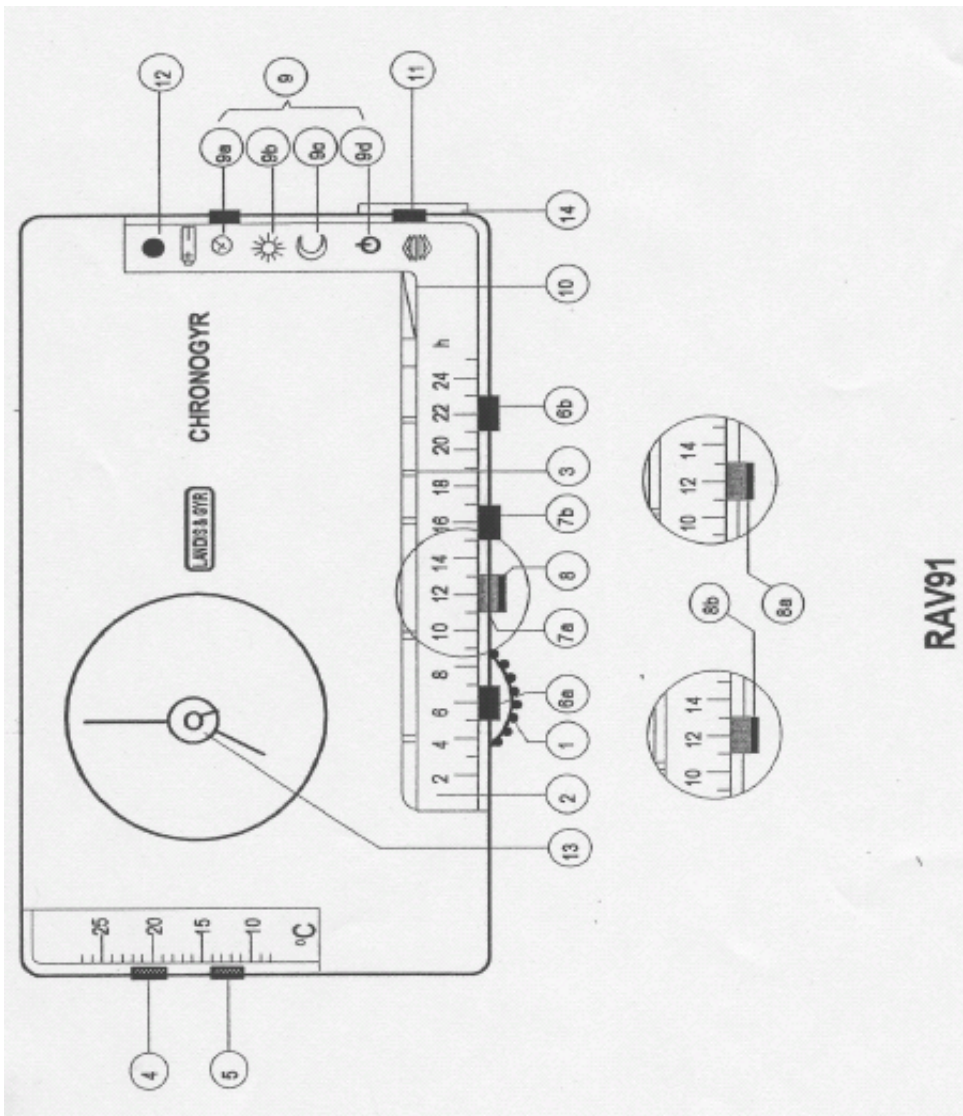


SIEMENS

Landis & Gyr RAV 91 Operating Instructions



Operation, Settings, Readings

1) Setting wheel for time switch

When setting the time switch, note items (2) and (3) (wheel can be turned in both directions).

2) 24-Hour Scale

Showing the 24-hour day. This scale is used to select the heating program by means of the setting sliders (6a) (6b) (7a) (7b).

3) Time indicator

Indicating the time of day (e.g. 7.00 h or 19.00 h)

4) Normal room temperature

Here you set the room temperature you require when you are at home. Recommendation: 19...21 °C.

5) Reduced room temperature

Here you set the room temperature you require at night or when you leave the house for a few hours or for the weekend. Guide value: 10...15 °C.

6a) Start of the normal heating program in the morning

The time to be set here should be about ½ - 1 hour prior to the time you usually get up. This is the time when normal heating starts (red).

6b) End of the normal heating program in the evening

The time to be set here should be about ½ - 1 hour prior to the time you usually go to bed. This is the time when reduced heating starts (blue).

Overriding of the normal heating program in the evening

7a) Start of override function

The time to be set here should be about ½ hour prior to the time you go to work. This is the time when reduced heating starts (blue).

7b) End of override function

The time to be set here should be about 1 hour prior to the time you usually get home from work. This is the time when normal heating starts (red).

8) Overriding of the normal heating program: YES or NO

Selection of the automatic overriding function

8a) Blue section pulled out

Normal heating program is overridden (for weekdays).

8b) Blue section pushed back

Normal heating program is not overridden (for Saturdays, Sundays, or holidays)

9) Selection of the heating program

The heating program is selected here according to the symbols.

9a) Position (clock) means:

Operation of the heating system according to the automatic time switch program set with the sliders (6a) (6b) (7a) and (7b).

- From red to blue on normal room temperature.
- From blue to red on reduced room temperature.

9b) Position (sun) means:

This position provides continuous normal room temperature (4). The automatic heating program according to the time switch is inoperative.

9c) Position (moon) means:

This position provides continuous reduced room temperature (5). The automatic heating program according to the time switch is inoperative.

9d) Position (readiness) means:

This position provides no heating, but the heating system is ready to operate. Also, it is automatically put into the operation and maintains a room temperature of 8°C whenever there is a risk of frost in the living room.

10) Indication of the actual mode of operation

Window is red: normal heating program.

Window is blue: reduced heating program.

11) Override Switch

This switch is used to manually override the automatic time switch program. This means that you can change over from normal (red) to reduced (blue) heating and vice versa. After the next switching operation, the heating system returns to the automatic time switch program.

Note: The override switch is operative only if;

- The program selector slider (9) is set to (9a)
- The last automatic switching operation took place more than 45 minutes ago.

12) Battery Check

This light is used to check the condition of the batteries.

Procedure: Move the program selector slider (9) upwards:

- Red lamp lights up: Batteries are still in good condition.
- Red lamp does not light up: replace batteries with new ones.

13) Operation Check

Must turn (in steps of seconds)

14) Instructions for replacing the battery

Batteries are replaced every 4 to 5 years (see also item 20).

Heating and Saving Tips

Maintain your room temperature at 20°C to 21°C (4), never above, because every additional degree increases your heating costs by 6 to 7 percent. However, if you feel comfortable at 18°C then set the temperature to 18°C – and you reduce your heating costs by 6 to 7 percent.

When you sleep, you lie in your warm bed. So why should you maintain normal room temperature? Reduce the temperature at night (5) to perhaps 12°C or 15°C.

If you leave the house for more than two hours (when you go shopping, for example), set your heating system to reduced operation (10).

If you are absent for several days (e.g. holidays, weekends), you should set your heating system to frost protection operation (9d).

Check if your heating system does not switch too early to normal temperature and too late to reduced temperature. If necessary, change the switching times (6a) (6b) (7a) (7b).

Renewing the room air by having the windows slightly open is expensive, so don't do it. Renew the room air by opening the windows fully, but only for short periods of time.

If you don't have the thermostatic radiator valves in your house, it's time to fit them, because they reduce the consumption of heat. Contact your heating installer and ask for RADIAGYR.

During the warm season, when heating is not required, you should switch off your heating installation on the room unit (17).

Did you know...

- That with CHRONOGRYR you can heat less at night, i.e., the room temperature can be reduced. (5)
- That you can also heat less during the day, if you are a working couple. (5) (7).
- That CHRONOGRYR operates your heating system fully automatically according to a pre selected program (6) (7) (8).
- That you can switch the automatic heating program off without erasing it (9).
- That with CHRONOGRYR you can operate and also switch off your heating system from your living room.
- That CHRONOGRYR switches your heating system automatically off when it is warm enough outside and on again, when this becomes necessary.

- That CHRONOGRYR offers energy savings with frost protection operation when you leave the house for several days (e.g. during your holiday). (9d)

Replacing the Batteries

- 1) Insert screw driver in the slot of the black baseplate and press slightly down. (see fig. 1)
- 2) Remove unit by swinging it upwards (see fig. 2).
- 3) Remove old batteries (3 pieces) and replace by new batteries according to symbols.
Recommended type of battery: Alkaline type, leaking proof.
- 4) Replace unit in baseplate and swing downward (must engage in baseplate)
- 5) Check if the unit is fitted properly.
- 6) Set correct time.

