22:00 and 05:30 h,** the DHW cylinder temperature will not be boosted. Any installed DHW circulation pump is OFF.
- Your heating contractor can make further settings for you during commissioning.
  You can change any settings individually at any time to suit your requirements (see chapter "DHW heating").

Winter/summertime changeover

- This changeover is automatic.

Power failure

- All data is saved if there is a power failure.

Terminology

The appendix contains chapter "Terminology" to provide you with a better understanding of the functions of your remote control.

Tips on saving energy

Use the setting options of the remote control:

■ Never overheat your rooms. Every degree by which the room temperature is reduced saves up to 6% on heating costs.
Set your room temperature no higher than 20 ºC (see page 14).
■ Never set the DHW temperature too high (see page 20).
■ Only activate the DHW circulation pump if DHW is drawn off. Set the time program for this (see page 22).
■ Select the heating program that meets your current requirements:
  – For short absences (e.g. shopping trips), select **"Economy mode"** (see page 17).
    As long as economy mode is activated, the room temperature is reduced.
  – If you are going away, set the **"Holiday program"** (see page 18).
    As long as the holiday program is activated, the room temperature is reduced and DHW heating is OFF.
  – In summer, when you don't want to heat any rooms but do need DHW, select the heating program **"Only DHW"** (see page 20).
  – If, for an extended period, you do not want to heat the rooms and you do not require DHW, select heating program **"Standby mode"**.

Further recommendations:
■ Correct ventilation/airing.
Briefly open windows fully and at the same time close the thermostatic valves .
■ 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.

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Operation

Operating information

The Vitotrol 300A remote control ena-bles the following adjustments to be made from the living space:
■ Standard room temperature
■ Reduced room temperature
■ DHW temperature
■ Operating and holiday program
■ Time phases for central heating
■ Time phases for DHW heating

■ Time phases for the DHW circulation pump (if installed)
■ Date and time
All other settings are transmitted from the Vitotrol 300A to the Vitotronic control unit and vice-versa. Always the **latest** adjustments apply to the respective heating circuit.

Controls
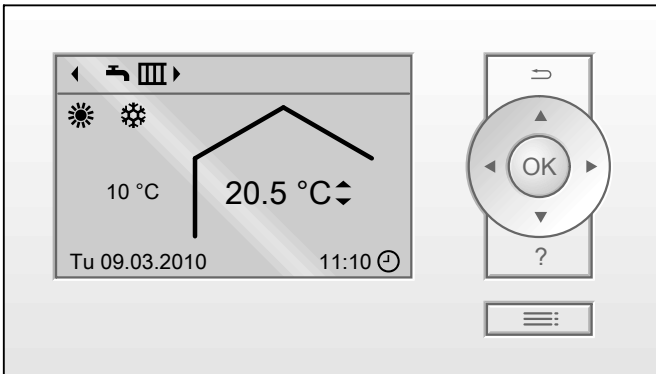
↪   This returns you to the previous step in the menu or cancels a set-ting that has been started
⌖   Cursor keys
     To scroll in the menu or set values

OK Confirms your selection or saves the setting
?   Calls up help texts for the selected menu option
☰   Calls up the menu

Menu "Help"

This displays a short guide giving an explanation of the controls and informa-tion about heating circuit selection (see page 13).

Call up the short guide as follows:
■ The standard display then appears (see following chapter):
  Press ?.
■ You will be somewhere in the menu:
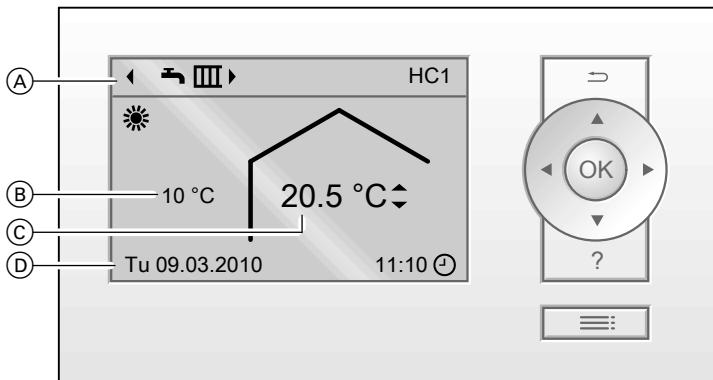 Press ↪ until the standard display is shown (see the following chapter).

Controls (cont.)

Press **?**.

Menu

Two control levels are available, the
"Standard menu" (standard display) and
the "Extended menu".

Standard menu (standard display)

(A) Header (displays the heating pro-
gram and the heating circuit)
(B) Current outside temperature

(C) Current room temperature (actual
room temperature)
(D) Information line

Note
You can change the following:
- *The header display, see page 25.*
- *The information line display, see
page 26.*

In the standard menu, you can adjust
and scan the settings **used most fre-
quently**:
- Set room temperature for the heating
circuit shown in the header

  Press the following keys:
  ▶/◀ for the required value.
  OK to confirm.
- Heating program for the heating circuit
shown in the header

Operation

Menu (cont.)

Heating programs:
- ☼ Standby mode with frost protection
- ⌐ Only DHW
- ⌐▥ Heating and DHW

Press the following keys:
- ▲/▼ for the required heating program.
- **OK** to confirm.

Symbols on the display

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

Heating program
- ☼ Standby mode with frost protection
- ⌐ Only DHW
- ⌐▥ Heating and DHW

Displays
- ❅ Frost protection monitoring
- ❄ Central heating with standard temperature

Note
Proceed as described on page 14 for any other heating circuits that may be connected.

- ☽ Central heating with reduced temperature
- ⍦ Party mode enabled
- ⚲ Economy mode enabled
- ⚡ In conjunction with a solar thermal system:
  Solar circuit pump running
- ☉ Current time

Messages
- �’ Service message
- ⚠ Fault message

Menu (cont.)

Extended menu
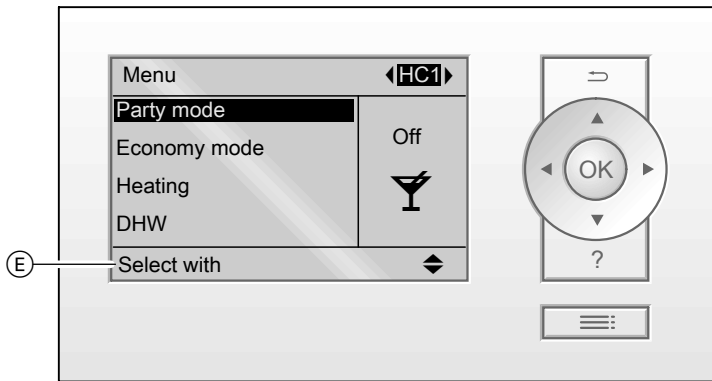
E   Dialogue line

In the "Extended menu", you can adjust and scan the settings from the control unit's range of functions **used less frequently**, e.g. holiday program and time programs.

The menu overview can be found on page 35.
Call up the extended menu with ☰, irrespective of where in the menu you are.

How to use the controls

The display backlighting will be active if you have not adjusted any settings at the remote control for a few minutes, subject to having been switched on in the first place (see page 24).

1. Press any key. This take you to the standard menu (standard display) (see page 9).

2. Press ☰. This take you to the extended menu (see page 11). The selected menu option is highlighted against a black background. The dialogue line E (see Fig. on page 11) then shows the necessary instructions.

The following example demonstrates the method for adjusting the set room temperature for heating circuits 1 and 2.

Operation

How to use the controls (cont.)

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Required settings (central heating)

If you want central heating, check the following points:
- Have you selected the heating circuit? For settings, see the next chapter.
- Have you set the required room temperature? For settings, see page 9 or 14.
- Have you set the correct heating program? For settings, see page 9 or 14.
- Have you set the required time program? For settings, see page 15.

Selecting a heating circuit

The heating of all rooms can, if necessary, be split over several heating circuits.
- In the case you are controlling several heating circuits with your remote control, for all central heating settings, **first** select the heating circuit for which you want to make a change.
- This selection is not available if you are controlling only one heating circuit.

Example:
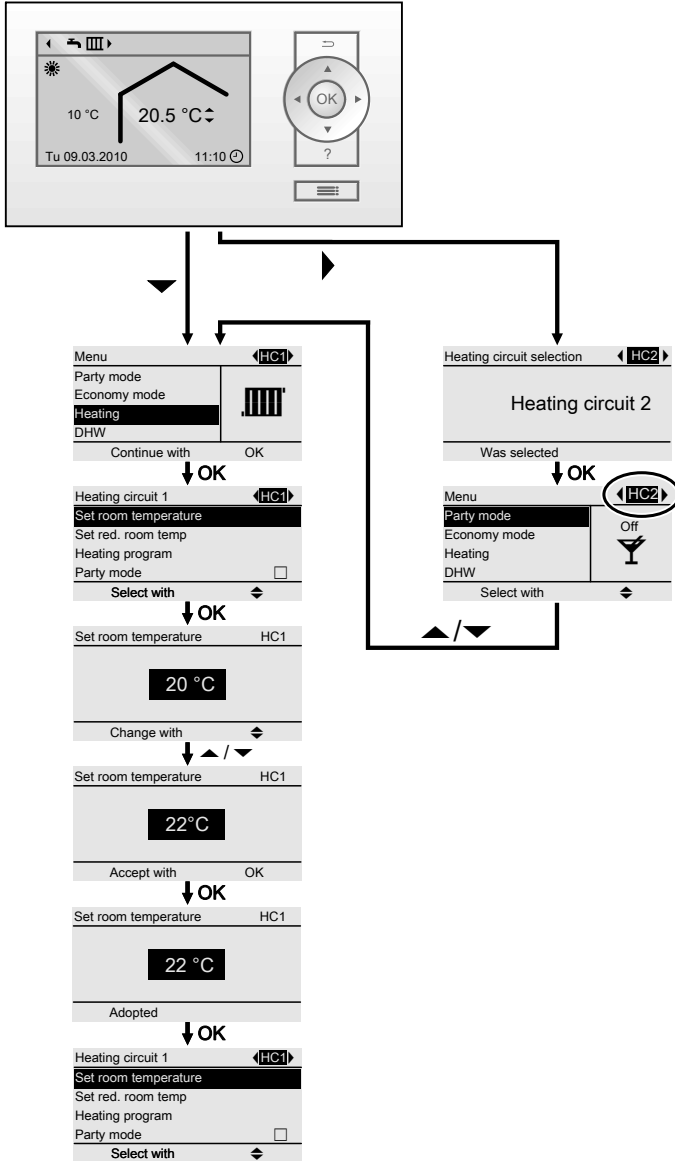- **"Heating circuit 1"** is the heating circuit for the rooms occupied by you.
- **"Heating circuit 2"** is the heating circuit for the rooms of a separate apartment.

The heating circuits are marked at the factory as **"Heating circuit 1"** (**HC1**), **"Heating circuit 2"** (**HC2**) and **"Heating circuit 3"** (**HC3**).
If your heating contractor have renamed the heating circuits at the Vitotronic control unit (e.g. as "Apartment" etc.), that designation is then displayed instead of **"Heating circuit ..."**.

Extended menu
1. ☰ for settings.
2. ▶/◀ for the required heating circuit.

Menu	◀HC1▶	Select heating circuit	◀HC2▶
Party mode	Off		
Economy mode		Heating circuit 2	
Heating			
DHW			
Select with		Was selected	
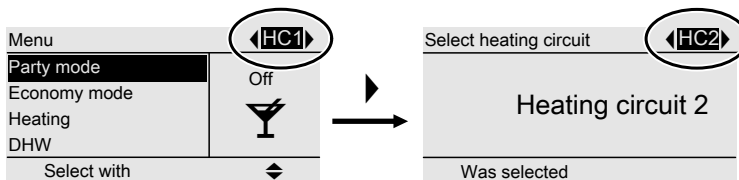
Note
If your return to the standard menu with ⤶, the header will again display "HC1". For changes to the heating circuit display in the header, see page 25.

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Central heating

Setting the room temperature

Setting the room temperature for standard heating mode

Factory setting: 20 °C

For the heating circuit displayed in the header

Standard menu
1. ▲/▼ for the required value.
2. **OK** as confirmation.
   The standard menu (standard display) is shown after a short time.

For the other heating circuits

Extended menu
1. ☰:
2. Select the heating circuit (see page 13).
3. **"Heating"**
4. **"Set room temperature"**
5. Set the required value.

Setting the room temperature for reduced heating mode (night set-back)

Factory setting: 3 °C

Extended menu
1. ☰:
2. Select the heating circuit (see page 13).
3. **"Heating"**
4. **"Set red. room temp"**
5. Set the required value.

The rooms are heated to this temperature:
■ Between the time phases for standard heating mode (see page 15).
■ In the holiday program (see page 18).

Setting the heating program for central heating

Factory setting: **"Heating and DHW"**

For the heating circuit displayed in the header

Standard menu
1. ▶/◀ for the required heating program.
2. **OK** as confirmation.
   The standard menu (standard display) is shown after a short time.

For the other heating circuits

Extended menu
1. ☰:
2. Select the heating circuit (see page 13).
3. **"Heating"**
4. **"Heating program"**
5. **"Heating and DHW"**

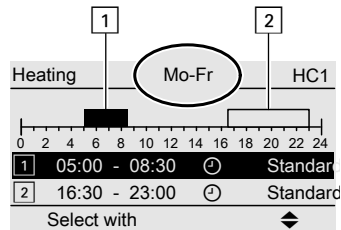## Setting the heating program for central heating (cont.)

- The rooms of the selected heating cir-
  cuit are heated in accordance with the
  room temperature and time program
  specifications.
- DHW is boosted in accordance with
  the set DHW temperature and time
  program defaults.

Setting the time program for central heating

- The time program for central heating is
  made up of 4 time phases.
  In the extended menu, you can scan
  the current time program under **"Infor-
  mation"** (page 26).
- You can set the time program **individ-
  ually**.
  You can select up to 4 time phases per
  day for standard heating mode. Set the
  start and end points for each time
  phase. Between these time phases,
  the rooms are heated to the reduced
  room temperature (see page 14).
- When setting, bear in mind that your
  heating system requires some time to
  heat the rooms to the required tem-
  perature.

Extended menu:
1. ☰:
2. **"Heating"**
3. Select the heating circuit, if necessary
   (see page 13).
4. **"Heating time program"**
5. Select the part of the week or the indi-
   vidual day.
6. Select the time phase ⬚1, ⬚2, ⬚3 or
   ⬚4.
7. Set the start and end points for the
   relevant time phase.

Example shown:
- Time program for Monday to Friday
  (**"Mo-Fr"**)
- Time phase ⬚1:
  From 5.00 to 8.30 h
- Time phase ⬚2:
  From 16.30 to 23.00 h

Example:
You want to set the same time program
for every day except Monday:
Select the period **"Monday–Sunday"**
and set the time program.
Then select **"Monday"** and set the time
program for this.

Note
*If you want to terminate the setting proc-
ess prematurely, keep pressing ⮌ until
the required display appears.*

Central heating

Setting the time program for central heating (cont.)

Deleting a time phase

Set the time for the end point to the same time that was set for the start point. The display shows the selected time phase **"- - : - -"**.

```
Heating    Mo-Fr                HC1

  0  2  4  6  8 10 12 14 16 18 20 22 24
 2   - -:- -  - - -:- -              - - -
 3   - -:- -  - - -:- -      ⏱       - - -
  Accept with                    OK
```

Disabling central heating

For the heating circuit displayed in the header

Standard menu
1. ▶/◀ for the heating program **"Only DHW"** (summer mode, no central heating)
   or
   "Standby mode" (frost protection monitoring).
2. **OK** as confirmation.
   The standard menu (standard display) is shown after a short time.

For the other heating circuits

Extended menu
1. ☰
2. Select the heating circuit (see page 13).
3. **"Heating"**

4. **"Heating program"**
5. **"Only DHW"** (summer mode, no central heating)
   or
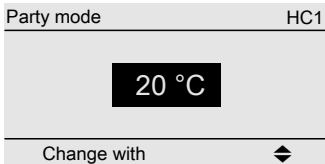   **"Standby mode"** (frost protection monitoring)

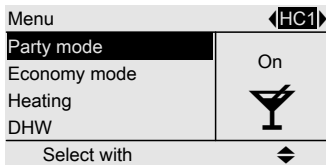## Comfort and energy saving functions

Selecting the comfort function

With this function, you can change the room temperature for several hours, e.g. if guests unexpectedly stay longer in the evening.

Extended menu
1. ≡:
2. Select the heating circuit, if necessary (see page 13).
3. **"Party mode"**

```
Party mode                    HC1


              20 °C


     Change with          ⬍
```

4. Set the required room temperature during party mode.

```
Menu                    ◀HC1▶
Party mode
Economy mode           On
Heating
DHW                     Y
     Select with        ⬍
```

- The rooms are heated to the required temperature.
- DHW is boosted to the specified set temperature.

Ending the comfort function

- Automatically after 8 hours
  or
- Automatically when the system switches to standard heating mode in accordance with the time program
  or
- In the extended menu, set **"Party mode"** to **"OFF"**.

Select economy function "Economy mode"

To save energy, you can reduce the room temperature during standard heating mode, for example, if you leave the house for a few hours.

Extended menu
1. ≡:
2. Select the heating circuit, if necessary (see page 13).
3. **"Economy mode"**

Comfort and energy saving functions

Comfort and energy saving functions (cont.)

Menu	◀ HC1 ▶
Party mode	On
Economy mode	
Heating	⊙
DHW	🐷
Select with	⬍

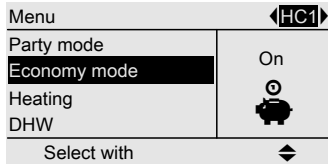### End economy mode

- Automatically when the system switches to reduced heating mode in accordance with the time program.
- In the extended menu, set **"Economy mode"** to **"OFF"**.

Select economy function "Holiday program"

To save energy, for example over long holidays, you can activate the **"Holiday program"**.
The holiday program affects **all** heating circuits. If you want to make changes, contact your local heating contractor.
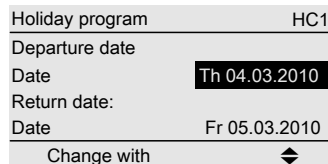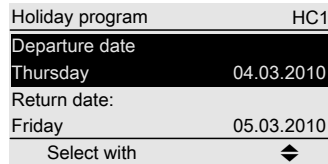
Depending on the heating program selected (see page 14), the holiday program may have various effects:
- Heating program **"Heating and DHW"** is set:
  The rooms are heated to the specified reduced room temperature (see page 14). DHW heating is switched OFF.
- Heating program **"Only DHW"** is set:
  Frost protection for the boiler and the DHW cylinder is enabled.

Extended menu:
1. ☰
2. **"Heating"**

3. **"Holiday program"**

Holiday program	HC1
Departure date	
Thursday	04.03.2010
Return date:	
Friday	05.03.2010
Select with	⬍

Holiday program	HC1
Departure date	
Date	Th 04.03.2010
Return date:	
Date	Fr 05.03.2010
Change with	⬍

4. Set the required departure and return dates.

Note
The holiday program will only be enabled when the departure and arrival dates have been confirmed with OK.

Heating circuit 1	◀ HC1 ▶
Party mode	☐
Economy mode	☐
Heating time program	
Holiday program	☑
Select with	⬍

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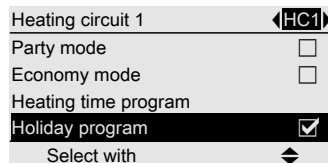
Comfort and energy saving functions (cont.)

**Terminating or deleting a holiday pro-
gram**

Extended menu
1. ☰:
2. **"Heating"**
3. **"Holiday program"**
4. **"Delete program"**

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DHW heating

Required settings (DHW heating)

If you want DHW heating, check the following points:
- Have you selected the required set DHW temperature?
  For settings, see the next chapter.

- Have you set the correct heating program?
  For settings, see page 20 or 9.

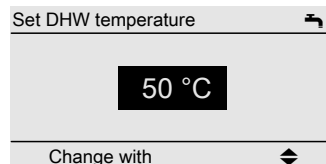- Have you set the required time program?
  For settings, see page 21.

Setting the DHW temperature

Extended menu
1. ☰
2. **"DHW"**

Menu	
Economy mode	50 °C
Heating	
DHW	🚰
Solar energy	
Continue with	OK

3. **"Set DHW temperature"**

Set DHW temperature	↰
50 °C	
Change with	⬍

4. Set the required value.

Setting the heating program for DHW heating

Note
*The DHW heating affects **all** heating circuits. If you want to make changes, contact your local heating contractor.*

For the heating circuit displayed in the header

Standard menu
1. Summer mode ▶/◀ for the heating program **"Only DHW"**
2. **OK** as confirmation.
   The standard menu (standard display) is shown after a short time.

Setting the heating program for DHW heating (cont.)

For the other heating circuits

Extended menu
1. ☰:
2. Select the heating circuit (see page 13).
3. **"Heating"**

4. **"Heating program"**
5. **"Heating and DHW"** (with central heating)
   or
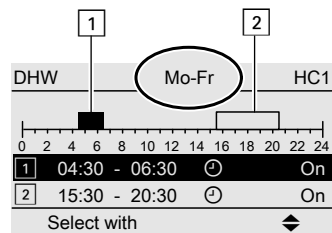   **"Only DHW"** (summer mode, no central heating)

Setting the time program for DHW heating

■ The time program for DHW heating is made up of 4 time phases.
  In the extended menu, you can scan the current time program under **"Information"** (see page 26).
■ You can select **Automatic mode** for DHW heating. This means that, in standard heating mode (see page 15), the DHW is boosted to the set temperature. To ensure that hot water is available at the start of standard heating mode, the time phase for DHW heating begins automatically half an hour earlier than the time phase for standard heating mode.
■ If you don't want the automatic mode, you can select up to four **individual** time phases per day for DHW heating. Set the start and end points for each time phase.
■ When setting, bear in mind that your heating system requires some time to heat the DHW to the required temperature.

Extended menu:
1. ☰:
2. **"DHW"**
3. **"DHW time program"**
4. **"Individual"**

5. Select the part of the week or the individual day.
6. Select the time phase 1, 2, 3 or 4.
7. Set the start and end points for the relevant time phase

Example shown:
■ Time program for Monday to Friday (**"Mo-Fr"**)
■ Time phase 1:
  From 4.30 to 6.30 h
■ Time phase 2:
  From 15:30 to 20:30 h

Example:
You want to set the same time program for every day except Monday:
Select the period **"Monday–Sunday"** and set the time program.

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DHW heating

Then select **"Monday"** and set the time program for this.

Note
If you want to terminate the setting process prematurely, keep pressing ⏎ until the required display appears.

Deleting a time phase

Set the time for the end point to the same time that was set for the start point. The display shows the selected time phase **"- - : - -"**.

DHW	Mo-Fr	HC1
0 2 4 6 8 10 12 14 16 18 20 22 24		
2 - -:- - - - -:- -	🕐	---
3 - -:- - - - -:- -	🕐	---
Accept with		OK

DHW heating once, no longer in the time program

Note
*At least one heating circuit of your system must not be in **"Standby mode"**.*

Extended menu
1. ☰
2. **"Heating"**
3. Select the heating circuit, if necessary (see page 13).
4. **"Party mode"**
5. Disable **"Party mode"** again with **"OFF"**, to prevent unintentional central heating with standard room temperature.

Heating system with DHW circulation pump

For further information about the DHW circulation pump, see chapter "Terminology".
■ **Automatic mode** is set for the DHW circulation pump time program. In other words, the cylinder DHW circulation operates parallel to the DHW heating time program (see page 21).
■ You can scan the current time program in the extended menu **"Information"** (see page 26).
■ If you don't want the automatic mode, you can select up to four **individual** time phases per day for the DHW circulation pump. Set the start and end points for each time phase.

Note
Also, enabling the DHW circulation pump is only advisable for those times when DHW is actually drawn.

Extended menu:
1. ☰
2. **"DHW"**
3. **"DHW circ time prog"**
4. **"Individual"**
5. Select the part of the week or the individual day.
6. Select the time phase 1, 2, 3 or 4.
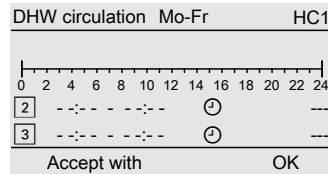7. Set the start and end points for the relevant time phase.

Setting the time program for DHW heating (cont.)

Note
*If you want to terminate the setting proc-
ess prematurely, keep pressing ⏎ until
the required display appears.*

**Deleting DHW circulation pump time
phase**

Set the time for the end point to the same
time that was set for the start point. The
display shows the selected time phase
"- - : - -".

```
DHW circulation   Mo-Fr              HC1


|----|----|----|----|----|----|----|----|----|----|----|----|
0   2   4   6   8  10  12  14  16  18  20  22  24
 2    - -:- - - - -:- -        🕐                ---
 3    - -:- - - - -:- -        🕐                ---
      Accept with                    OK
```

Stopping DHW heating

**You do not want to have DHW or heat
your rooms.**

**For the heating circuit displayed in
the header**

Standard menu
1. ▶/◀ for the heating program **"Standby
   mode"** (frost protection monitoring).
2. **OK** as confirmation.
   The standard menu (standard dis-
   play) is shown after a short time.

For the other heating circuits

Extended menu
1. ☰
2. Select the heating circuit (see
   page 13).
3. **"Heating"**
4. **"Heating program"**
5. **"Standby mode"** (frost protection
   monitoring).

**You do not want DHW, but do want to
heat the rooms.**

Extended menu
1. ☰
2. Select the heating circuit (see
   page 13).
3. **"Heating"**
4. **"Heating program"**
5. **"Heating and DHW"**
6. ⏎ until the menu is displayed.
7. **"DHW"**
8. **"Set DHW temperature"**
9. Set 10 °C.

Further adjustments

Setting the time and date

The time and date are factory-set. If your remote control has been shut down for a long time, it may be necessary to set the time and date again.

Extended menu
1. ☰:
2. **"Settings"**

3. **"Time/Date"**
4. Set the time and date.

Language selection

Extended menu
1. ☰:
2. **"Settings"**

3. **"Language"**
4. Select the required language.

Setting the display contrast

Extended menu
1. ☰:
2. **"Settings"**

3. **"Contrast"**
4. Set the required contrast.

Setting the display brightness

If you would like the texts in the menu to be more clearly legible, change the brightness level.

Extended menu
1. ☰:
2. **"Settings"**
3. **"Brightness"**
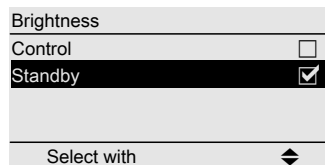4. **"Control"**
5. Set the required brightness.

In addition you can choose, whether the display backlighting should be switched off or on in standby mode.

Extended menu
1. ☰:
2. **"Settings"**
3. **"Brightness"**
4. **"Standby"**

Brightness	
Control	☐
Standby	☑
Select with	⬍

Changing the standard display

You want to have details about heating circuit 2 (HC2) or heating circuit 3 (HC3) displayed in the header of the standard menu (standard display) (see page 9).

Extended menu
1. ☰
2. **"Settings"**

3. **"Standard display"**
4. Select the heating circuit.

Restoring factory settings

You can restore the factory settings for each heating circuit separately.

Extended menu
1. ☰
2. **"Settings"**
3. **"Standard setting"**
4. **"Heating circuit 1"**, **"Heating circuit 2"** or **"Heating circuit 3"**

The following settings and values are reset:
■ Set room temperature
■ Set DHW temperature
■ Time program for central heating
■ Time program for DHW heating
■ Time program for DHW circulation pump
■ Party mode terminates
■ Economy mode terminates
■ Holiday program terminates or is deleted

Scanning

Scanning information

Subject to the connected components and settings made, you can scan current temperatures (actual temperatures) and operating conditions.

The extended menu divides the information into groups:
■ **"General"**
■ **"Heating circuit 1"**
■ **"Heating circuit 2"**
■ **"Heating circuit 3"**
■ **"DHW"**
■ **"Solar"**
■ **"Reset data"**

Note
The designation of the heating circuit will be displayed if heating circuits have been designated.
*For details regarding scanning options for the individual groups, see page 37.*

Extended menu
1. ▤:
2. **"Information"**
3. Select the group.
4. Select the required scan.

Adopting information into the standard menu (standard display)

If you are in the **"Information"** menu, you can adopt the selected information into the information lines (see page 9). This is information where the dialogue line shows (see page 11) **"Adopt with OK"**.

ⓘ General	
Outside temperature	14 °C
Boiler temperature	60 °C
Common flow temp	39 °C
Burner stage 1	Off
Accept with	OK
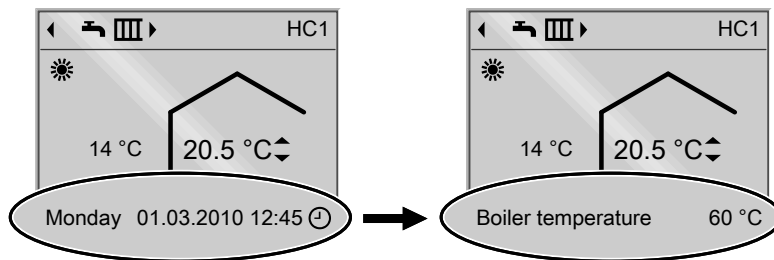
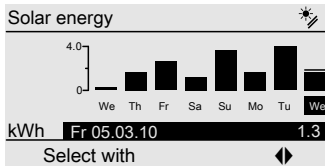## Scanning in conjunction with solar thermal systems

Extended menu
1. ▤:
2. **"Solar energy"**

The solar energy yield for the past 7 days is displayed in a diagram.

The flashing line in the diagram indicates that the current day is not yet complete.

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Scanning information (cont.)

Solar energy

Note
*Further scanning options, e.g. for the hours run by the solar circuit pump, can be found in the extended menu in the **"Solar"** group (see page 38)).*

Resetting data

You can reset the following data individually:
- Burner hours run
- Fuel consumption, if set by your heating contractor
- In conjunction with a solar thermal system:
  Solar yield and the hours run by the solar circuit pump

You can also select **"All details"** and reset them together.

Extended menu
1. ▤
2. **"Information"**
3. **"Reset data"**

Scanning the service messages

If your heating system is due for a service, the symbol 🔧 flashes in the display, and **"Service"** appears.
1. You can call up the reason for the service with **OK**.

2. Pressing **?** calls up information on the service that is due.

3. If you want to acknowledge the service message, follow the instructions in the menu.
   The service message is adopted into the **"Service"** menu.

4. Notify your heating contractor.

Note
If the service can only be carried out at a later date, the service message is displayed again the following Monday.

Scanning

Scanning the service messages (cont.)

**Calling up an acknowledged service
message**

Extended menu
1. ▤
2. **"Service"**

Scanning fault messages

If faults have occurred on your heating
system, the symbol ⚠ flashes in the dis-
play, and **"Fault"** appears.

1. You can call up the cause of the fault
with **OK**.

Fault	18
Fault	20

Acknowledge with   OK

2. Make a note of the fault code. In this
example: **"Fault 18"** and **"Fault 20"**.
This enables the heating contractor to
be better prepared for the service call
and may save additional travelling
costs.

> For further details regarding
> the cause of the fault, see the
> operating instructions of the
> Vitotronic control unit.

3. If you want to acknowledge the fault
message, follow the instructions in the
menu.
The fault message is adopted to the
"Fault" menu.

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Scanning fault messages (cont.)

```
Menu                        HC1
Fault
Party mode                  ⚠
Economy mode
Heating
     Continue with        OK
```

Note
*If the cause of the fault can only be
removed at a later time, the fault mes-
sage will be redisplayed the following
day.*

**Calling up an acknowledged fault
message**

Extended menu
1. ☰
2. **"Fault"**

What to do if...

Rooms are too cold

Cause	Remedy
Remote control incorrectly set.	Check and correct settings if required: ■ **"Heating and DHW"** must be selected (see page 14). ■ Room temperature (see page 14) ■ Time (see page 24) ■ Time program (see page 15).
Only when operating with DHW heating: DHW priority is enabled.	Wait until the DHW cylinder has been heated up. In the case of operation with an instantaneous water heater, stop DHW draw-off.
No fuel.	With oil/LPG: Check the fuel reserves and re-order if required. With natural gas: Open the gas shut-off valve. If necessary, check with your gas supply utility.
"Fault" is displayed.	Scan and acknowledge the type of fault (see page 28). If necessary, notify your heating contractor.

Rooms are too hot

Cause	Remedy
Remote control incorrectly set.	Check and correct settings if required: ■ Room temperature (see page 14) ■ Time (see page 24) ■ Time program (see page 15).
"Fault" is displayed.	Scan and acknowledge the type of fault (see page 28). If necessary, notify your heating contractor.

There is no hot water

Cause	Remedy
Remote control incorrectly set.	Check and correct settings if required: ■ DHW heating must be enabled (see page 20). ■ Set DHW temperature (see page 20) ■ Time program (see page 21). ■ Time (see page 24)
No fuel.	With oil/LPG: Check the fuel reserves and re-order if required. With natural gas: Open the gas shut-off valve. If necessary, check with your gas supply utility.
"Fault" is displayed.	Scan and acknowledge the type of fault (see page 28). If necessary, notify your heating contractor.

The DHW is too hot

Cause	Remedy
Remote control incorrectly set.	Check and correct the set DHW temperature, if required (see page 20).

"⚠" flashes and "Fault" is displayed

Cause	Remedy
Heating system fault.	Proceed as described on page 28.

"🔧" flashes and "Service" is displayed

Cause	Remedy
The time for a service, as specified by your heating contractor, has arrived.	Proceed as described on page 27.

What to do if...

"Screed drying" is displayed

Cause	Remedy
The screed function is enabled.	Wait until this function has terminated.

"External hook-up" is displayed

Cause	Remedy
The heating program has been changed over by an external control device (e.g. connection extension).	No remedy is required. The heating program changeover was manually selected.

"External program" is displayed

Cause	Remedy
The heating program was changed over by the Vitocom 100 communication interface.	You can change the heating program. Follow the instructions in the menu.

"Ext. set room temp" is displayed

Cause	Remedy
A set room temperature was hooked up via the Vitocom 300 communication interface. You can change the standard room temperature (see page 14). This cancels the external hook-up.	—

"Restock" is shown on the display

Cause	Remedy
The pellet hopper is empty.	Recharge the hopper.

"Close ash door" is shown on the display

Cause	Remedy
Ash door is open.	Close the ash door.

"Close charge door" is shown on the display

Cause	Remedy
The charge door is open.	Close the charge door.

"Recharge" is shown on the display

Cause	Remedy
There is no fuel.	Recharge with fuel.

"Do not recharge" is shown on the display

Cause	Remedy
Sufficient fuel is available in the combustion chamber.	—

Maintenance

Cleaning

All equipment can be cleaned with a
commercially available domestic clean-
ing agent (non-scouring).

Menu overview

Extended menu

Extended menu (see page 11)

Menu overview (cont.)

Party mode

Economy mode

Heating
- Set room temperature
- Set red. room temp
- Heating program
- Party mode
- Economy mode
- Heating time program
- Holiday program

DHW
- Set DHW temperature
- DHW time program
- DHW circ. time prog

Solar energy

Information
- General
- Heating circuit 1   HC1
- Heating circuit 2   HC2
- Heating circuit 3   HC3
- DHW
- Solar
- Reset data

Detailed scanning options see following page

Settings
- Time/Date
- Language DE
- Contrast
- Brightness
- Standard display
- Standard setting

Heating and DHW
Only DHW
Standby mode

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Menu overview (cont.)

Scanning options in the extended menu

Note
Subject to the actual equipment level, not all of the scans listed here may be available.

General

"Outside temperature"
"Boiler temperature"
"Common flow temp"
"Flue gas temperature"
"Burner"
"Hours run"
"Burner stage 1"
"Hours run"
"Burner stage 2"
"Hours run"
"Fuel consumption" (only for oil boilers)
"Subscriber no."
"Time"
"Date"
Only in conjunction with solid fuel boilers:
"Idle state"
"Control mode"
"Burnout phase"
"Ember retention"
"Cleaning"
"Buffer cylinder top"
"Buffer cyl bottom"

Heating circuit 1 (HC 1)

"Heating program"
"Operating status"
"Time program"
"Set room temp"
"Actual room temp"
"Set red. room temp"
"Ext. set room temp"
"Set party temp"
"Heating circuit pump"
"Flow temperature"
"Return temp"
"Holiday program"

Heating circuit 2 (HC 2), heating circuit 3 (HC 3)

"Heating program"
"Operating status"
"Time program"
"Set room temp"
"Actual room temp"
"Set red. room temp"
"Ext. set room temp"
"Set party temp"
"Heating circuit pump"
"Flow temperature"
"Return temp"
"Holiday program"

Appendix

DHW

"DHW time program HC 1"
"DHW time program HC 2"
"DHW time program HC 3"
"DHW circ time prog HC 1"
"DHW circ time prog HC 2"
"DHW circ time prog HC 3"
"Actual DHW temp"
"Cylinder primary pump"
"DHW circulation pump"

Solar

"Collector temperature"
"Solar DHW"
"Solar circuit pump"
"Solar energy history."
"Solar energy"
"Solar circuit pump ON/OFF"
"Solar circ pump speed"
"Heat suppr. DHW "
"Output 22 ON/OFF"
"Output 22"
"Sensor 7"
"Sensor 10"
"Heat suppr. heating"

Terminology

Setback mode (reduced heating mode)

See "Reduced heating mode".

Heating program

The heating program determines whether you heat your rooms and have DHW, or only have DHW, or whether you shut down your heating system with frost protection monitoring.

You can select the following heating programs:
- **"Heating and DHW"**
  The rooms are heated and DHW is provided (winter mode).
- **"Only DHW"**
  DHW is provided but there is no central heating (summer mode).
- **"Standby mode"**
  Frost protection for the boiler and the DHW cylinder is enabled, no central heating, no DHW heating.

Terminology (cont.)

Note
*No heating program is available for central heating without DHW heating. When you want central heating, hot water is generally also required (winter mode). If you still want just central heating, select the heating program **"Heating and DHW"** and set the DHW temperature to 10 °C (see page 23). This means that you will not heat DHW unnecessarily but the DHW cylinder is protected against frost.*

Operating status

In the heating program **"Heating and DHW"**, the operating status changes from "Standard heating mode" (see page 39) to the operating status "Reduced heating mode" (see page 40) and vice versa. The times for the operating status change are defined when the time program is set.

Heating circuit

A heating circuit is a sealed circuit between the boiler and radiators, in which the heating water circulates. A heating system may have several heating circuits, e.g. one heating circuit for the rooms occupied by you and one heating circuit for the rooms of an apartment.

Heating circuit pump

Circulation pump for the circulation of the heating water in the heating circuit.

Actual temperature

Current temperature at the time of the scan; e.g. actual DHW temperature.

Mixer

A mixer mixes the water heated in the boiler with the cooled water returning from the heating circuit. The water heated to the right temperature in line with demand is delivered into the heating circuit by the heating circuit pump. The control unit adjusts the heating circuit flow temperature via the mixer to the various conditions, e.g. different outside temperature.

Night setback

See "Reduced heating mode".

Standard heating mode

When you are in the house during the day, you can heat the rooms in standard heating mode. Set the time periods using the time program for central heating. During these times, the rooms are heated to the standard room temperature.

Standard room temperature

Set the standard room temperature when you are in the house during the day (see page 14).

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Appendix

Reduced heating mode

When you are out or during the night, you can heat the rooms in reduced heating mode (setback mode). Set the time periods using the time program for central heating. During these times, the rooms are heated to a reduced room temperature.

Reduced room temperature

When you are out or during the night, set a reduced room temperature (see page 14). See also "Reduced heating mode".

Solar circuit pump

In conjunction with solar thermal systems.
The solar circuit pump delivers the cooled heat transfer medium from the DHW cylinder indirect coil to the collectors.

Set temperature

Default temperature that should be reached; e.g. set DHW temperature.

Summer mode

Heating program **"Only DHW"**.
At warmer times of the year, i.e. when the rooms do not have to be heated, you can disable heating mode. The boiler remains enabled for DHW heating.

Cylinder primary pump

Circulation pump for heating the DHW in the DHW cylinder.

Weather-compensated mode

In weather-compensated mode, the heating flow temperature is controlled according to the outside temperature. This means that no unnecessary heat is generated in order to heat the rooms to the set room temperature you selected. The outside temperature is recorded and transmitted to the control unit by a sensor fitted outside the building.

DHW circulation pump

The DHW circulation pump transfers the hot water in a circular line between the DHW cylinder and the draw-off points (e.g. hot water tap). This makes hot water available quickly at the draw-off point.

Keyword index

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Keyword index (cont.)

Keyword index (cont.)

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Keyword index (cont.)

Applicability

For heating systems with weather-compensated boiler and heating circuit control and a Vitotrol 300A, part no. 7438 364

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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