


Energy-efficient heating with the RVD1... district heating controller


en Operating Instructions

You want to switch the heating on

1. Is the plant ready to operate? Check the mains isolator.
2. Check the time of day and the weekday (for readjustments, refer to section "You want to set the clock").
3. Press  button for automatic mode.



You want to heat in automatic mode

Automatic mode controls the room temperature according to the heating program entered.

1. Press  button for automatic mode (button lights up).


You want to heat in continuous mode

In continuous mode, the room temperature is maintained at the level set with the setting knob.




1. Press button  for continuous mode (button lights up).
2. Adjust the required room temperature with setting knob .

You want to leave your home for a certain period of time

Set the plant to standby. It is then shut down, but will remain protected against frost.







1. Press button  (button lights up).

Meaning of info given in the display

Bar under ... is lit.	Meaning
	Nominal room temperature is maintained (setting made with the setting knob)
	Reduced room temperature is maintained
Display shows	Meaning
	Frost protection temperature is maintained
ECO	Presently no heating required


You want to provide d.h.w.

First, adjust the required temperatures. You are given the choice of a normal and a reduced d.h.w. temperature.


Press ...	Display	Press to adjust the required temperature
			NORMAL d.h.w. temperature setpoint
			REDUCED d.h.w. temperature setpoint

For d.h.w. heating, you have the two choices:

Automatically:












Press button  (button light steady on). The d.h.w. is heated up according to the time switch program.

Manually:

Press button  for 3 seconds (as a confirmation, the button flashes for 3 seconds.). The d.h.w. is immediately heated up.


You want to readjust the temperature required for your rooms

1. Adjust the required nominal room temperature with the setting knob. The setting is active:
 - In automatic mode during the heating periods entered in the heating program
 - Always in continuous mode
2. Adjust the other temperatures and the heating curve using the buttons:


Press ...	Display	Press to adjust the required temperature
		Non-adjustable	Display of adjusted setting knob temp.
			Room temperature for reduced heating
			Room temp. for holidays/frost protection
			Heating curve slope

Your rooms are too cold or too warm

Especially in mild weather:

Readjust the room temperature with setting knob .

Especially in cold weather:













- Readjust the heating curve slope on operating line :
- Room temperature too high: reduce slope by about 0.5
 - Room temperature too low: raise slope by about 0.5

Especially in the night:

Readjust the temperature for reduced heating on operating line .




Each time you have made a room temperature readjustment, wait two days. The controlled system requires time to adapt!

You want to set the clock



















Press ...	Display	Pressto set the time of day and the weekday
			Time of day
			Weekday
			Date (e.g. 02.12 = 2 nd December)
			Year

You want to change the heating periods

1. Select weekday whose heating periods you want to change:

Press ...	Display	Pressto select the weekday or the entire work
			1 = Monday 2 = Tuesday, etc. 1-7 = entire week

2. For the selected weekday, enter the times required for the heating periods:

Press ...	Display	Pressto adjust the start and the end
			Start of first heating period
			End of first heating period
			Start of second heating period
			End of second heating period
			Start of third heating period
			End of third heating period



You want to read the temperatures

Press ...	Display	... to read the temperature in °C
	[24]	Room temperature
	[25]	Outside temperature
	[26]	D.h.w. temperature
	[27]	Heating flow temperature



Which input has which number?

- Press operating mode button lit.
- Select the individual numbers by pressing .

Number	Input	Number	Input
0	B9	3	A6
1	B1	4	B7
2	B3	5	B71

Contact your heating engineer.



You want to return to the factory settings

Following parameters will revert to the factory settings:

- The setpoints
- The time switch programs
- The heating curve slope

Press ...	Display	Press both buttons for 3 seconds	... to check
	[49]		1 = factory settings



You want to change the d.h.w. program

Your controller has a second time program. If it is assigned to d.h.w. heating (contact your heating engineer), you can change it on operating lines [1] to [7]:

- Select weekday whose program you want to change:

Press ...	Display	Press to select the weekday or the entire week
	[1]		1 = Monday 2 = Tuesday, etc. 1-7 = entire week

- For the selected weekday, enter the times required for enabling d.h.w. heating:

Press ...	Display	Pressto set the start and the end of the enabling periods
	[18]		Start of first period
	[19]		End of first period
	[20]		Start of second period
	[21]		End of second period
	[22]		Start of third period
	[23]		End of third period

During the enable phases, the d.h.w. is heated up to the normal temperature (set on operating line [4]), between the phases to the reduced temperature (set on operating line [2]).



Energy savings tips

- During the day, do not allow room temperatures to exceed 21 °C
- Air rooms for only short periods of time only, but with the windows fully open
- In unoccupied rooms, set the thermostatic radiator valves to their frost protection position
- Make certain there are no curtains, furniture, etc., in front of the radiators
- Close shutters and blinds whenever possible
- Check heat consumption at regular intervals



Your heating system does not operate as required

- Check error messages. Should faults occur, the display shows **Er** (error) and an error code. Contact your heating engineer and give him the error code displayed.

Press ...	Display	... to read the error code
	[50]	10 = error outside detector
		30 = error flow temperature detector
		40 = error return temperature detector on the primary side
		42 = error return temperature detector on the secondary side
		50 = error d.h.w. temperature detector
		61 = error room unit

- Does one of the operating mode buttons flash? In that case, the controller's operating mode is overridden by remote operation
 - Are all fuses of the plant in order?
 - Have controller settings been changed?
 - Has the valve been disengaged from the actuator? If yes, engage it again



The controlled system has become defective

If the proper functioning of your heating control system is no longer ensured, press button (manual operation, button lights up). Now, you can manually regulate the supply of heat via the heating circuit valve by pressing buttons

Inform your heating engineer.