Operating instructions REA32…

REV32… - the temperature controller that allows you to set the ideal room temperature at the time you want. There are several switching patterns available that can be set to suit your specific needs. You can either rely on the factory settings or make settings tailored to your personal needs

Display

☀ Normal temperature	▲ Actuator / valve opening
☾ Economy temperature	▼ Actuator / valve closing
🗂 Holiday mode	▭ Replace batteries
⏻ Standby	☎ Remote operation active (if connected)

Weekday (1=Monday / 7=Sunday)
Active normal temperature
Room temperature (measured)
Time of day
Switching pattern with time cursor

Settings

Symbol	Description
⏲ Day	Time/weekday
1 - 5 / 6 - 7 / 1…7	Allocation of block/day/switching pattern
P.1 P.2 P.3…	Switching times P.1...P.6
☀☀☀ T1 T2 T3	Normal temperatures T1...T3
☾	Economy temperature
🗂	Holiday period
Auto Run	Operating position

Changing the setting values
Button for switching pattern
Block/day button
Setting slider

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Operation

Warmer/colder setting
valid up to the next switching point (increments of 0.2 ºC, ± 4 ºC max.)

Change
between normal and economy mode up to the next switching point

Operating mode selector

Weekly mode
with up to 3 heating periods per day

24-hour mode
with 1 heating period

24-hour mode
with 2 heating periods

24-hour mode
with 3 heating periods

Continuous normal temperature T3

Continuous economy temperature

Standby
with frost protection

Auto 1...7 You use the weekly setting with up to three heating periods per day.

You use the 24-hour setting with one heating period.

You use the 24-hour setting with two heating periods.

You use the 24-hour setting with three heating periods.

Do you require continuous normal temperature?

☀ T3   Move the operating mode selector to «Normal temperature». This ensures continuous heating to the normal temperature T3. The display shows ☀ and $T3$.

Do you require continuous economy temperature?

☾   Move the operating mode selector to «Economy temperature». This ensures continuous heating to the economy temperature. The display shows ☾.

Do you require continuous standby with frost protection?

⏻   Move the operating mode selector to «Standby». In that case, heating is provided only when the room temperature falls below the preset frost protection limit (e.g. 5 °C). The display shows ⏻.

Do you feel too warm or too cold?

⊕ / ⊖ ▮°C   By pressing these buttons, you increase or decrease the actual room temperature in increments of 0.2 °C by a maximum of ± 4°C. The display first shows the newly selected temperature and then the actual value again. **These changes are valid only up to the next switching point.** *If, as a result of the factory settings, you always feel either too warm or too cold, you should readjust the temperatures (e.g. T1) to suit your needs.*

Do you want to change the temperature level or will you be absent for a short time?

○ ☀/☾   When pressing this button, you change from the current temperature level to the other. The display shows either ☀, when the change was made from the economy temperature, or ☾, when it was made from the normal temperature. This means you can select the economy temperature during the time you are absent. **These changes are valid only up to the next switching point.**

Commissioning with quick startup

The controller is supplied with factory-set switching patterns, switching times and temperatures. To commission it, proceed as follows:

Remove the black transit tabs from the two batteries. Check to see if the battery holder is in its correct position. The controller switches itself on and requires about 150 seconds for initialization.

Day ⏲   Move the setting slider to this position. Press buttons ⊖ ⊕ to set the correct time of day.

Day ○ 1 - 5 / 6 - 7 / 1…7   Press the button to set the correct weekday (1 = Monday…7 = Sunday).

Auto Run   Move the setting slider back to position on the right, because only that position allows you to close the cover.

Select the required operating mode with the operating mode selector (e.g. **Auto 1...7**).

Fold up operating instructions again, place them back into the cover and close the cover again.

Do you want to use automatic operation?

If that is the case, move the operating mode selector to one of the following positions:

Do you want to enter your own temperatures and heating periods?

The controller has three different switching patterns which can be assigned to the respective weekday block 1-5 / weekend block 6-7 or individual days 1…7.

Proceed as follows:

Auto 1...7 — Move the operating mode selector to the required position (e.g. **Auto 1...7**), enabling its blocks and switching patterns to be set.

1 - 5 / 6 - 7 / 1 ... 7 — Move the setting slider to the position where the blocks (weekday 1-5, weekend 6-7 or day 1…7) and switching patterns can be set.

Day ◯ **1 - 5 / 6 - 7 / 1 ... 7** — Press this button to select the required block (weekday 1-5 / weekend 6-7) or individual day (1…7).

If you make settings for individual days, the respective block will be cancelled and can be reinstated only by making a reset.

Press this button to assign the required switching pattern to the block.

If a position cannot be set, the display shows **PA 55**.

P.1 — Select the switching position (e.g. P.1) and press ⊟ ⊞ to enter the required switching time.

T1 ☀ — Select the temperature position (e.g. T1) and press ⊟ ⊞ to enter the required temperature.

T1 is the temperature between the switching points P.1 and P.2, T2 the temperature between the switching points P.3 and P.4, and T3 the temperature between the switching points P.5 and P.6.

☾ — Select "Economy temperature" and press ⊟ ⊞ to enter the required value.

The setting steps described above must be appropriately repeated for both blocks (weekday and weekend), individual days or operating modes ⊓⊓⊓, ⊓⊓ *and* ⊓.

Auto / Run — Move the setting slider back to this position and close the cover.

Do you want to check your settings?

Auto 1...7 — Move the operating mode selector to the position at the top.

Day ◯ **1 - 5 / 6 - 7 / 1 ... 7** — Press button. The switching patterns set for the individual days are shown in consecutive order.

Table for entering selected values

Enter the values set by you in the following table. The numbers already contained in the table represent factory settings.

Operating mode	Block/weekday	Switching times T1 (P.1)	T1 (P.2)	T2 (P.3)	T2 (P.4)	T3 (P.5)	T3 (P.6)	Temp T1 ☀	Temp T2 ☀	Temp T3 ☀	☾
Auto 1...7	1-5 Mo-Fr	6.00	8.00	11.00	13.00	17.00	22.00	19° C	20° C	21° C	16° C
	6-7 Sa-Su	7.00	23.00	PASS	PASS	PASS	PASS	19° C	PASS	PASS	16° C
	1 Mo										
	2 Tu										
	3 We										
	4 Th										
	5 Fr										
	6 Sa										
	7 Su										
⊓	1...7 Mo-Su	7.00	23.00	PASS	PASS	PASS	PASS	19° C	PASS	PASS	16° C
⊓⊓	1...7 Mo-Su	6.00	8.00	17.00	22.00	PASS	PASS	19° C	20° C	PASS	16° C
⊓⊓⊓	1...7 Mo-Su	6.00	8.00	11.00	13.00	17.00	22.00	19° C	20° C	21° C	16° C
☀T3	1...7 Mo-Su	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	21° C	PASS
☾	1...7 Mo-Su	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS		16° C

Will you go on holiday?

You can enter the start and the duration of your holiday period. In that case, the controller switches to economy mode at the beginning of the holiday period and back to the selected operating mode when the holiday period has expired. During the holiday period, the display shows 🧳 and the number of days left.

Proceed as follows:

🧳 — Move the setting slider to the holiday symbol.

Day ◯ **1 - 5 / 6 - 7 / 1 ... 7** — Press this button to set the start of the holiday period (max. 6 days in advance; 1 = Monday…7 = Sunday) and press ⊟ ⊞ to enter the duration of the holiday period (99 days max.).

Auto / Run — Move the setting slider back to this position and close the cover.

If you return from your holidays earlier than expected, reset the holiday period to **00**.

Do you need to change the time of day or the weekday?

Day / ⊕ — Move the setting slider to the time of day / weekday position and press ⊟ ⊞ to set the required time of day.
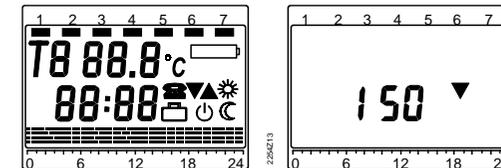
Day ◯ **1 - 5 / 6 - 7 / 1 ... 7** — Press this button to select the new weekday (1 = Monday…7 = Sunday).

Auto / Run — Move the setting slider back to this position and close the cover.

Do you wish to return to the factory settings?

⊕ / °C / ⊟ ⊞ — By pressing these three buttons simultaneously, a complete reset is made, which means that the switching times and temperatures will be reset to their default values. **Caution: all individual settings will be lost!** At the same time, a display check is made, which looks as follows:

The controller requires about 150 seconds for initialization.

Does the 🧳 symbol appear in the display?

If this symbol appears, you need to replace the batteries within the next three months.

Do you want to change the batteries?

- Get two new alcaline batteries type AA, 1.5 V.
- Remove the battery holder, then the batteries, insert the new batteries and replace the battery compartment. **Caution: the setting data are maintained for a maximum of one minute only!**
- Make certain the old batteries are disposed of properly, in compliance with environmental requirements.

Energy saving tips without sacrificing comfort

- Never allow room temperatures to exceed 21 °C.
- Press ◯ (☾) to change to economy temperature, even if you are absent for short periods of time only.
- Air out the rooms for short periods of time only, but properly, with the windows wide open.

Auxiliary functions

Your room temperature controller provides a number of auxiliary functions, but these should only be set by your heating engineer.