









Energy-efficient heating using the RVD25... district heating controller

en Operating instructions

Switch on heating


1. Is the heating system ready for operation? Check the main power switch.
2. Check both date and time.
3. Press  for automatic mode.

Set date and time





Press	Display	Press	... to adjust date and time
	13		Time of day
	14	Non-adjustable	Weekday (1 = Monday, 2 = Tuesday, etc.)
	15		Date (e.g. 02.12 for December 2)
	16		Year

Heat while in automatic mode

Automatic mode controls the room temperature as per the entered heating program.


- Press  (button is lit).

Meaning of information displayed

Bar lit below ...	Meaning
	Maintain nominal room temperature (setting knob used for setting)
	Maintain reduced room temperature
Display	Meaning
	Maintain frost protection temperature
ECO	No heating required at this time based on outside air temperature or the set heating period
f or l	Limitation active
BUS	Controller connected to data bus
	Solar d.h.w. heating


Heat continuously

Continuous mode maintains a constant temperature set via the setting knob.

1. Press  (button is lit).
2. Use setting knob to enter the desired room temperature.





Unspecified absence

Set the plant to protection mode. Heating is off, but the system is protected against frost.



- Press  (button is lit).


Provide domestic hot water

Set the desired temperatures:

Press	Display	Press	... to adjust the desired temperature
	41		Normal d.h.w. temperature
	42		Reduced d.h.w. temperature

There are two ways to provide d.h.w.:








1. Provide d.h.w. using a scheduler program.
 - Press  (button is lit). D.h.w. is provided as scheduled.
2. Provide domestic hot water immediately.
 - Press  for 3 seconds (button is flashing for 3 seconds for confirmation).

D.h.w. is provided via solar panel if your system is set up accordingly. Symbol  indicates solar d.h.w. heating.

Set room temperatures

1. Use the setting knob to set the desired nominal room temperature. The setting is active:
 - In automatic mode during the heating periods entered in the heating program.
 - Always in continuous mode.

2. Use the buttons to set the remaining temperatures as well as the heating curve:

Press	Display	Press	... to adjust the desired temperature
	1	Non-adjustable	Display of current temperature setpoint
	2		Reduced room temperature
	3		Room temperature for holidays/frost protection
	5		Heating curve slope

Adjust room temperature (up or down)

Primarily for mild weather:

Use the setting knob to adjust the room temperature.

Primarily for cold weather:

Adjust the heating curve slope on operating line 5.





- Room temperature too high:
Reduce slope by ca. 0.05.
- Room temperature too low:
Raise slope by ca. 0.05.

Primarily at night:

Adjust the reduced room temperature on operating line 2.

Wait for two days after each adjustment to allow the controlled system to adapt!

Read temperatures

Press	Display	... to read the temperature in °C
	24	Room temperature
	25	Outside air temperature
	26	Domestic hot water temperature
	27	Heating circuit flow temperature

Continued on back page

Change heating periods



1. Select the weekday to change heating periods:

Press	Display	Press	... to adjust the day or the entire week
Prog ▽ ▲	6	← +	1 = Monday 2 = Tuesday, etc. 1-7 = Entire week

2. Enter the desired times for the heating periods for the selected day:

Press	Display	Press	... to adjust beginning and end of the heating periods
Prog ▽ ▲	7	← +	Start of 1 st heating period
Prog ▽ ▲	8	← +	End of 1 st heating period
Prog ▽ ▲	9	← +	Start of 2 nd heating period
Prog ▽ ▲	10	← +	End of 2 nd heating period
Prog ▽ ▲	11	← +	Start of 3 rd heating period
Prog ▽ ▲	12	← +	End of 3 rd heating period

Change the d.h.w. scheduler program



Your controller has a second scheduler program. You can change it on operating lines 17 to 23 if assigned to d.h.w. provisioning:

1. Select the weekday to change d.h.w. scheduler program:

Press	Display	Press	... to adjust the day or the entire week
Prog ▽ ▲	17	← +	1 = Monday 2 = Tuesday, etc. 1-7 = Entire week

2. Enter the desired times to activate d.h.w. provisioning for the selected day:

Press	Display	Press	... to adjust beginning and end of the activation periods
Prog ▽ ▲	18	← +	Start of 1 st period
Prog ▽ ▲	19	← +	End of 1 st period
Prog ▽ ▲	20	← +	Start of 2 nd period
Prog ▽ ▲	21	← +	End of 2 nd period
Prog ▽ ▲	22	← +	Start of 3 rd period
Prog ▽ ▲	23	← +	End of 3 rd period

Domestic hot water is heated to the normal temperature (see "Provide domestic hot water", operating line 41) during activation periods. Between periods, d.h.w. is heated to a reduced temperature (operating line 42).

Plan holidays



You can enter data for max. 8 holiday periods per year:

Press	Display	Press	... to select the holiday number and associated data
Prog ▽ ▲	31	← +	1 for the 1st holiday period of the current year
Prog ▽ ▲	32	← +	Date of first day of holiday for the 1st holiday period
Prog ▽ ▲	33	← +	Date of last day of holiday for the 1st holiday period
Prog ▽ ▲	31	← +	2 for the 2nd holiday period of the current year
etc.	etc.	etc.	etc.

No d.h.w. is provided if a holiday period is active.

Heating system not working properly



- Is your system turned on?
- Are all fuses ok in the system?
- Did you change controller settings?
- Flashing operating mode button? If yes, the room unit is overriding the controller mode.
- Valve disengaged from actuator? If yes, re-engage.
- Operating line 50 displays the error number if an error E_n is displayed. Contact your local heating engineer for more information.

Troubleshoot control failure



Heating control no longer works as intended:

1. Press (manual mode, LED is lit).
2. Press to manually adjust the heat supply via the heating circuit valve.

Contact your heating engineer:

Tips to save energy



- Heat rooms to max. 21 °C during the day.
- Air out briefly, but fully open windows to air out.
- Set thermostatic radiator valves to "Frost protection" when rooms are not used.
- No curtains, furniture, etc. in front of radiators.
- Close window shutters, blinds, etc. at night.
- Regularly check your heating energy consumption.