

# Operating Instructions

Heating controller/  
Room station RS-OT



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# Hoval

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**Heating controller/Room station RS-OT**

The heating controller RS-OT does not only serve for the remote control of your heating but also measures the temperature in the living room if required.

**Important addresses  
and telephone numbers**

Heating installer \_\_\_\_\_

Heating plumber \_\_\_\_\_

Electrical installer \_\_\_\_\_

**System data**

(to be completed by the heating installer)

**Information for the plant user:**

Adjusted  
heating curve  
value

Heating circuit DC = \_\_\_\_\_

Release switching time  
programme P2, P3:      yes ☐      no ☐

**What is the function of the heating controller****TopTronic® T/RS-OT**

The boiler controller is, in conjunction with the temperature sensor connected to it, so to speak, the brain of the heating system. Its main functions are:

- maintaining the desired room temperature independently of the outdoor temperature
- heating the living space only when required (when you are at home)
- produce warm water (e.g. for showering) only when required
- displaying information

further functions:

- Input of desired temperatures
- Turn the burner ON/OFF
- Temperature monitoring

The correct settings for the heating system have already been applied by Hoval, or the installer, during commissioning. Any changes to those settings should only be carried out if you go on a journey or if your home is too cold or too warm. An overview of the most frequent questions/answers can be found on pages 6 and 11 of these instructions.

**How to save energy****For your benefit and for the environment**

Using energy more efficiently by avoiding unnecessary losses: With little effort you can optimise the operation of your system and make it worth while.

- You can save money. Enough money to pay your oil or gas bill every sixth year
- Every year, you can save the energy equivalent of a bathtub full of heating oil

**In autumn, it is worth while turning the heating off again on warm days**

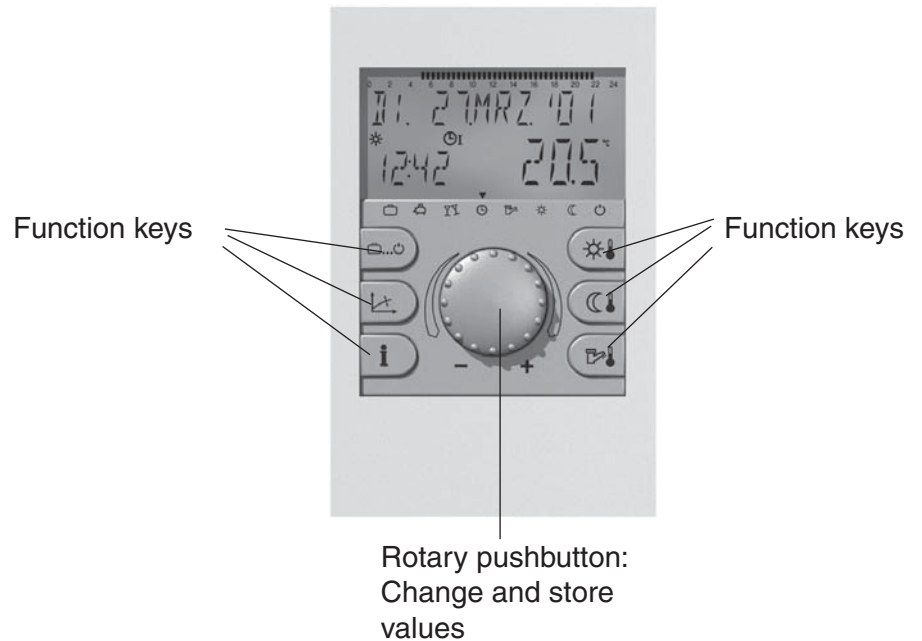
This prevents the heating system from producing unnecessary heat in the morning, due to low outdoor temperatures, and overheating the house. Turning the heating on or off depending on the weather conditions is one of the most effective energy saving measures. If you want to save yourself going down the basement, you may want to consider acquiring a "remote control" from Hoval, which will allow you to operate and control the heating comfortably from your living room.

**Basic display**

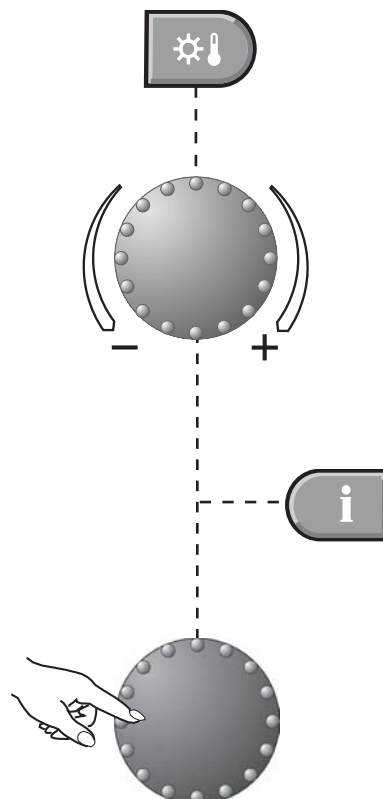
The basic display shows the day of the week, date and time of the day, as well as the current boiler temperature and room temperature (room station)

**Function of the operating elements**

The central rotary pushbutton and the labelled keys are designed for easy and straightforward operation.

**Basic procedure for changing settings**

An example



Select the desired function






















Turn the rotary pushbutton to select or change the desired parameter (flashing word or number).

Press the Info key at any time to go back to the basic display without storing the values set.

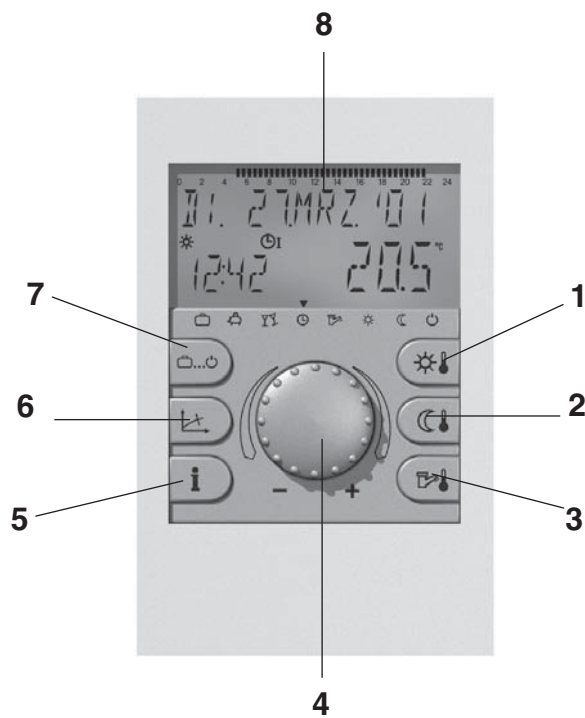
Press the rotary pushbutton to store the value set.  
It is also possible to store the value using the selected function key.




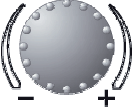


## What to do if...












The following information can be used as a first level support in frequently occurring situations.

Observation	Remedy
It is too cold	Set a higher value for the room temperature with  and the rotary pushbutton (see page 9).
It is too warm	Set a lower value for the room temperature with  and the rotary pushbutton or set the operating mode to  (page 10,14)
From now on, equal day and night temperatures should be maintained continuously	Set the operating mode with  to  "HEATING" (page 14)
This evening, the heating should remain on for longer	Set the operating mode with  to  "PARTY" and set the desired time (page 12)
A larger amount of hot water is required	Press  for 3 seconds and set the additional loading time (page 22)
From now on, hot water but no heating is required	Set operating mode with  to  "SUMMER" (heating off, hot water only) (page 14).
Suddenly, there is no heating or hot water; it is cold.	Check the control unit for alarm messages and consult a heating engineer, if necessary.
The room temperature setpoint requires frequent adjustments because it is too cold or too hot	Change the adjusted heating curve (page 20)
Today, I will be absent for several hours during the day	Set the operating mode with  to  "ABSENT TIL" and set the return time (page 12)
I am travelling for a short period of time (e.g. 3 days)	Set the operating mode with  to  "HOLIDAY TIL" and set the return time (page 12)
I will be travelling for an indefinite period of time	Set the operating mode with  to  "RED. HEATING". When returning, set the operating mode with  to  "AUTOMATIC" (page 13)
In summer, it is too cold or too warm.	 indicates that the summer disconnection is active. If it is too cold, set the operating mode with  to  (page 13).

## Control elements of the boiler control



Key	Designation	Function
1 	Daytime room temperature	Set the daytime room temperature. <span style="float: right;">Page 9</span>
2 	Reduced room temperature	Set the night time room temperature (reduced heating). <span style="float: right;">Page 10</span>
3 	DHW temperature	Set the domestic hot water temperature. Manual DHW reloading. <span style="float: right;">Page 22</span>
4 	Rotary pushbutton	Change the values by turning. Confirm the values by pressing. Function selection by pressing and turning.
5 	Information key	Show the operating data on the display. Return to the basic display without saving the values. <span style="float: right;">Page 29</span>
6 	Setting the heating curve	Setting the heating curve <span style="float: right;">Page 20-21</span>

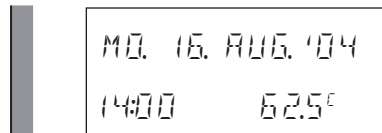
Key	Designation	Function
<b>7</b> 	Operating mode selection key	Select the operating modes
	 Holiday	Turn off the heating system during the holidays (frost protection) <span style="float: right;">Page 12</span>
	 Absent	Temporarily switch off heating <span style="float: right;">Page 12</span>
	 Party	Extended heating <span style="float: right;">Page 12</span>
	 Automatic	Automatic heating according to the preset heating times <span style="float: right;">Page 13</span>
	 Summer	only DHW; heating off <span style="float: right;">Page 13</span>
	 Heating	Constant heating mode <span style="float: right;">Page 13</span>
	 Red. heating	Constant reduced heating mode <span style="float: right;">Page 13</span>
	 Standby	System switched off - Frost protection activated <span style="float: right;">Page 13</span>
<b>8</b> 	Display	<p>The basic display shows the day of the week, date and time of the day, as well as the current boiler temperature and room temperature (room station)</p>  <p>Possible readouts:</p> <ul style="list-style-type: none"> <li>1 Active heating time 24h</li> <li>2 Weekday display</li> <li>3 Display of the active operating mode and the clock programme</li> <li>4 Time of the day</li> <li>5 Selected operating mode</li> <li>6 Date / Day / Month / Year</li> <li>7 Room temperature (if activated)</li> </ul>



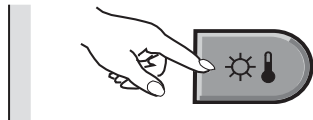
## Main settings

### Changing the room temperature

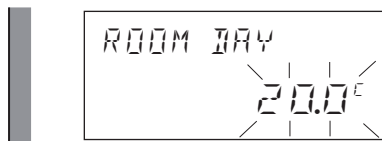
#### Setting the daytime room temperature



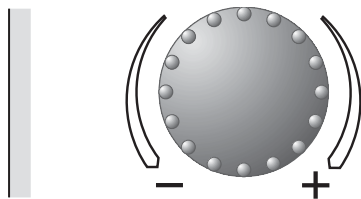
Basic display



Tap the "Daytime room temperature" key.

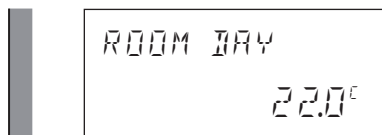


The daytime room temperature setpoint flashes.

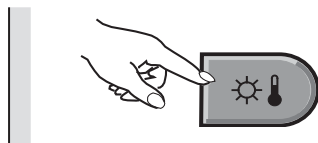


Set the desired room temperature by turning the "rotary pushbutton".

- Setting range 5.....30°C (factory setting 20°C)

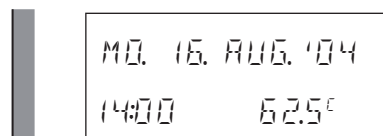


The new "Daytime room temperature" setpoint appears on the display.

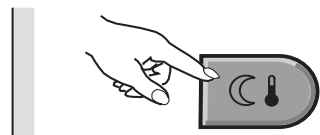


Tap the "Daytime room temperature" key to confirm the temperature setpoint.

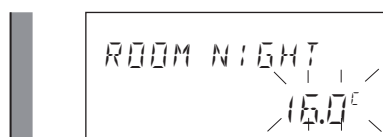
## Setting the reduced (night time) temperature



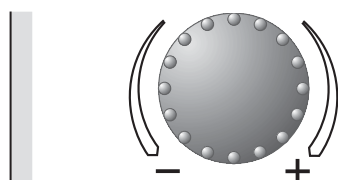
Basic display



Tap the “Reduced room temperature” key.

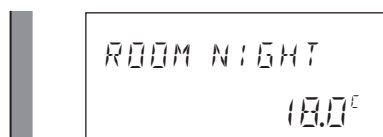


The night time room temperature setpoint flashes.

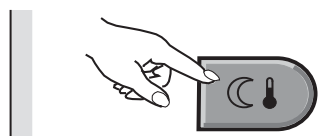


Set the desired room temperature by turning the “rotary pushbutton”.

- Setting range 5.....30°C (factory setting 16°C)



The new “Reduced room temperature” setpoint appears on the display.








Tap the “Daytime room temperature” key to confirm the temperature setpoint.


### Holiday, absent, constant reduced heating

Depending on the duration of your absence and what your requirements are in regard to comfort, there are different operating modes available for interrupting or reducing the heating. In any case you will be able to save a lot of energy and money if the rooms are not heated or less heated during your absence.

The following table is intended as a guide for finding the best operating mode for each particular case:

Application	Operating mode	Function
<b>You go on holiday for e.g. 1 week and you know the return date.</b>	Heating system off during holidays.  "HOLIDAY TIL" 	- Heating system OFF / Calorifier frost protected (5°C) - Room temperature set to minimum (10°C) Setting range: current date + 250 days End of holiday = Return date 0:00 h Early return: Press  for 3 sec. to return to "AUTOMATIC" mode
<b>You leave home in the morning and come back late in the evening.</b>	Heating interrupted temporarily  "ABSENT TIL" 	Heating temporarily interrupted until set time. Setting range: 0.5.....24h
<b>You are travelling for an indefinite period of time and want the living area to be at the set reduced temperature on return.</b>	Constant reduced heating mode  "RED. HEATING" 	Continuous reduced heating and DHW mode around the clock.
<b>You are away for an indefinite period of time during spring or autumn and you don't mind if your home is cool on return.</b>	System switched off - Frost protection activated  "STANDBY" 	The entire heating system is switched off and frost protected. DHW mode not activated!

See following pages for a detailed description on how to set the operating modes.

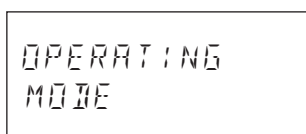
You can return to the "AUTOMATIC" function (normal heating mode) at any time by "pressing"  for 3 sec.

## Changing the operating mode

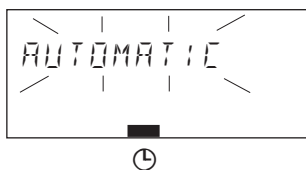
Procedure for activating the operating modes "HOLIDAY TIL", "ABSENT TIL" or "PARTY TIL"



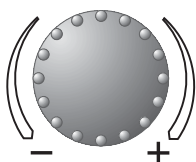
Tap the "Operating mode" key.



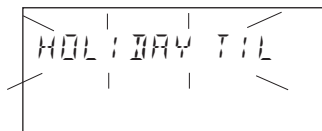
The note "OP. MODE" is displayed for a short time.



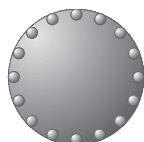
The currently active operating mode is then shown flashing on the display and a black rectangle at the lower part of the display points to the corresponding symbol



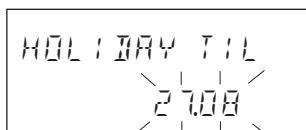
Set the desired operating mode by turning the "rotary pushbutton": "HOLIDAY TIL" or "ABSENT TIL" or "PARTY TIL"



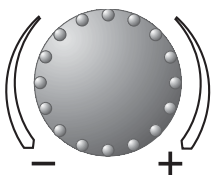
The selected operating mode is shown flashing on the display.



Tap the "rotary pushbutton" to confirm the selected operating mode.

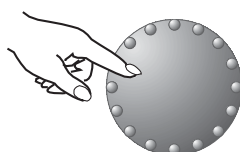


Today's date ("HOLIDAY TIL") or the current time ("ABSENT TIL", "PARTY TIL") is shown flashing on the display.



Turn the "rotary pushbutton" and select:

- for "HOLIDAY TIL", the date of return from holiday.
- for "ABSENT TIL", the expected return time (within max. 24h).
- for "PARTY TIL", the time the party is expected to end.

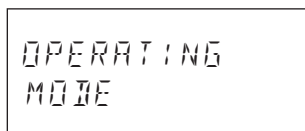


Tap the "rotary pushbutton" to confirm the setting.

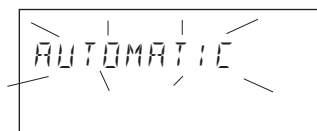
Procedure for activating the operating modes "AUTOMATIC", "SUMMER"<sup>1</sup>, "HEATING", "RED.HEATING" and "STANDBY"



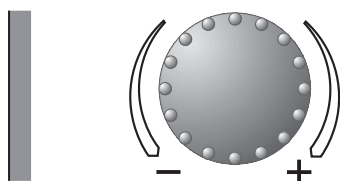
Tap the "Operating mode" key.



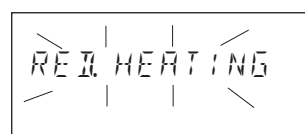
The note "OP. MODE" is displayed for a short time.



The currently active operating mode is then shown flashing on the display



Set the desired operating mode by turning the "rotary pushbutton"








e.g. "RED. HEATING"



Tap the "rotary pushbutton" to confirm the setting.

<sup>1</sup> Operating mode "Summer" can not be selected if each heating circuit is adjusted separately.

Operating mode	Function
<b>AUTOMATIC</b> 	Automatic heating mode according to the heating times set in the 1. switching time program Factory setting: Heating 06.00 - 22.00 Reduced heating 22.00 - 06.00 Domestic hot water: 05.00 - 22.00
<b>SUMMER</b> 	DHW mode only DHW is produced at the times set in the switching time program (for showering, etc.) Factory setting for domestic hot water: 05.00 - 22.00 Frost protection active <div>             Info:              Operating mode "Summer" can not be selected if each heating circuit is set up separately.           </div>
<b>HEATING</b> 	Constant heating mode The room temperature is not reduced during the night DHW is produced at the times set in the time program
<b>RED. HEATING</b> 	Continuous reduced heating mode The rooms are continuously heated at the "ROOM NIGHT" temperature setting.
<b>STANDBY</b> 	No heating mode Heating system is switched off There is no heating and no domestic hot water is produced. Frost protection is active.

Changing the switching times (heating times)

In this menu the switching time programs can be set individually for the heating and domestic hot water modes. After selecting the respective heating circuit, the factory-set standard program (P1) is loaded and can then be edited individually.

The standard heating times preset by the manufacturer are:

Circuit	Day	Heating from
Heating circuit (DC)	Mo-Su	06.00 - 22.00
Hot water circuit (DHW)	Mo-Su	05.00 - 22.00

Table for recording individual switching times

Switching times program for living area..... (DC)						
Day	Cycle 1		Cycle 2		Cycle 3	
	from	to	from	to	from	to
Mo						
Tu						
We						
Th						
Fri						
Sa						
Su						

Switching times program for calorifier (DHW)						
Day	Cycle 1		Cycle 2		Cycle 3	
	from	to	from	to	from	to
Mo						
Tu						
We						
Th						
Fri						
Sa						
Su						

Further standard programs can be - or could have been - set-up or enabled for programming by the installer (P1-P3) see page 17

A maximum of 3 heating times per day are possible, e.g.:



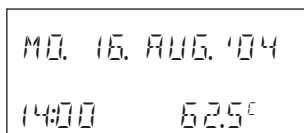
1 heating cycle per day



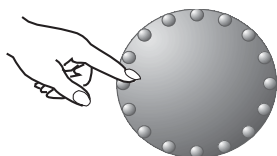
2 heating cycles per day



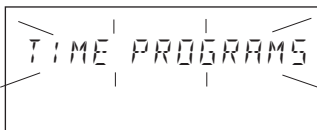
3 heating cycles per day



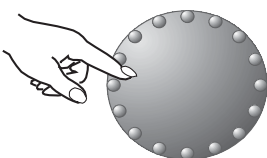
Basic display



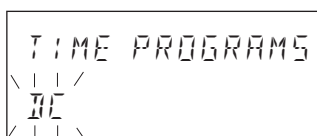
Press the “rotary pushbutton” for at least 3 sec.



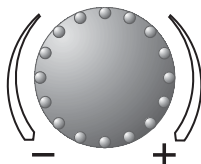
The note “TIME PROGRAMS” appears flashing on the display.



Tap the “rotary pushbutton” to confirm



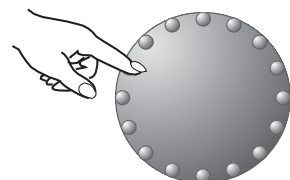
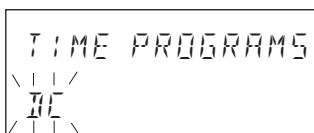
The note “DC” also appears flashing on the display



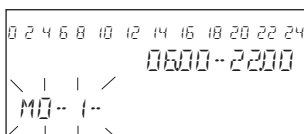
Select the heating circuit by turning the “rotary pushbutton”.

Select switching times program P1, P2 or P3, if required  
- see page 17

e.g.





Tap the “rotary pushbutton” to confirm the selected heating circuit.



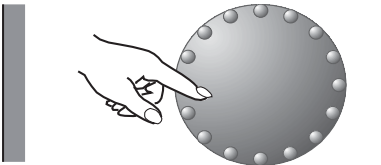
Use the “rotary pushbutton” to select the day for which the heating time has to be modified.

Note: The 3rd heating cycle is omitted if the 2nd heating cycle does not contain any switching times.

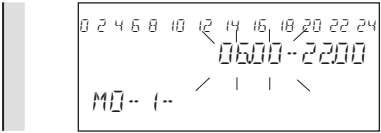
Change - Exit:

Every flashing setting can be corrected using the rotary button, if required, and accepted by tapping. Use the  key to go back one step. Use the  key or wait for approx. 60 sec. to go back to the basic display.

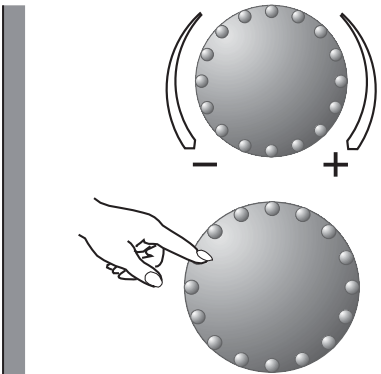




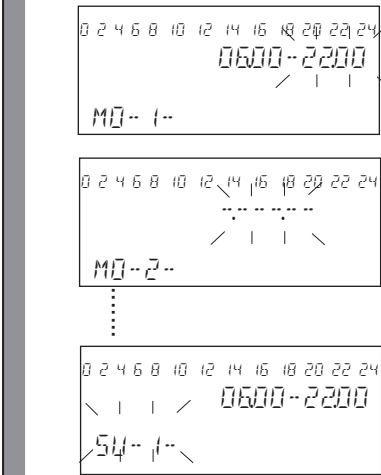
Tap the “rotary pushbutton” to confirm the selected day.



The currently set heating start time is shown flashing on the display



Set the desired heating start time by turning the “rotary pushbutton”



Tap the “rotary pushbutton” to confirm the set start time  
Set the time setpoint for the end of the heating mode on the week day shown by turning the “rotary pushbutton”.

The week day is shown flashing on the display. You can now set a second heating time (Mo -2) for this day by turning the “rotary pushbutton”  
or  
turn the button directly to Tuesday to set the desired heating time.

Instead of entering each day separately, you can also use the “copy” function - see page 18  
This function allows you to copy the switching times from any days of the week to other days (Mo-Su) or to a whole week (1-7) or to day groups like working days (1-5) or weekends (6-7).



Once you have completed all the changes, tap the operating mode key to confirm the settings and open the basic display

If P1 is displayed, further standard heating times programs are already enabled.  
If not, P2 and P3 can be enabled by the heating technician.

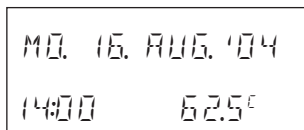
Factory setting:  
Switching times program P2

Circuit	Day	Heating from
Heating circuit (DC)	Mo-Th	06.00-08.00 16.00-22.00
	Fri	06.00-08.00 13.00-22.00
	Sa-Su	07.00-23.00
Hot water circuit (DHW)	Mo-Th	05.00-08.00 15.30-22.00
	Fri	05.00-08.00 12.30-22.00
	Sa-Su	06.00-23.00

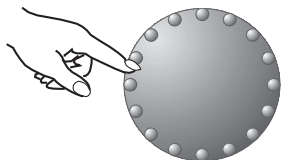
Factory setting:  
Switching times program P3

Circuit	Day	Heating from
Heating circuit (DC)	Mo-Fri	07.00-18.00
	Sa-Su	reduced
Hot water circuit (DHW)	Mo-Fri	06.00-18.00
	Sa-Su	reduced

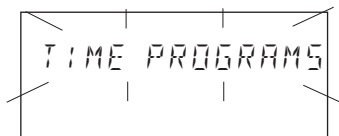
## Copying of switching times



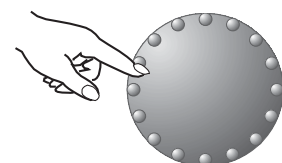
Basic display



Press the "rotary pushbutton" for at least 3 sec.



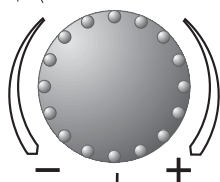
The note "TIME PROGRAMS" appears flashing on the display.



Tap the "rotary pushbutton" to confirm

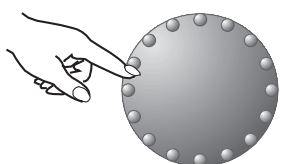
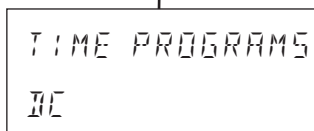


The note "DC" appears on the display

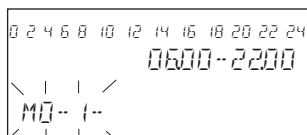


Select the heating circuit by turning the "rotary pushbutton".

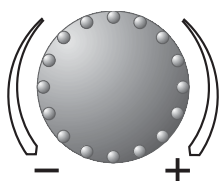
Select switching times program P1, P2 or P3, if required  
see page 17



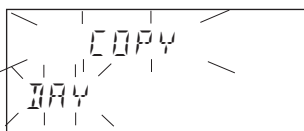
Tap the "rotary pushbutton" to confirm the selected heating circuit.



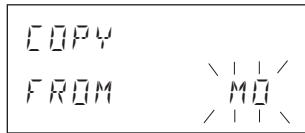
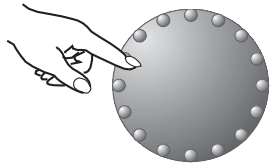
The selected heating time is shown flashing on the display.



Keep turning the "rotary pushbutton"





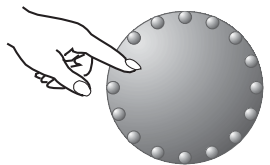
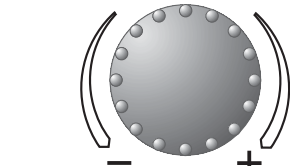
until "COPY", "DAY" appears flashing on the display.



Tap the “rotary pushbutton” to confirm the setting.

#### Change - Exit:

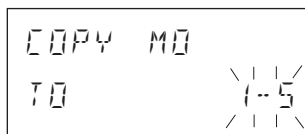
Every flashing setting can be corrected using the rotary button, if required, and accepted by tapping. Use the  key to go back one step. Use the  key or wait for approx. 60 sec. to go back to the basic display.



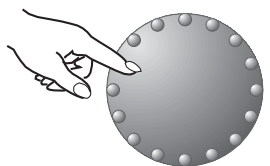
Select the day from which the heating time setting is to be copied by turning the “rotary pushbutton”.

Note: The 3rd heating cycle is omitted if the 2nd heating cycle does not contain any switching times.

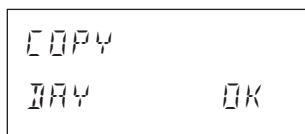
Tap the “rotary pushbutton” to confirm the selected day.



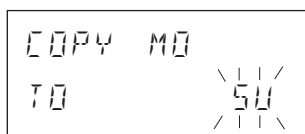
Select the target day(s): Days of the week (MO...SU), whole week (1-7) working days only (1-5), weekend only (6-7).



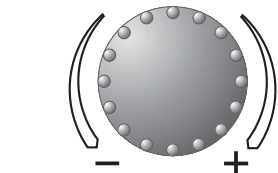
Tap the “rotary pushbutton” to confirm



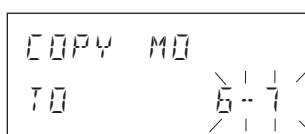
Confirmation for correct copying of day(s).



Target range for the next copy process is shown flashing on the display.



Select the next copy range by turning the “rotary pushbutton”.



Target range for the copy process is shown again flashing on the display.

Follow the same procedure to create any additional copies.

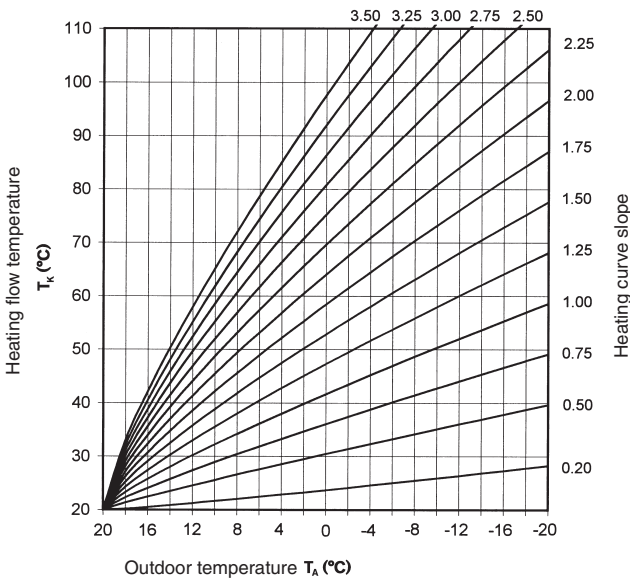


Once you have completed all the changes, tap the operating mode key to confirm the settings and open the basic display.

Heating curve (heating characteristic)

The heating curve is normally preset by the installer during commissioning of the heating system. The heating curve should only be changed in small steps and over longer periods of time.

- Recommended settings
- Floor heating: 0,3...1,0
  - Radiator heating: 1,2...2,0
  - Convector heating: 1,5...2,0



The slope of the heating characteristic curve generally describes the ratio between variations in the flow temperature and variations in the outdoor temperature.

Basic display

Tap the “Heating curve” key

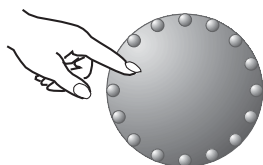
“Heating curve” display appears.  
„DC“ flashes

Confirm

The slope of the heating characteristic curve is shown flashing on the display

Select the desired value for the slope of the heating characteristic curve by turning the “rotary pushbutton”.

The selected slope of the heating characteristic curve is shown on the display.

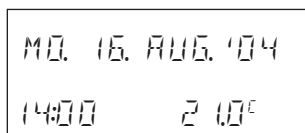


Tap to confirm



Once you have completed all the changes, tap the operating mode key to confirm the settings and open the basic display.

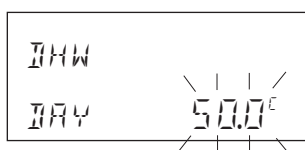
### Set the domestic hot water temperature



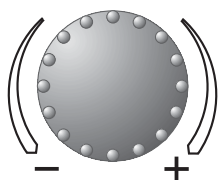
Basic display



Tap the "Domestic hot water temperature" key

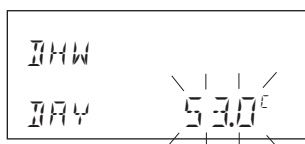


The current domestic hot water temperature setpoint is shown flashing on the display



Set the desired hot water temperature by turning the "rotary push-button"

- Setting range 10(40).....65°C (Factory setting 50°C)



The selected hot water temperature is shown flashing on the display.

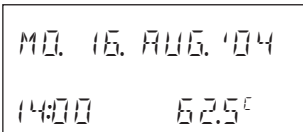

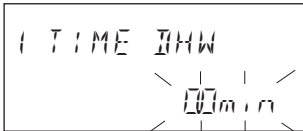
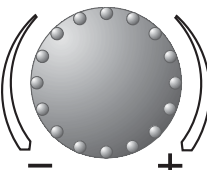
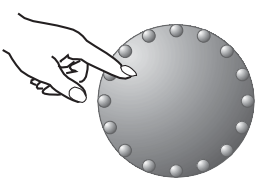
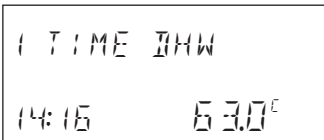


Tap the "Domestic hot water temperature" key to confirm the temperature setpoint.

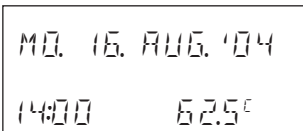
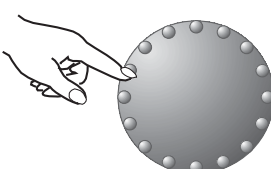
## Manual domestic hot water reloading

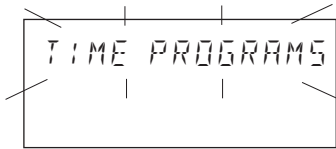
Outside the time periods during which the domestic hot water mode is available, the calorifier can be manually reloaded within the selected setting range.

The calorifier is reloaded once according to the set daytime domestic hot water temperature. Reloading is limited by the set temperature for all other settings.

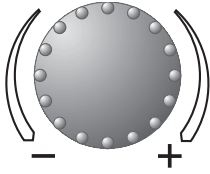
		Basic display
		Press and hold the "Domestic hot water temperature" key for 3 seconds.
		The domestic hot water reloading time is displayed; the minute display flashes
		Set the desired additional reloading time by turning the "rotary pushbutton". Setting range: 0....240 min
		Tap to confirm
		The active reloading process is displayed until the reloading process has been completed.

## Domestic hot water economy temperature (reduced temperature)

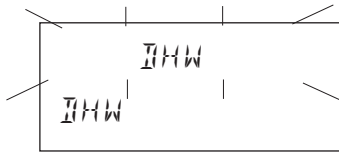
		Basic display
		Press and hold the "rotary pushbutton" for 3 seconds



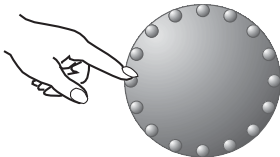
The note "TIME PROGRAMS" appears on the display.



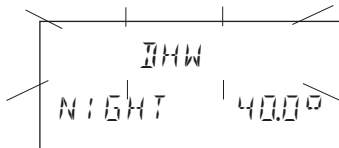
Keep turning the "rotary pushbutton"



until "DHW" appears flashing on the display

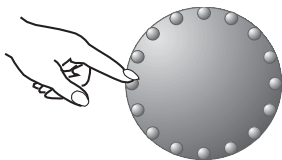


Tap to confirm

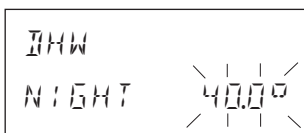


"DHW" flashes on the display.

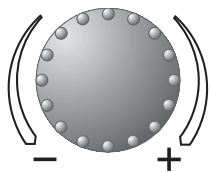
The temperature shown defines the desired domestic hot water temperature outside the time periods during which the domestic hot water mode is available.



Tap to confirm



The night-time domestic hot water temperature flashes



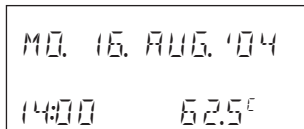
Set the desired temperature value by turning the "rotary pushbutton" and tap to confirm the setting



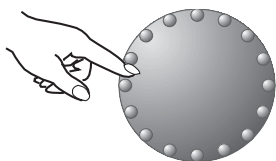
Once you have completed all the changes, tap the operating mode key to confirm the settings and open the basic display.

## Further settings

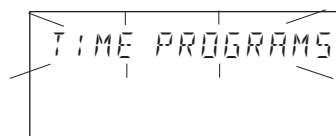
### Setting the time



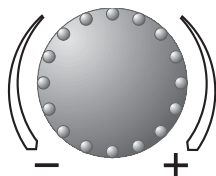
Basic display



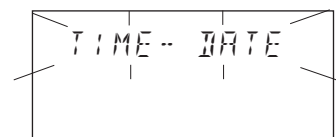
Press the “rotary pushbutton” for 3 sec.



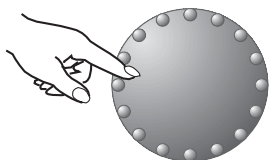
The note “TIME PROGRAMS” appears on the display.



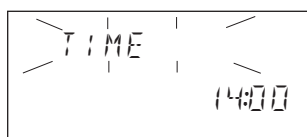
Turn the “rotary pushbutton”



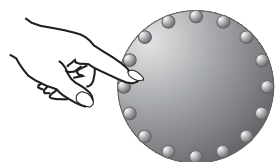
until “Time-date” is shown flashing on the display.



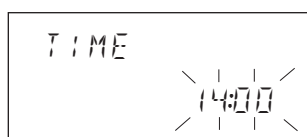
Tap to confirm



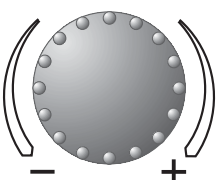
“Time” flashes



Tap to confirm



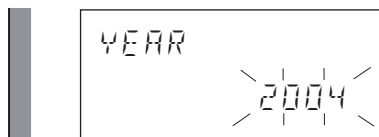
“Time” flashes



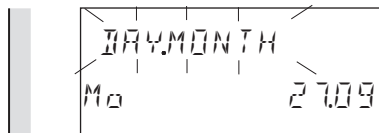
Turn the “rotary pushbutton” to set the desired time and tap to confirm the setting  
Turn the “rotary pushbutton” for further adjustments.



## Setting the date

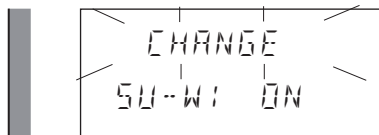


"Year" is shown flashing - confirm  
Turn to change the year setting - confirm

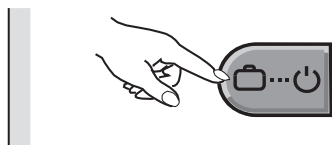


"Day...Month" is shown flashing - confirm  
Turn to change the Day...Month setting - confirm

## Changing between summer and winter time



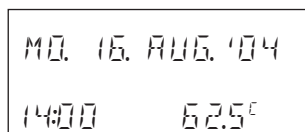
"Change" is shown flashing - confirm  
Turn to change SU-WI ON or OFF - confirm



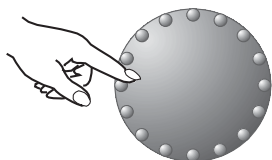
Once you have completed all the changes, tap the operating mode key to confirm the settings and open the basic display.

## Setting the language

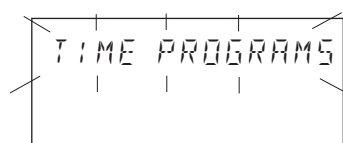
You will be prompted for the desired language when switching on the control system for the first time. Changing the language is also possible during normal operation.



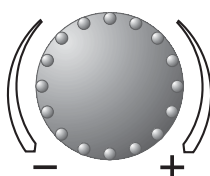
Basic display



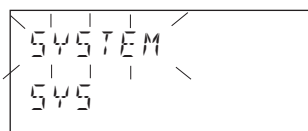
Press and hold the "rotary pushbutton" for 3 seconds



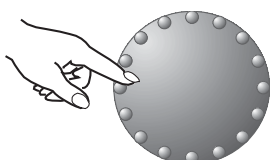
The note "TIME PROGRAMS" appears on the display.



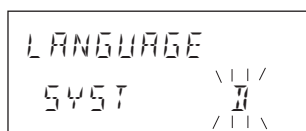
Turn the "rotary pushbutton"



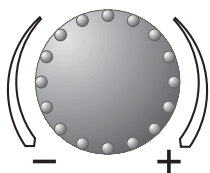
until "System" is shown on the display



Tap to confirm



"Language" appears on the display. Abbreviations for the language are shown flashing  
 D.....German / GB...English  
 I.....Italian / F....French



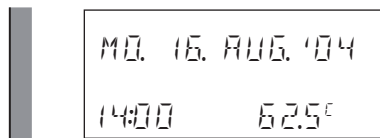
Turn to select the desired language and tap to confirm.



Once you have completed all the changes, tap the operating mode key to confirm the settings and open the basic display.

## Reloading the standard switching time program - Deleting the own time program

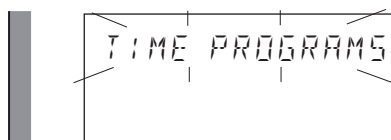
With this function you can reload all the factory settings.



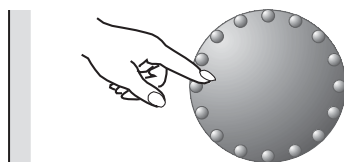
Basic display



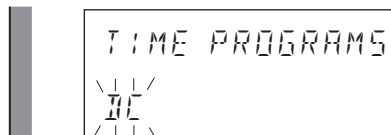
Press and hold the "rotary pushbutton" for 3 seconds



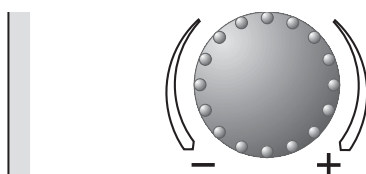
"TIME PROGRAMS" appears flashing on the display



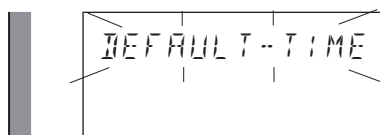
Tap to confirm



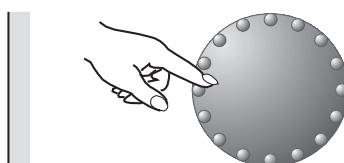
The note "DC" appears on the display



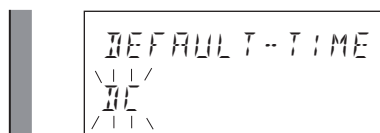
Keep turning until "DEFAULT-TIME" appears



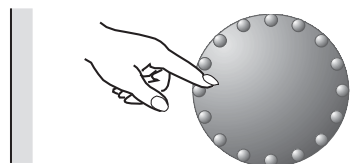
"DEFAULT-TIME" is shown flashing on the display.



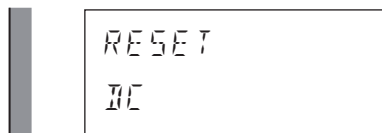
Tap to confirm



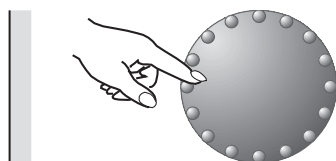
The note "DC" appears on the display  
Select the heating circuit by turning the "rotary pushbutton".



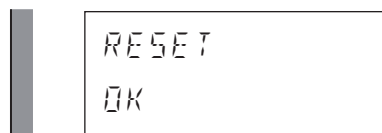
Tap to confirm



"RESET" appears on the display



Press and hold the "rotary pushbutton" for 3 seconds

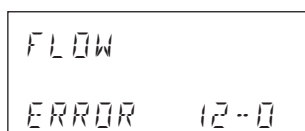


"RESET" OK is displayed to confirm

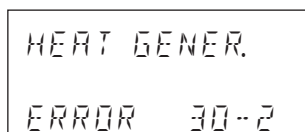


Once you have completed all the changes, tap the operating mode key to confirm the settings and open the basic display.

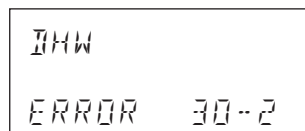
## Alarm messages



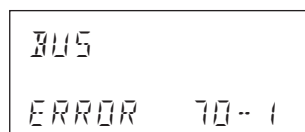
Example for sensor alarm messages  
(short circuit or interruption)  
Error code 10...20 and index 0 or 1



Example for heat generator alarm messages  
(switching status)  
Error code 30....40 and index 2...5



Example for logical alarm messages  
(control functions)  
Error code 50....60 and index 2.....4

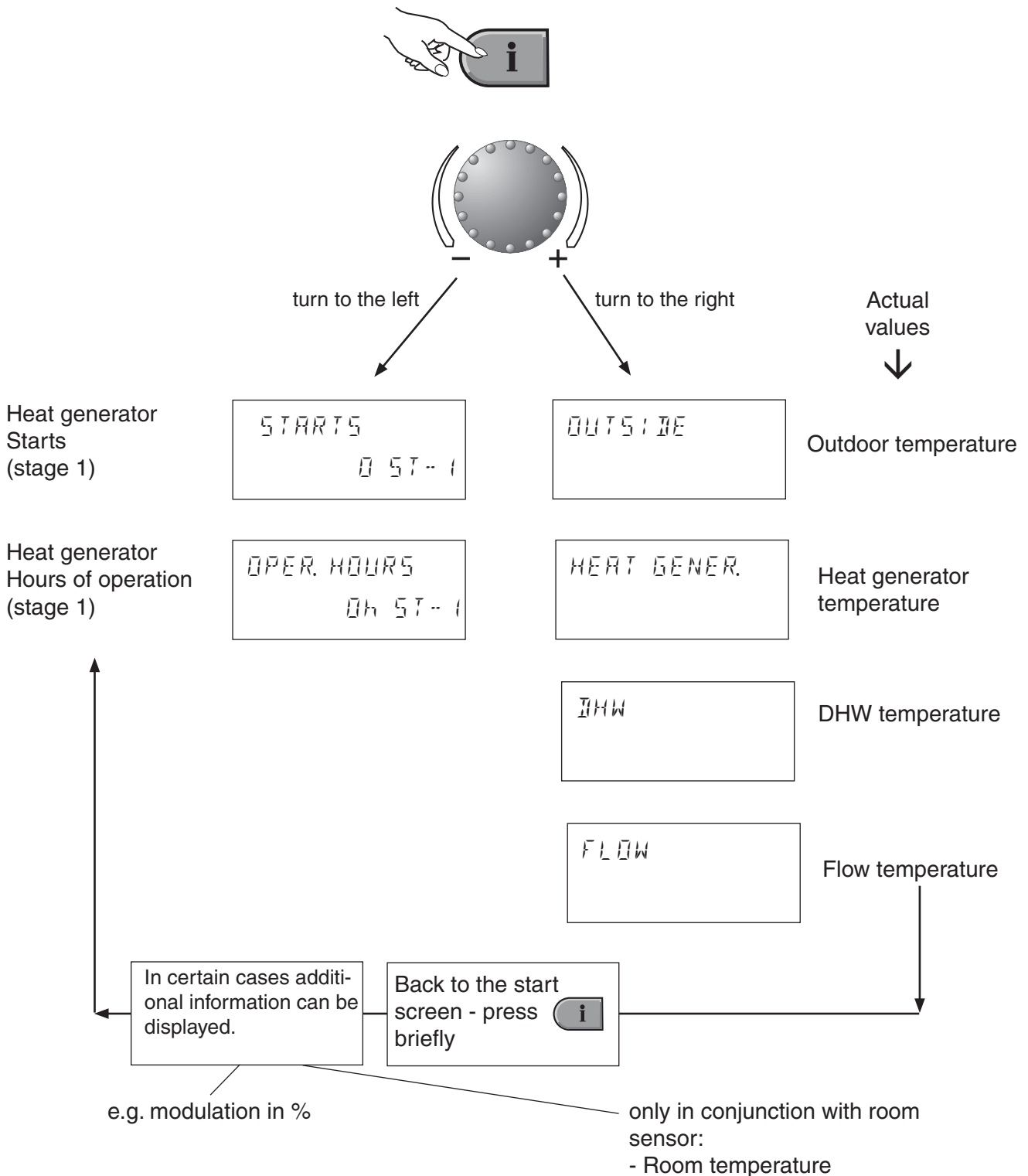


Example for data bus alarm messages  
(address errors on data bus)  
Error code 70 and index 0 or 1

The controller comprises a comprehensive alarm logic which displays the fault type by means of the corresponding error code.

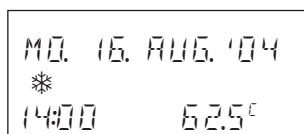
## System information

### Information key for system temperatures and heating circuit information

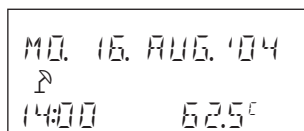


All temperature values shown represent the current values. Press and hold the “rotary pushbutton” to display the individual setpoints.

## Special symbols



Ice crystal symbol:  
Frost protection activated



Umbrella symbol:  
Summer disconnection active  
(heating switched off, DHW according to program).



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# Hoval

Responsibility for energy and the environment