en Operating instructions

REV24.. - 7-day 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.

Note the following for placing the controller:

- Make sure no other influencing factors influence the controller's temperature sensor (no solar radiation and other heat or cold source influences).

Display

Labels (left side): Day of week · Low battery · Info mode · Installer mode · Temperature setpoint symbols · Text display · Alarm · Cooling mode / Heating mode · Switching pattern with time cursor · Radio Clock active · Date · Setting: 1-5, 6-7, 1..7/ Reading: 1..7

Labels (right side): Time display · Remote control active · Holiday mode · Automatic mode · Party mode active · Exception day mode · Continuous comfort mode · °C or °F · Continuous energy saving mode · Heating On / Cooling On · Protection mode · Temperature display

Operating elements and settings

Operating mode selector:
- Automatic
- Exception day
- Comfort mode
- Energy saving mode
- Protection mode

Info button

Increase values, set time or make a selection

Change between Comfort and energy saving temperature (active until next switching time) and Party function

Decrease values, set time or make a selection

Program selection slider

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
	Time setting	Date	Weekdays 1-5 / Weekend 6-7 / Individual days 1..7	1, 2 or 3 Comfort phases	Start time Comfort phase 1	Temperature Comfort phase 1	End Comfort phase 1	Start time Comfort phase 2	Temperature Comfort phase 2	End Comfort phase 2	Start time Comfort phase 3	Temperature Comfort phase 3	End Comfort phase 3	Saving temp. time program	Start Absence	Temperature Absence	End Absence	Temperature remote control	Slider positions

RUN

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 🔋 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 are fixed and 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.

Is symbol ♨ or ❄ displayed ?

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

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: You do not need to enter the time when DCF77 receiver for the time signal from Frankfurt (Germany) is equipped.
dd mm yy	Slider in position 2 (date: day/month/year): Press + or − to set the date. Note: You do not need to enter the date when DCF77 receiver for the time signal from Frankfurt (Germany) is equipped.
RUN	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 is 🕐Auto.

Fold the operating instructions and reinsert in the mounting base.

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: **Info** is lit. The device first shows pending error messages and then important information (e.g. switching programs, ...).

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.

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.

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 🕐Auto 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 time and date

⏰	Slider in position 1 (time setting): Press ⊞ or ⊟ to set the time.
dd mm yy	Slider in position 2 (date: Day/month/year): Press ⊞ or ⊟ to set the date.
RUN	Reset the slider to the RUN position.
Note:	You do not need to enter time and date when DCF77 receiver for the time signal from Frankfurt (Germany) is equipped. The time display shows **PASS**.

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 🕐Auto or 🗓️.
1-5 6-7 1..7	Slider in position 3 (weekdays 1−5, weekend 6−7, individual days 1..7): 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.
↑ P1	Slider in position 5 (start time comfort phase 1): Press ⊞ or ⊟ to set the start time.
❶ ☀️	Slider in position 6 (temperature comfort phase 1): Press ⊞ or ⊟ to set the temperature.
↓ P2	Slider in position 7 (end time comfort phase 1): Press ⊞ or ⊟ to set the end time.
↑P3, ❷☀️, ↓P4 ↑P5, ❸☀️, ↓P6	Slider positions 8…10 (comfort phase 2) and slider positions 11…13 (comfort phase 3): Same procedure as above for comfort phase 1.
1-7 ❄️	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".
RUN	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).
RUN	Move the slider back to RUN. Symbol 🧳 appears to the left of symbol 🕐Auto. To quit holiday mode prematurely, press ◯, ⊞, ⊟, 🎉 or move the slider.

## Enter temperature for active remote control

With remote control, you are free to select the temperature. Activating remote control immediately enables control to the remote operating temperature regardless of the current operating mode. After you switch off remote control, the device returns to the set operating mode.

Symbol ☎ flashes with active remote control.

Proceed as follows:

🌡️☎	Slider in position 18 (temperature for active remote control): Press ⊞ or ⊟ to set the temperature for active remote control.
RUN	Move the slider back to RUN.

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. **Caution: All customized settings are lost !**

Factory settings: Heating			**Factory settings: Cooling**		
♨️	❶🌡️☀️, ❷🌡️☀️, ❸🌡️☀️, ☀️	20 °C	❄️	❶🌡️☀️, ❷🌡️☀️, ❸🌡️☀️, ☀️	24 °C
	1-7 🌡️❄️, 🌙	16 °C		1-7 🌡️❄️, 🌙	28 °C
	⌂	8 °C		⌂	35 °C
	🌡️🧳, 🌡️☎	12 °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 🕐Auto and 🗓️. In Party mode, the device controls to any selectable temperature for any selectable time.

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

Proceed as follows:

🎉	1. Press 🎉 for 3 seconds. 2. 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 🎉. 3. Press ⊞ or ⊟ to set the temperature. 4. Party mode ends automatically after the Party duration ends or when you press 🎉 or ◯.