

REV22RF – the room temperature controller that allows you to set the ideal room temperature at the times you want. There are several switching patterns available that can be set to suit your individual needs. You can either rely on the factory settings or make adjustments that satisfy your personal needs.

The radio transmission frequency of 868 MHz has been selected such that interference with other radio signal receivers is rather unlikely. Also, the power of the radio signal transmitted is considered safe from the legal point of view.

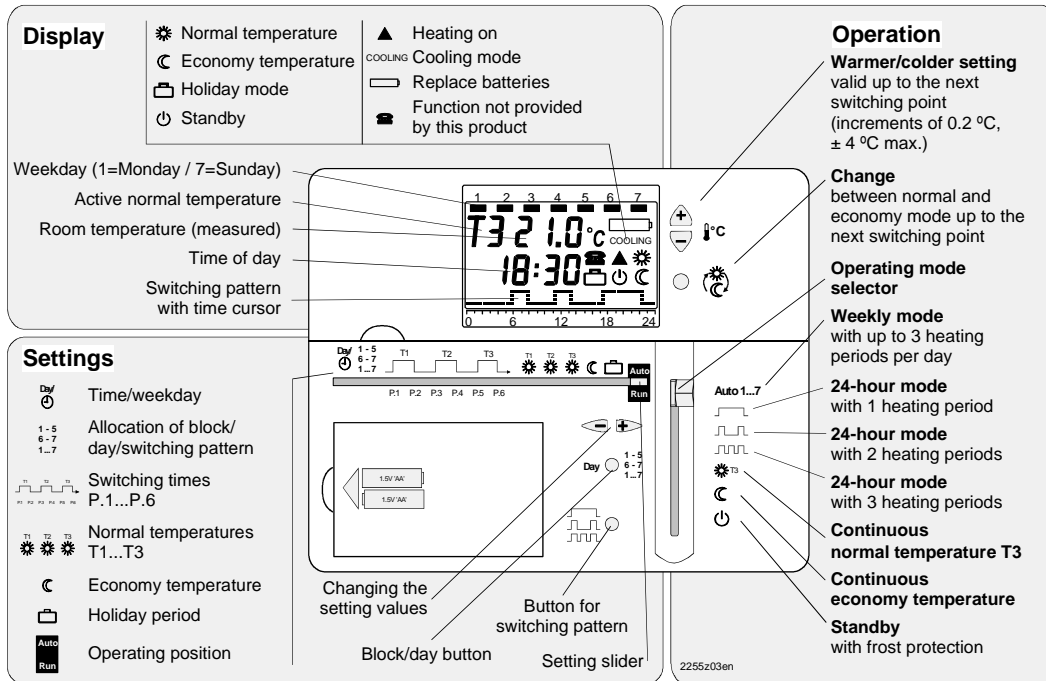
The units are approved in all EU countries and in Switzerland.

The controller / transmitter REV22RF is battery-powered (wireless) and can be mounted on the wall or placed somewhere in the room on a flat surface (the unit is supplied completely with an appropriate support). When locating the controller / transmitter in the main living room, the following points must be observed:

- The distance to the receiver should not exceed 20 m or 2 floors
- The temperature sensor incorporated in the unit should be able to measure the room temperature as accurately as possible, with no effects from direct solar radiation or other heat or refrigeration sources
- Location in the room above 1.5 m above the floor

To ensure troublefree transmission and reception, the following points should be observed when locating the controller / transmitter and receiver:

- Not on metal surfaces, not in metal cabinets, etc.
- Not in the vicinity of electrical cables and equipment such as PCs, TV sets, microwave appliances, etc.
- Not in the vicinity of large metal structures or construction elements with fine metal meshes (special glass / special concrete)



Commissioning with quick start-up

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

- Remove the black transit tabs from the 2 batteries. Check to see if the battery holder is in its correct position. The unit switches itself on.
- Move the setting slider to the position indicated on the left. Press buttons to set the correct time of day.
- Press the button to select the current weekday (1 = Monday...7 = Sunday).
- Move the setting slider back to the position on the far 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 the Operating Instructions again, place them back into the hinged cover of the transmitter and close cover again.

Commissioning the receiver (the following steps are normally carried out during the commissioning phase):

After switching on power, press the "Reset" button for about 4 seconds (LED flashes briefly). Then, press the "Set" button for about 3 seconds until the green LED lights up. The receiver's learning readiness time is a maximum of 25 minutes. If no signal is received from the transmitter during that period of time, repeat the same step again. When commissioning is completed, no more operation is required.

The LED responds as follows:

- LED flashes briefly = a signal from the transmitter is received
- LED steady on = relay energized (controlled device ON)
- LED is dark = relay de-energized (controlled device OFF)

Do you require automatic operation?

- If that is the case, move the operating mode selector to one of the following positions:
- Auto 1...7** You use the weekly setting with up to 3 heating periods per day.
- You use the 24-hour setting with one heating period.
- You use the 24-hour setting with 2 heating periods.
- You use the 24-hour setting with 3 heating periods.

Do you require continuous normal temperature?

- 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?

By pressing these buttons, you increase or decrease the 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 only valid 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 period of 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 that you can select the economy temperature during the time you are absent. **These changes are only valid up to the next switching point.**

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

The controller has 3 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:

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

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.

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**.

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

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 .

Move the setting slider back to this position and close the cover.



Do you want to check your settings?

Move the operating mode selector to the position at the top.

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						Temperatures			
		T1	T2	T3	T1	T2	T3	°C	°C	°C	°C
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
	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	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.

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.).



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?



Move the setting slider to the time of day / weekday position and press to set the required time of day.



Press this button to select the new weekday (1 = Monday...7 = Sunday).

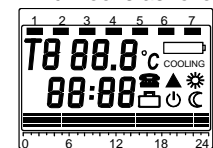


Move the setting slider back to this position and close the cover.

Do you wish to return to the factory settings?



By pressing these 3 buttons simultaneously, a complete reset is made, which means that the switching times and temperatures will be reset to their default values. At the same time, a display check is made, which looks as follows:



Caution: all individual settings will be lost!

Does the symbol appear on the display?

If this symbol appears, you need to replace the batteries within the next 3 months.

- **Do you want to change the batteries?**
Get 2 new alkaline 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 controller provides a number of auxiliary functions, but these should only be set by your heating engineer.