



en Operating Instructions REA23...

Commissioning and quick start



1. Remove controller from its base and open cover of the battery compartment.
2. Remove the black battery transit tab. The controller will switch itself on.
3. Close the battery compartment and replace the controller.

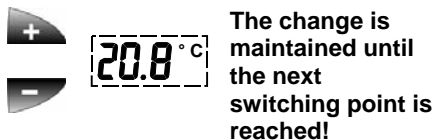
Selecting the operating mode



The operating mode selector enables you to select 5 different operating modes:

- Automatic operation with a maximum of 3 comfort periods (heating / cooling periods)
- Continuously comfort mode
- Continuously economy mode
- Continuously frost-/ overheating protection mode
- Special day with one comfort period

Changing temporarily the current setpoint temperature



The change is maintained until the next switching point is reached!

1. When pressing the or button for the first time, the currently valid setpoint temperature will be displayed. It can be readjusted in increments of 0.2 °C (max. +/-4 °C).
2. After 3 seconds, the initial display will automatically appear again.

Changing temporarily the temperature setpoint (savings tip)

In operating modes and , this button can be pressed to make a manual change from comfort to economy mode, or vice versa. The change will automatically be cancelled when reaching the next switching point or when selecting another operating mode.

	Absence		Special day		2 Comfort periods
	"Time" menu		Heating active		Setpoint comfort
	"Temperature" menu		Cooling active		Setpoint economy
	"Comfort period" menu		Automatic operation		Setpoint protective temp.
	"Absence" menu		Continuously comfort mode		Setpoint remote operation
	Battery change		Continuously economy mode		Setpoint absence
	Remote operation		Frost- or / overheating protection		1 Comfort period

Functions of the ESC-button, the setting knob and the OK-button

ESC-button

Press the ESC-button to return to the menu level previously activated or to leave the menu level in a number of steps until you reach the initial display (the settings currently displayed will be accepted).

Setting knob:

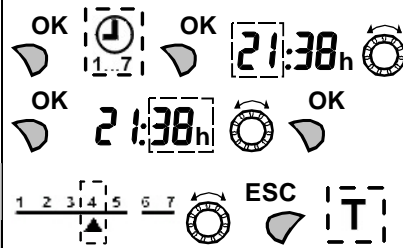
- Setting knob is operative in menu levels only !
- You go from one menu to the next
- You change the setting variables (temperature in increments of 0.2 °C, time in increments of hours and minutes)
- You select predefined functions

OK-button:

- You access the menu level
- You activate the menu
- You save the inputs
- You switch to the next menu item
- You accept the menu item

Setting the time of day and the weekday

Adjustable in operating modes , , and

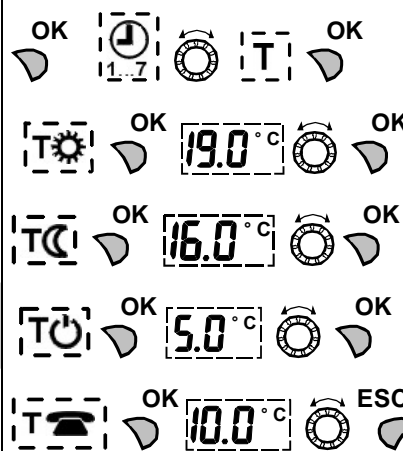


If no button is pressed for 20 seconds, the setting displayed will be accepted and the initial display will appear again.

1. OK-button: You access the menu level; the **clock** flashes.
2. OK-button: You accept the menu; the **hours** flash.
3. Setting knob: Set the current **hour**.
4. OK-button: You save the input; the **minutes** flash.
5. Setting knob: Set the current **minute**.
6. OK-button: You save the input; the **weekday** flashes.
7. Setting knob: Select the current **weekday**.
8. Press the ESC-button to return to the menu level: the **T** menu flashes (change not necessarily required; press the ESC-button again to return to the initial display).

Changing temperatures long-term

Adjustable in operating modes , , and

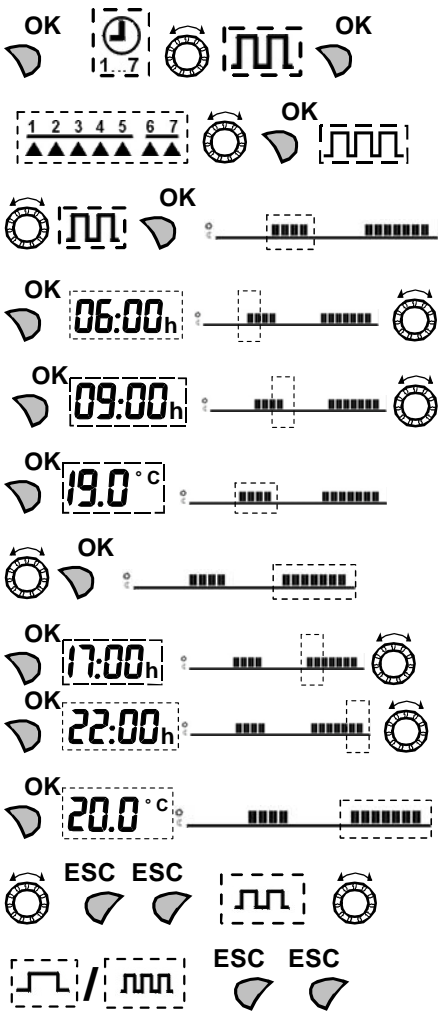


If no button is pressed for 20 seconds, the setting displayed will be accepted and the initial display will appear again.

1. OK-button: You access the menu level the **clock** flashes.
2. Setting knob: Clockwise to the **T** menu.
3. OK-button: You accept the menu; symbol flashes.
4. OK-button: You accept ; the **setpoint** flashes.
5. Setting knob: Set the **comfort temperature**
6. OK-button: You save the input; symbol flashes.
7. OK-button: You accept ; the **setpoint** flashes.
8. Setting knob: Set the **economy temperature**.
9. OK-button: You save the input; symbol flashes.
10. OK-button: You accept ; the **setpoint** flashes.
11. Setting knob: Set the **frost protection temperature**.
12. OK-button: You save the input; symbol flashes.
13. OK-button: You accept ; the **setpoint** flashes.
14. Setting knob: Set the **temperature setpoint** while **remote operation** is active.
15. Press the ESC-button to return to the menu level: The comfort periods menu flashes (Change not necessarily required; press the ESC-button again to return to the initial display.)

Settings for automatic operation with 2 comfort periods

Adjustable in operating modes **Auto**, and



If no button is pressed for 20 seconds, the setting displayed will be accepted and the initial display will appear again.

1. OK-button: You access the menu level; the **clock** flashes.
2. Setting knob: Clockwise to menu, flashes.
3. OK-button: You accept the menu; the **day selection** symbol flashes.
4. Setting knob: Select the days, the working days, the weekend or the week.
5. OK-button: You save the selection made; **heating period** flashes.
6. Setting knob: counterclockwise to
7. OK-button: Accept ; **comfort period 1** flashes.
7. OK-button: You accept **comfort period 1**; **start time** of comfort period 1 flashes.
9. Setting knob: Set the **start time** of comfort period 1.
10. OK-button: You save the input; **end time** of comfort period 1 flashes.
11. Setting knob: Set the **end time** of comfort period 1.
12. OK-button: You save the input; **setpoint** of comfort period 1 flashes.
13. Setting knob: Set the **setpoint** of comfort period 1.
14. OK-button: You save the input; **comfort period 2** flashes.
15. OK-button: You accept **comfort period 2**; **start time** of comfort period 2 flashes.
16. Setting knob: Set the **start time** of comfort period 2.
17. OK-button: You save the input; **end time** of comfort period 2 flashes.
18. Setting knob: Set the **end time** of comfort period 2.
19. OK-button: You save the input; **setpoint** of comfort period 2 flashes.
20. Setting knob: Set the **setpoint** of comfort period 2.
21. Press the ESC-button to return to the **comfort periods** menu: Menu item **comfort periods** flashes.
22. Setting knob: To menu item or comfort periods (Change not necessarily required; press the ESC-button several times to leave the menu level in several steps, thus returning to the initial display.)

Special day

Adjustable when this operating mode is selected

Special day with 24-hour mode and one comfort period.

Start of comfort period, end of comfort period and temperature setpoint can be set individually by OK-button and setting knob.

Press the ESC-button to return to the initial display

Retrieving the default values

Press the button behind the small opening for at least one second, thus resetting the user-specific settings to their default values (the heating engineer settings will remain unchanged).

The clock starts at 12:00.

When making a reset, all display fields will light up.

Default values Factory settings for heating

Operating mode			
Start of continuous operation	00:00	00:00	00:00
End of continuous operations	24:00	24:00	24:00
Setpoint of comfort mode	19 °C		
Setpoint of economy mode		16 °C	
Setpoint frost protection			5 °C
Setpoint T remote operation		10 °C	
Setpoint T absence		12 °C	
Operating mode	Auto		
Selected periods			
Start of period 1	07:00	06:00	06:00
End of period 1	23:00	08:00	08:00
Start of period 2		17:00	11:00
End of period 2		22:00	13:00
Start of period 3			17:00
End of period 3			22:00
Setpoint of period 1	19 °C	19 °C	19 °C
Setpoint of period 2		20 °C	20 °C
Setpoint of period 3			21 °C
Setpoints T and T	see above		

Default values Factory settings for cooling

Operating mode	Auto			
Setpoint	23 °C	23 °C	29 °C	35 °C
Setpoint T remote operation	30 °C			
Setpoint T absence	30 °C			

Changing the batteries 2 Alkaline batteries type AA 1.5 V

When this symbol appears, the batteries must be replaced within 3 months.

1. Remove controller from its base.
2. Open battery compartment at the rear and replace the batteries.
3. Close battery compartment and replace the controller.

Note:

When changing the batteries, the current data are maintained for a **maximum of one minute**.

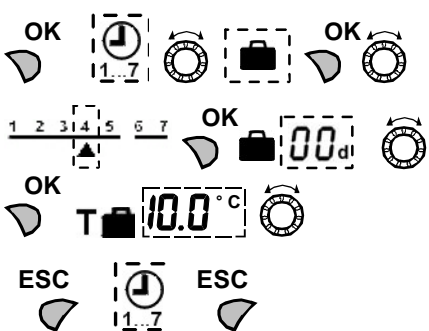
Settings for automatic operation with 1 or 3 comfort periods

Adjustable in operating modes **Auto**, and

The procedure to be followed is the same as that for automatic operation with 2 comfort periods. The only difference being that, in addition, a setpoint for comfort period 3 can be entered (standard setting 21 °C)

Absence / holidays

Adjustable in operating modes **Auto**, and



If no button is pressed for 20 seconds, the setting displayed will be accepted and the initial display will appear again.

1. OK-button: You access the menu level; the **clock** flashes.
2. Setting knob: to menu flashes.
3. OK-button: Accept ; symbol flashes.
4. Setting knob: Set the start (weekday) of your absence.
5. OK-button: You save the input; the number of days flash.
6. Setting knob: Set the duration of your absence; number of days (max. 99)
7. OK-button: You save the input; setpoint T flashes.
8. Setting knob: Set the temperature.
9. Press the ESC-button to return to the menu level; the **clock** flashes. (Change not necessarily required; press the ESC-button again to return to the initial display.)