

Energy-efficient heating with the RVD12... and RVD14... district heating controllers

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 date (for readjustments, refer to section "You want to set the clock").
3. Press **Auto** button for automatic mode.

Meaning of info given in the display

Bar under ... is lit	Meaning
°C	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
f or j	A limitation is active
BUS	Controller connected to the data bus
☀️	Solar d.h.w. charging (certain controller types only)

You want to heat in automatic mode

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

1. Press **Auto** 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 protection mode. It is then shut down, but will remain protected against frost.

1. Press button **🏠** (button lights up).

You want to provide d.h.w.

Adjust the required temperatures:

Press ...	Display	Press to adjust the required temperature
Prog ▽ ▲	41	← →	Normal d.h.w. temperature setpoint
Prog ▽ ▲	42	← →	Reduced d.h.w. temperature setpoint

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

- You want to heat up d.h.w. according to the time switch program
 1. Press button **🕒** (button light steady on). The d.h.w. is heated up according to the time switch program.
- You want to heat up d.h.w. immediately
 1. Press button **☀️** for 3 seconds (as a confirmation, the button flashes for 3 seconds).

The d.h.w. is heated with a solar collector provided that your plant is equipped accordingly. The symbol **☀️** indicates that solar d.h.w. is heated.

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
Prog ▽ ▲	1	← →	Display of adjusted setting knob temperature
Prog ▽ ▲	2	← →	Room temperature for reduced heating
Prog ▽ ▲	3	← →	Room temperature for holidays / frost protection
Prog ▽ ▲	5	← →	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 5

- Room temperature too high: reduce slope by about 0.05
- Room temperature too low: raise slope by about 0.05

Especially in the night:

Readjust the temperature for reduced heating on operating line 2

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

You want to set the clock

Press ...	Display	Press to set the time of day and the date
Prog ▽ ▲	13	← →	Time of day
Prog ▽ ▲	14	← →	Non-adjustable Display of weekday 1 = Monday, 2 = Tuesday etc.
Prog ▽ ▲	15	← →	Date (e.g. 02.12 = 2 nd December)
Prog ▽ ▲	16	← →	Year

You want to read the temperatures

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

You want to change the heating periods

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

Press ...	Display	Press to select the weekday or the entire week
Prog ▽ ▲	6	← +	1 = Monday 2 = Tuesday etc. 1-7 = entire week

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

Press ...	Display	Press to adjust the start and the end
Prog ▽ ▲	7	← +	Start of first heating period
Prog ▽ ▲	8	← +	End of first heating period
Prog ▽ ▲	9	← +	Start of second heating period
Prog ▽ ▲	10	← +	End of second heating period
Prog ▽ ▲	11	← +	Start of third heating period
Prog ▽ ▲	12	← +	End of third heating period

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
Prog ▽ ▲	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, you can change it on operating lines 17 to 23:

1. Select weekday whose program you want to change:

Press ...	Display	Press to select the weekday or the entire week
Prog ▽ ▲	17	← +	1 = Monday 2 = Tuesday etc. 1-7 = entire week

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

Press ...	Display	Press to set the start and the end of the enabling periods
Prog ▽ ▲	18	← +	Start of first period
Prog ▽ ▲	19	← +	End of first period
Prog ▽ ▲	20	← +	Start of second period
Prog ▽ ▲	21	← +	End of second period
Prog ▽ ▲	22	← +	Start of third period
Prog ▽ ▲	23	← +	End of third period



During the enable phases, the d.h.w. is heated up to the normal temperature (set on operating line 41) and between the phases to the reduced d.h.w. temperature (set on operating line 42).

Your heating system does not operate as required

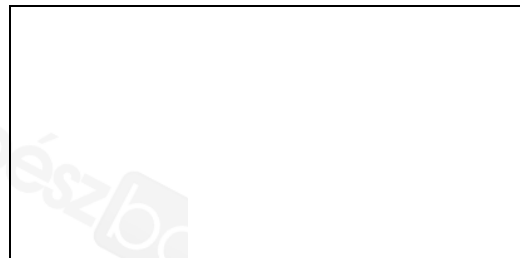
- Is the plant switched ON?
- Are all fuses of the plant in order?
- Have controller settings been changed?
- Does one of the operating mode buttons flash? In that case, the controller's operating mode is overridden by remote operation
- Has the valve been disengaged from the actuator? If yes, engage it again
- Should faults occur, the display shows Er (Error) and an error code is displayed on operating line 50. Contact your heating engineer for details

The controlled system has become defective

The proper functioning of your heating control system is no longer ensured:

1. Press button  (manual operation, button lights up)
2. Adjust the supply of heat via the heating circuit valve manually by pressing buttons 

Inform your heating engineer.



Energy savings tips

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