

REV24RF.. - 7-day radio room temperature controller for the right temperature at the right time. All factory settings already provide optimal living comfort. You can easily adjust the controller to your needs with the user-assisted clear-text display and program selection slider.

REV24RF.. (controller with radio transmitter) is a wireless device that you can mount on the wall or place freely on a base in the room.

Its radio frequency 868 MHz is largely immune to external disturbances. The signal level meets regulations and is kept as low as possible. The devices are approved for all EU member states, Iceland, Norway, and Switzerland.

Note the following for placing the devices:

- Make sure no other influencing factors influence the controller's temperature sensor (no solar radiation and other heat or cold source influences).
- The distance between controller and receiver may not exceed 20 m or 2 floors.
- Do not place near metallic items or electrical devices, etc..

If the selected operating mode does not support the setting, the time display shows **PASS**.

**Special symbols displayed**

The controller display can show the following special symbols:

**Is symbol displayed ?**

**The alarm indicates an error!**

Press the Info button and check the error message (e.g. radio clock signal, radio connection to receiver, etc.). Contact a specialist as needed.

**Is symbol or displayed?**

The controller is in "heating mode" or "cooling mode" .

**Is a rolling triangle symbol displayed ?**

The controller sends a control telegram to the receiver.

**Is symbol displayed ?**

**This symbol tells you that you must exchange the batteries within the next 3 months.**

Insert 2 new alkaline batteries type AA, 1.5 V as follows:

Remove the controller from the mounting base; open the battery compartment on the rear; remove the old batteries; insert the new batteries and reinsert the controller in the base.

**Caution: Time and date are retained for max. 1 minute.**  
(All other settings remain unchanged).

Dispose of the batteries as per regulations.

**Is symbol displayed ?**

The radio clock symbol only appears if the receiver is set up and activated to receive the time signal from Frankfurt (Germany). A permanent symbol indicates that both time and date of the controller are synchronized to Frankfurt (DCF77).

The symbol flashes if the signal is not received for more than 1 week.

**Commission receiver RCR10/868**

The factory setting connects the receiver in the RF/SET to the controller. After commissioning, it does not require maintenance.

Press the override button on the receiver to manually override the relay. After ca. 15 minutes, the relay again follows the controller's control telegrams.

The relay turns off after a voltage interruption as well as 60 minutes after receipt of the last control telegram.

Receiver and controller can be manually connected. Press button "LEARN" for ca. 4 seconds on the receiver: The blue LED\_2 flashes slowly, learning mode is active. Press button "LEARN" within 20 minutes on the controller for ca. 4 seconds: The blue LED\_2 briefly flashes quickly; LED\_1 goes from red to green.

Max 15 receivers can be connected to 1 controller.

**Commission the controller and quick start**

The controller contains a factory-set comfort switching pattern and temperature values. Proceed as follows for initial commissioning:


	Remove the controller from the mounting base and pull off the black insulating tape from the 2 batteries: The controller turns on automatically. Reinsert the controller in the mounting base.
	After startup, a welcome message appears for ca. 2 minutes. Press a button to interrupt the message. Language selection starts with "ENGLISH" (factory setting). Press  or  until your language appears. Press  or move the slider to accept your language.
	Slider in position 1 (time setting): Press  or  to set the time. Note: No entry if there is a time signal receiver (DCF77).
	Slider in position 2 (date: day/month/year): Press  or  to set the date. Note: No entry if there is a time signal receiver (DCF77).
<b>RUN</b>	Move the slider to the very right to position RUN (only way to close the cover).
	Set the operating mode with the operating mode selector. Factory setting .

Fold the operating instructions and reinsert in the mounting base.


**Tips to save energy without reducing comfort**

- Heat your rooms to max 21 °C.
- Use to switch to energy saving temperature even if you are absent only briefly.
- Air out your rooms briefly, but with wide-open windows.

## Turn on display lighting, check error messages or other important information

	Press the Info button once to activate display backlighting. Backlighting goes off automatically after a short time. Continuing to press the Info button activates the information display: <b>Info</b> is lit. The device first shows pending error messages and then important information (e.g. switching programs, ...).
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## Change the temperature level in the time switch program, or are you not at home for a while?

	In the time switch program, press this button to change from the current temperature level to the next and back. Quickly activate energy saving temperature when you leave the apartment briefly to save energy. The change appears on the display. It is valid only until the next switching time.
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## Select operating mode

Press the operating mode button  to select one of 5 modes.

## Operating modes with time program




The controller offers both time programs **Automatic**  and **Exception day** .

### Do you feel too warm / too cold ?



Press  or  to set the temperature. The setting is temporary and active only until the next time the controller activates a change.

Note: To set your own programs, see: "Enter customized temperatures and switching times".

## Continuous operating modes



















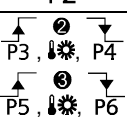



The controller offers continuous operating modes "Continuous comfort mode" , "Continuous energy saving mode"  and protection mode (frost or overheating) .

### Do you feel too warm / too cold ?

Press  or  to set a continuous temperature.

## Enter customized temperatures and switching times


The controller has three different switching patterns that you can allocate to the weekday blocks 1-5, the weekend block 6-7, or to the individual days 1...7.  
Proceed as follows:

	Select operating mode  or  .
	Slider in position 3 (weekdays <b>1-5</b> , weekend <b>6-7</b> , individual days <b>1..7</b> ): Press  or  to select the block (weekdays, weekend) or individual day. Note: Making changes to individual days destroys the corresponding block. You can only restore a destroyed block by Reset the controller.
	Slider in position 4 (number of comfort phases): Press  or  to set the number of comfort phases.
	Slider in position 5 (start time comfort phase 1): Press  or  to set the start time.
	Slider in position 6 (temperature comfort phase 1): Press  or  to set the temperature.
	Slider in position 7 (end time comfort phase 1): Press  or  to set the end time.
	Slider positions 8...10 (comfort phase 2) and slider positions 11...13 (comfort phase 3): Same procedure as above for comfort phase 1.
	Slider in position 14 (energy saving temperature in time switch programs Automatic and Exception day): Press  or  to set the temperature. Note: The energy saving temperature is valid Monday through Sunday. It does not depend on operating mode "Continuous energy saving".
<b>RUN</b>	Move the slider to RUN position and close the cover.
















Notes (e.g. individual settings):

## Enter holidays or absence







You can enter start, temperature and end of your holidays. The controller switches to the set holiday temperature at the start of the holidays and back to the preset operating mode at the end of the holidays.

During holiday mode, symbol  flashes and the end of the holidays is displayed.






Proceed as follows:

	Slider in position 15 (start of absence): Press  or  to set the start of the holidays (date).
	Slider in position 16 (temperature during absence): Press  or  to set the temperature effective during the holidays.
	Slider in position 17 (end of absence): Press  or  to set the end of the holidays (date).
<b>RUN</b>	Move the slider back to RUN. Symbol  appears to the left of symbol  . To quit holiday mode prematurely, press  ,  ,  ,  or move the slider.






## Reset to factory settings

	Press  and  together with the operating mode button  for 3 seconds. All temperature and time settings are reset to default values. The clocks starts at 12:00.
	
	
<b>Caution: All customized settings are lost !</b>	




### Factory settings: Heating

	 20 °C
	16 °C
	8 °C
	12 °C



### Factory settings: Cooling

	 24 °C
	28 °C
	35 °C
	30 °C

### Factory settings: Switching times










Comfort phases	P1	P2	P3	P4	P5	P6
1. 	07:00	23:00	PASS	PASS	PASS	PASS
2. 	06:00	08:00	17:00	22:00	PASS	PASS
3. 	06:00	08:00	11:00	13:00	17:00	22:00

## Activate Party mode

You can activate Party mode only in operating modes  and . In Party mode, the device controls to any selectable temperature for any selectable time.

In Party mode, symbol  is displayed along with the end of Party mode.

Proceed as follows:

	<ol style="list-style-type: none"> <li>Press  for 3 seconds.</li> <li>Press  or  to set the duration for Party mode. Party mode can last max. 9 hours. The entry is accepted after 20 seconds or when you press .</li> <li>Press  or  to set the temperature.</li> <li>Party mode ends automatically after the Party duration ends or when you press  or .</li> </ol>
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## Test the radio connection

Press **Test** on the rear of the controller. The quality of the radio connection is displayed on the controller display and on LED\_2 of the receiver.

The test is automated. The controller shows the quality of the radio connection e.g. for all connected receivers (max. 15) during 10 minutes:

- The numbers next to "RCR" designates the tested receiver.
- The bar under numbers 0...9 shows the receiver's signal strength.



Press  or  to select a receiver; press ,  or  to cancel the test.

The receiver shows the signal strength at LED\_2. It is lit either green (very good reception), orange (good reception), or red (bad or no reception). In the case of bad reception, reduce the distance between room unit and receiver.