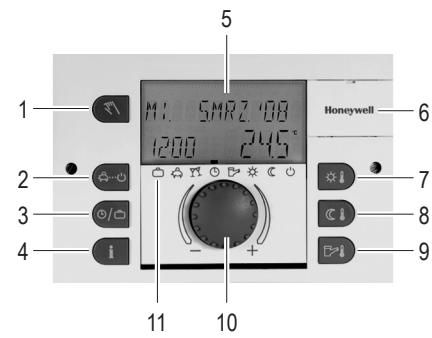


Heating Controller SDC Remote Heating Controller DHC GETTING STARTED

Controller



- 1 "Manual mode" / "Emission measurement" button (not on remote heating controllers)
- 2 "Operating modes" button (basic display)
- 3 "Switching time programs" / "Holiday programs" button
- 4 "System information" button
- 5 Display
- 6 Cover clip for service socket
- 7 "Daytime room temperature" button
- 8 "Night-time room temperature" button
- 9 "Daytime hot-water temperature" button
- 10 Input button (press / turn)
- 11 Operating mode symbols (heating programs)

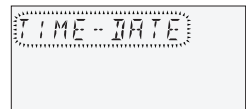
Input button (press/turn) – General functions

Selected setpoints and parameters can be changed with the input button and then saved by pressing the button. The various programs can be selected by turning the input button.

- Turning to the right (+): increases adjustment
- Turning to the left (-): decreases adjustment
- Press: accepts the selected and displayed value
- Press and hold: jumps to the programming level (level selection), jumps back to the previous selection

Flashing elements in the display

In these instructions, flashing elements in the display are indicated as follows:



Basic display

MO. 17 MAR. '08 Day of the week, date, time, heat generator temperature
16:32 63.5°C

The mark (rectangle) over the operating mode symbols indicates the current operating mode.

Special indicators

MO. 17 MAR. '08 Snowflake symbol: System anti-freeze active
*
16:32 63.5°C

MO. 17 MAR. '08 Beach umbrella symbol: Summer de-activation active (heating switched off; hot water by program)
P
16:32 63.5°C

IHW Error message (e.g. hot water) alternates with the basic display: Contact a heating specialist!
ERROR 50--4

Emission measurement

(for boiler maintenance purposes only)

Press the button.

EMISSION
20:00 72.5°C
Remaining time from activation

After pressing the button, the heat generator controls the temperature with regard to the specified maximum temperature. The duration of the emission measurement is limited to 20 minutes and may need to be reactivated.

Cancel: Press the button or wait until expiration of remaining time.

Manual mode

Press and hold the button for 5 seconds.

MANUAL
58.5 72.5°C
Heat generator temperature:
Current actual value
Desired setpoint (flashing)
Set the heat generator temperature to the desired setpoint

Return to automatic operation: Press the button.

Setting daytime room temperature

Press the button.

ROOM DAY
20.0
Change the temperature:
Setting range: 5 to 30°C

Accept the change: or or automatically after the set info time expires.

Setting night-time room temperature

Press the button.

ROOM NIGHT
20.0
Change the temperature:
Setting range: 5 to 30°C

Accept the change: or or automatically after the set info time expires.

NOTE: In operating mode 2, select the respective heating circuit and confirm it by pressing the input button before setting the daytime or night-time room temperature

Setting daytime hot-water temperature

Press the button.

IHW
DAY
50.0
Change the temperature:
Setting range: 5°C to the maximum hot-water temperature

Accept the change: or or automatically after the set info time expires.

Heating curves

With the heating curves, the heating power is adapted to the building condition based on the respective outside temperature.

Correcting slope of heating curve

Entering the menu: for approx. 3 seconds

TIME-DATE
HEATCURVE
HC 68.0
Select the heating circuit:
HC = Direct heating circuit
MC1 = Mixed heating circuit 1
MC2 = Mixed heating circuit 2

HEATCURVE
HC 68.0
Accept the change:

HEATCURVE
15.0 68.0
Correct the characteristic curve:
Room temperature too hot: Reduce setting value
Room temperature too cold: Increase setting value

Accept the change: or automatically after the set info time expires. If necessary, call up additional heating circuits and correct the slopes of the heating curves.

CAUTION

Corrections may only be carried out after a sufficiently long period of steady conditions and in small increments.

Finish (return to basic display): Press the button.

Heating programs

The following heating programs can be selected with the input button after the button is pressed:

1. Short-term programs:

- ABSENT TIL Brief interruption of heating operation in case of absence.
- PARTY TIL Extended heating operation past the regular lowering time.

2. Automatic programs:

- AUTOMATIC Automatic heating and lowering operation by switching time program.
- SUMMER Exclusively hot-water operation by switching time program; heating switched off, but frost protected.

3. Continuous programs:

- HEATING Constant heating operation without time limits.
- RED. HEATING Constant reduced heating operation without time limits.
- STANDBY Frost-proof switch-off of heating and hot water.

Selecting program

When the button is pressed, the last selected program flashes. All other programs can be selected with the input button, whereby the marking (rectangle) above the operating mode symbols indicates the respective symbol.

The selected program is activated by then pressing the input button.

Example: Automatic program

Press the button and select AUTOMATIC.

AUTOMATIC
Accept the change: or

When a time program is selected, the respective accompanying periods such as the return date (HOLIDAY), return time (ABSENT TIL) or extended heating mode (PARTY TIL) can be specified.

Example: Party program

Press the button and select PARTY TIL.

PARTY TIL
18:10
Accept the change: or

PARTY TIL
18:10
Change the time:

Accept the change: or

4. Holiday programs

The holiday programs can be selected with the button.

HOLIDAY Frost-protected switch-off or reduced operation of heating during holidays. Hot water is switched off, but frost protected.

Example: Holiday programs

Press the button, select HOLIDAY and confirm with .

Select holiday block (e.g. HOLIDAY 01) and confirm with .

HOLIDAY 01
2008 11.3
Change the year and date:
Accept the change:

HOLIDAY
TIL
Enter the date:
Accept the change:

System information

After pressing the button, all system temperatures and the operating conditions of all system components can be queried one after another via the Input button.

Press:

- System temperatures (setpoints)

Turn:


- System temperatures (actual values)
- Function and values of variable inputs
- Counter and consumption data

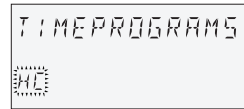
Heating circuit information, such as:

- Program type (HOLIDAY, ABSENT TIL, PARTY TIL, AUTOMATIC etc.)
- Current switching time program (P1 or P1 – P3 after enable)
- Operating mode (daytime operation, lowering operation, switch-off operation)
- Heating circuit depending on the device version (HC = direct heating circuit, MC1 = mixed heating circuit 1, MC2 = mixed heating circuit 2, DHW = hot-water circuit)
- Status of the respective heating circuit pump (OFF-ON)
- Status of the respective mixing motor (OPEN-STOP-CLOS)
- Status of the heat generator (OFF-ON)
- Status and function of the variable outputs



NOTE: The system information appears in accordance with the device version used.

Switching time programming

Entering the "Switching times" level: Press the  button.



(For detailed information see the SDC/DHC operating instructions, GE2H-0220)

Every setting value that flashes in the display is corrected with the input button and accepted by pressing the button. Pressing the  button jumps back to the previous selection. Pressing the  button or waiting the set info time jumps back to the basic display.

1. Selection of the circuit, reloading of default programs, copying

Setting range: Direct heating circuit (HC), mixed heating circuit 1 (MC1), mixed heating circuit 2 (MC2), hot-water circuit (DHW), default programs, copying heating circuits

Continue:  





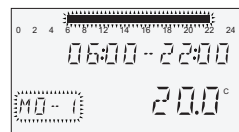
2. Selection of the switching time program

Prerequisite:

Parameter 02 in the "System Parameters" menu is P1-P3.

Setting range: P1, P2, P3



Continue:  

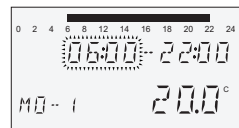


3. Selection of weekday and heating cycle, copying (block building)

Setting sequence: Mon. 1st cycle – Mon. 2nd cycle, Tue. 1st cycle – Tue. 2nd cycle... Sun. 2nd cycle, copy to individual days (Mon., Sun.), weekday block (1–5), weekend block (6–7), entire week (1–7).

NOTE: If the second cycle is occupied, a third cycle is available.



Continue:  

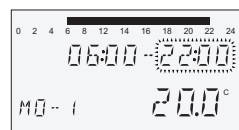


4. Start of heating (switch-on time)

Setting range: 0:00 to 24:00 hours

NOTE: The switch-on time is displayed in the top time bar via a flashing segment.



Continue:  

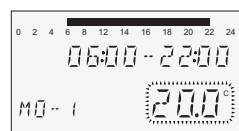


5. End of heating (switch-off time)

Setting range: 0:00 to 24:00 hours

NOTE: The switch-off time is displayed in the top time bar via a flashing segment.



Continue:  



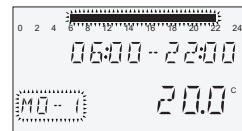
6. Cycle temperature for the selected heating cycle on selected weekday

Setting range: for heating circuits (HC, MC1, MC2): 5 to 30°C
for the hot-water circuit (DHW): 10 to 80°C (or the maximum hot-water temperature)

▲ CAUTION

If the desired daytime room temperature or hot-water temperature is changed with the  or  button, all associated cycle temperatures change by the same value accordingly!

Continue:  



7. Selection of weekday and heating cycle, copying (block building)

If necessary, select the next heating cycle or weekday as described in Step 3 and program it accordingly.

Honeywell

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