

Energy-efficient heating with RVP34.. and RVP35.. heating controllers

en Operating Instructions

Switching on the heating system

1. Is your heating system ready for operation? Check the main switch.
2. Check time of day and date.
3. Press **Auto** for automatic operation.

Setting the time of day and the date

| Press | Display | Press | ... to set the time of day and the date |
|-------------|---------|-------|---|
| Prog ▽ ▲ | 38 | ← → | Time of day |
| Prog ▽ ▲ | 39 | ← → | Non-adjustable |
| Prog ▽ ▲ | 40 | ← → | Date (e.g. 02.12 for December 2) |
| Prog ▽ ▲ | 41 | ← → | Year |

Meaning of symbols on the display

| Bar lit below ... | Meaning |
|-------------------|--|
| | NORMAL room temperature is maintained |
| | REDUCED room temperature is maintained |
| | Holiday mode |
| Display | Meaning |
| | Frost protection temperature is maintained (protection mode) |
| ECO | No heating required at this time, due to outside temperature level |
| f or J | Limitation active |
| BUS | Controller connected to data bus |
| | Solar d.h.w. heating |

Automatic operation

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

- Press **Auto**

If **Auto** flashes, the room unit or an external contact overrides the heating program.

Continuously NORMAL heating

NORMAL heating maintains continuously the normal room temperature.

- Press

Continuously REDUCED heating

REDUCED heating maintains continuously the reduced room temperature.

- Press

Absent for a certain period of time

Set the system to standby (protection mode). Heating is switched off, but the plant remains protected against frost.

- Press

Setting the room temperatures

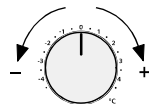
Use the buttons to set the desired room temperatures:

| Press | Display | Press | ... to set the desired room temperature |
|-------------|---------|-------|---|
| Prog ▽ ▲ | 1 | ← → | Setpoint for NORMAL heating |
| Prog ▽ ▲ | 2 | ← → | Setpoint for REDUCED heating |
| Prog ▽ ▲ | 3 | ← → | Setpoint for holiday/protection mode |

Rooms are too cold or too warm

1. Rooms are too cold / too warm **irrespective of weather conditions:**
Readjust the room temperature with the setting knob.

- Room temperature too low:
Turn setting knob toward +
- Room temperature too high:
Turn setting knob toward -



2. Rooms are too cold / too warm **in mild weather:**
Readjust the heating curve as follows:

| Press | Display | Press | ... to readjust the flow temp. setpoint at an outside temp. of 15 °C |
|-------------|---------|-------|--|
| Prog ▽ ▲ | 14 | ← → | Rooms are too cold: Increase by about 5 °C Rooms are too warm: Decrease by about 5 °C |

3. Rooms are too cold / too warm **in cold weather:**
Readjust the heating curve as follows:

| Press | Display | Press | ... to readjust the flow temp. setpoint at an outside temp. of -5 °C |
|-------------|---------|-------|--|
| Prog ▽ ▲ | 15 | ← → | Rooms are too cold: Increase by about 5 °C Rooms are too warm: Decrease by about 5 °C |

After each room temperature readjustment, wait 2 days to allow the controlled system to adapt!

Changing the heating phases

1. Select the weekday whose heating phases you wish to change:

| Press | Display | Press | ... to change the day or the entire week |
|-------------|---------|-------|---|
| Prog ▽ ▲ | 4 | ← → | 1 = Monday 2 = Tuesday, etc. 1-7 = whole week |

2. Enter the desired times for the heating phases of the selected day:

| Press | Display | Press | ... to change start and end of the heating phases |
|-------------|---------|-------|---|
| Prog ▽ ▲ | 5 | ← → | 1st heating phase, start of NORMAL heating |
| Prog ▽ ▲ | 6 | ← → | 1st heating phase, end of NORMAL heating |
| Prog ▽ ▲ | 7 | ← → | 2nd heating phase, start of NORMAL heating |
| Prog ▽ ▲ | 8 | ← → | 2nd heating phase, end of NORMAL heating |
| Prog ▽ ▲ | 9 | ← → | 3rd heating phase, start of NORMAL heating |
| Prog ▽ ▲ | 10 | ← → | 3rd heating phase, end of NORMAL heating |

To deactivate a heating phase, change its start (display **5**, **7**, **9**) until --:-- appears.

Setting the d.h.w. temperatures and providing d.h.w.



D.h.w. can be provided, depending on the type of controller and the settings.

Set the desired d.h.w. temperatures:

| Press | Display | Press | ... to set the desired d.h.w. temperature |
|-------------|---------|-------|---|
| Prog ▽ ▲ | 26 * | ← → | Setpoint for NORMAL d.h.w. temperature |
| Prog ▽ ▲ | 27 * | | Display of current d.h.w. temperature. |
| Prog ▽ ▲ | 28 * | ← → | Setpoint for REDUCED d.h.w. temperature |

* Only if d.h.w. heating is available

There are 2 ways to provide d.h.w.:

1. To heat the d.h.w. as per scheduler program, press briefly . The d.h.w. is then heated according to the time scheduler set by your heating engineer:

- As per time scheduler 2
- As per heating program
- 24 hours per day
- Check as desired

2. To heat the d.h.w. immediately, press for 3 seconds (button flashes for 3 seconds for confirmation).

D.h.w. is provided via solar collector if your plant is set up accordingly.

Symbol indicates solar d.h.w. heating.

Changing time scheduler 2



Your controller (depending on type) has a second time scheduler. Your heating engineer set it for:

.....

It can be changed as follows:

1. Select the weekday whose times you wish to change:

| Press | Display | Press | ... to change the day or the entire week |
|-------------|---------|-------|--|
| Prog ▽ ▲ | 31 | ← → | 1 = Monday 2 = Tuesday, etc. 1-7 = entire week |

2. Enter the times desired for the ON phases of the selected day:

| Press | Display | Press | ... to set start and end of the ON phases |
|-------------|---------|-------|---|
| Prog ▽ ▲ | 32 | ← → | Start of 1st ON phase |
| Prog ▽ ▲ | 33 | ← → | End of 1st ON phase |
| Prog ▽ ▲ | 34 | ← → | Start of 2nd ON phase |
| Prog ▽ ▲ | 35 | ← → | End of 2nd ON phase |
| Prog ▽ ▲ | 36 | ← → | Start of 3rd ON phase |
| Prog ▽ ▲ | 37 | ← → | End of 3rd ON phase |

Entering the holiday plan



When entering a holiday period, the room temperature will be reduced to the holiday setpoint (holiday mode) for that period of time.

Set the holiday period as follows:

| Press | Display | Press | ... to set start and end of the holiday period |
|-------------|---------|-------|--|
| Prog ▽ ▲ | 12 | ← → | Date of first day (Day.Month) |
| Prog ▽ ▲ | 13 | ← → | Date of last day (Day.Month) |

- D.h.w. is not heated during active holiday periods
- When the holiday period is over, the respective data are deleted
- Holiday periods can be deactivated by changing the date of the first day **12** until --:-- appears

Your heating system does not work properly



- Is your heating system turned on?
- Are all fuses in the plant ok?
- Did you change controller settings?
- Does the operating mode button flash? If yes, the room unit is overriding the controller's operating mode
- Has the actuator been disengaged from the valve? If yes, reengage
- If **Er** (error) is displayed, operating line **50** shows the error number and contact your heating engineer for more information

Troubleshooting



Your heating system no longer works as intended:

1. Press (manual control, LED lights up).
2. Press to manually adjust the supply of heat via the heating circuit valve.
3. Contact your heating engineer.

Tips to save energy!



- During the day, do not allow room temperatures to rise above 21 °C
- Air rooms only briefly with windows fully open
- In unoccupied rooms, set the thermostatic radiator valves to the frost protection position
- Make certain that there are no curtains, furniture, etc., in front of the radiators
- Close window shutters, blinds, etc. at night
- Do not set the d.h.w. temperature above the required level