AURATON Pavo R

Instruction manual version 20201130
The document contains information on the safety, installation, and use of the AURATON Pavo R.

Weekly, wireless thermostat (transmitter)

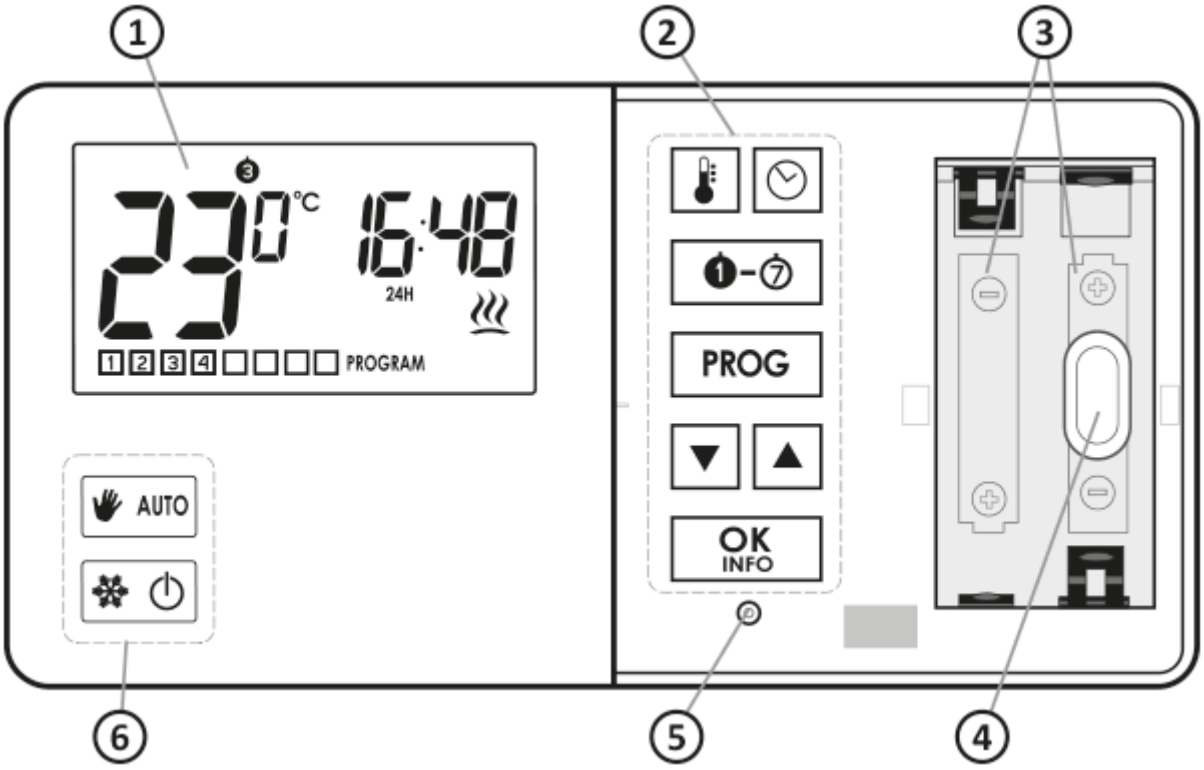
AURATON Pavo R (transmitter) is a weekly, wireless thermostat designed to work with the AURATON Aries and with the AURATON Fornax.

	8 independent temperatures per day AURATON Pavo R allows you to set up to eight independent temperatures per day with an accuracy of one minute. The user can choose time intervals for different temperatures depending on his/her requirements.
	Calibration of temperature indications (offset) It allows temperature adjustment with a tolerance of ±3 °C.
	Interference-free communication between devices The transmitter and the receiver from the AURATON Pavo R set communicate at 868 MHz. Very short, encrypted data transmission packets (approx. 0.004 sec.) ensure efficient and interference-free operation of the device.
LCD	**Backlit LCD display** Due to a backlit display, we can monitor the operation of the device even in a poorly lit room (3 backlight colours to choose from).

Description of the AURATON Pavo R

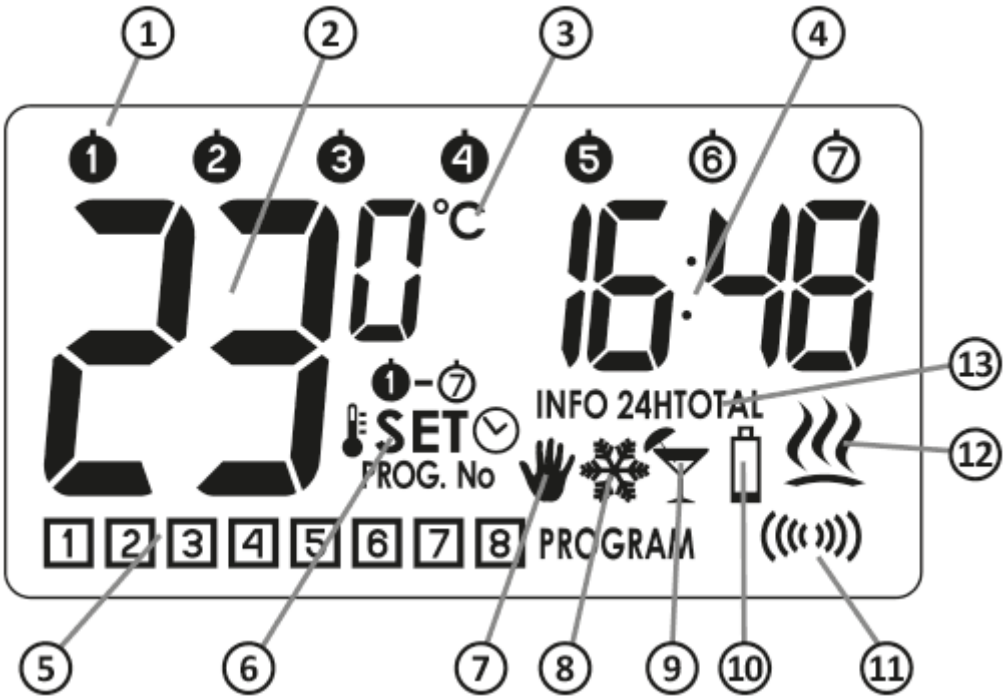
weekly, wired thermostat (transmitter)

On the right side of the front part of AURATON Pavo R you will find a sliding cover. Slide it open to see the buttons. The cover can be removed for battery replacement.



1. LCD display
2. Programming buttons
3. Place for 2 batteries (AA LR6 1.5 V)
4. Mounting hole
5. RESET button
6. Operating mode selection buttons

Display



1. **Day of the week** (①-⑦) – Indicates what day of the week it is. Each day is assigned a number.
2. **Temperature** – AURATON Pavo R displays the temperature of the room in which it is installed in normal operation mode.
3. **Temperature unit** – Tells you that the temperature is displayed in Celsius degrees (°C).
4. **Clock**
   Time is displayed in a 24-hour system.
5. **Program number** (1-8)

   It shows the total number of stored user-defined programs.
6. **Setting mode indicator (SET)**

   The word SET appears on the display when the user changes one of the following settings of AURATON Pavo R:

SET	– temperature
SET	– time
1-7 SET	– day of the week

SET PROG. No – program

7. **Manual control indicator ( )**

   It indicates the operation of AURATON Pavo R in manual mode

8. **Anti-freeze mode indicator ( )**

   It indicates the operation of AURATON Pavo R in anti-freeze mode.

9. **Holiday mode indicator ( )**

   It indicates that AURATON Pavo R operates in holiday mode.
   (see chapters: 'Temperature programming' and 'Holiday mode').

10. **Low battery ( )**

    The indicator is visible when the minimum permissible battery voltage level is exceeded. The batteries need to be replaced as soon as possible.

    IMPORTANT:
    In order to maintain any programmed parameters, the battery replacement operation should not exceed 30 seconds.

11. **Broadcast symbol ( )**

    It indicates communication with the AURATON Aries or AURATON Fornax receiver.

12. **AURATON Pavo R power-on symbol ( )**

    The segment showing the working status of the device. Visible when the controlled device is switched on.

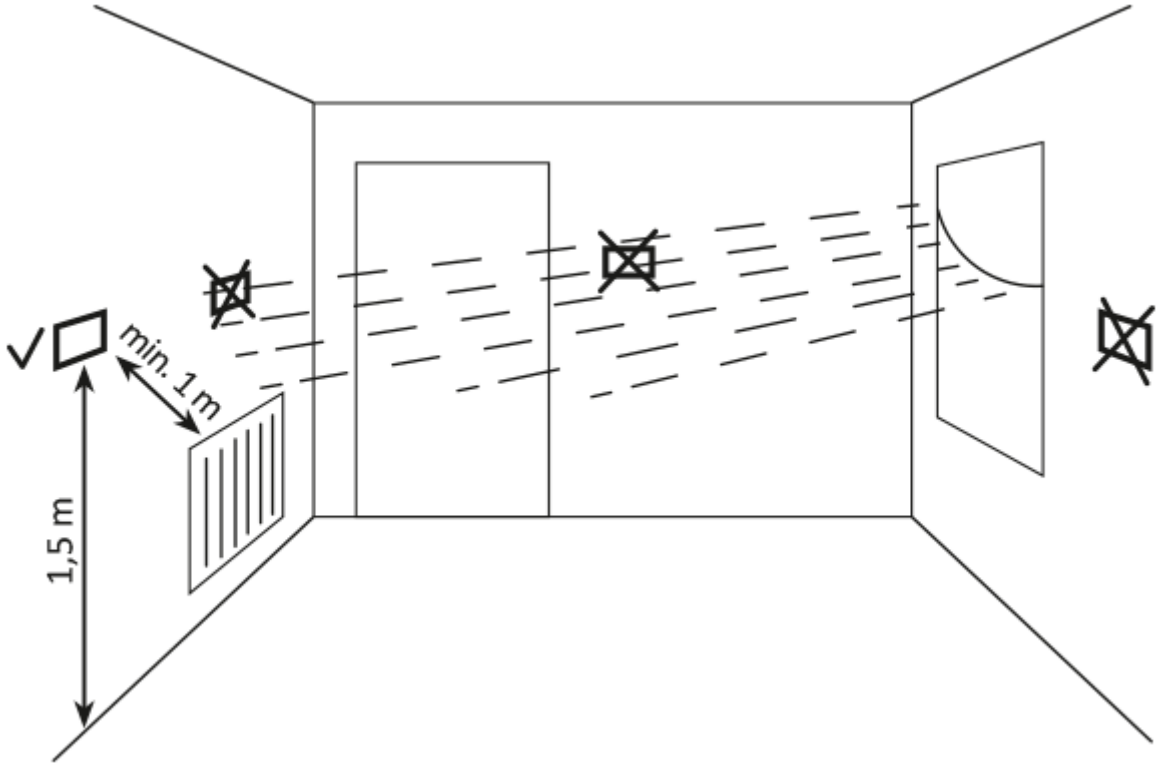
13. **Information about the work of AURATON Pavo R (INFO):**

INFO	– current program settings
INFO 24H	– relay operation time during the last 24 hours
INFO TOTAL	– total operation time of the relay since the start of AURATON Pavo R

NOTE:

The 'RESET' function of AURATON Pavo R resets both time meters to zero (INFO 24H, INFO TOTAL)

Choosing the right location for AURATON Pavo R



The correct operation of AURATON Pavo R is largely influenced by its location. Using the device in a place with no air circulation or a place with direct sunlight may result in incorrect temperature control. AURATON Pavo R should be installed on the internal wall of a building (a partition wall), in an environment with free air circulation. You should avoid proximity to heat-emitting devices (TV, heaters, refrigerators) or locations exposed to direct sunlight. The vicinity of doors and exposing AURATON Pavo R to possible vibrations may also cause problems with proper operation of the device.

Battery replacement

If the low battery symbol ( ) appears on the display, it means that the battery level has fallen to the minimum allowable level. Replace the batteries as soon as possible.

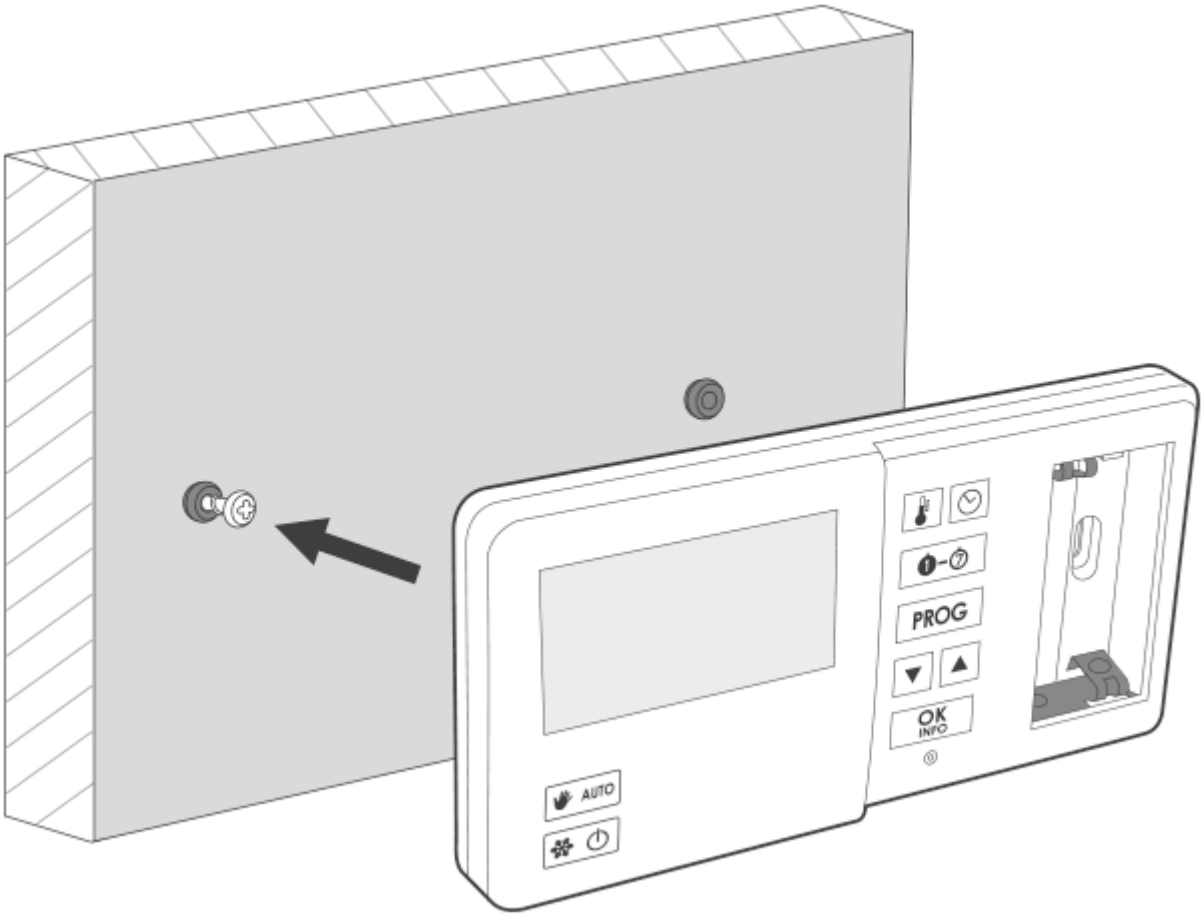
IMPORTANT:
In order to maintain any programmed parameters, the battery replacement operation should not exceed 30 seconds.

NOTE:
We recommend using alkaline batteries to power AURATON thermostats. Do not use “rechargeable batteries” because their rated voltage is too low.

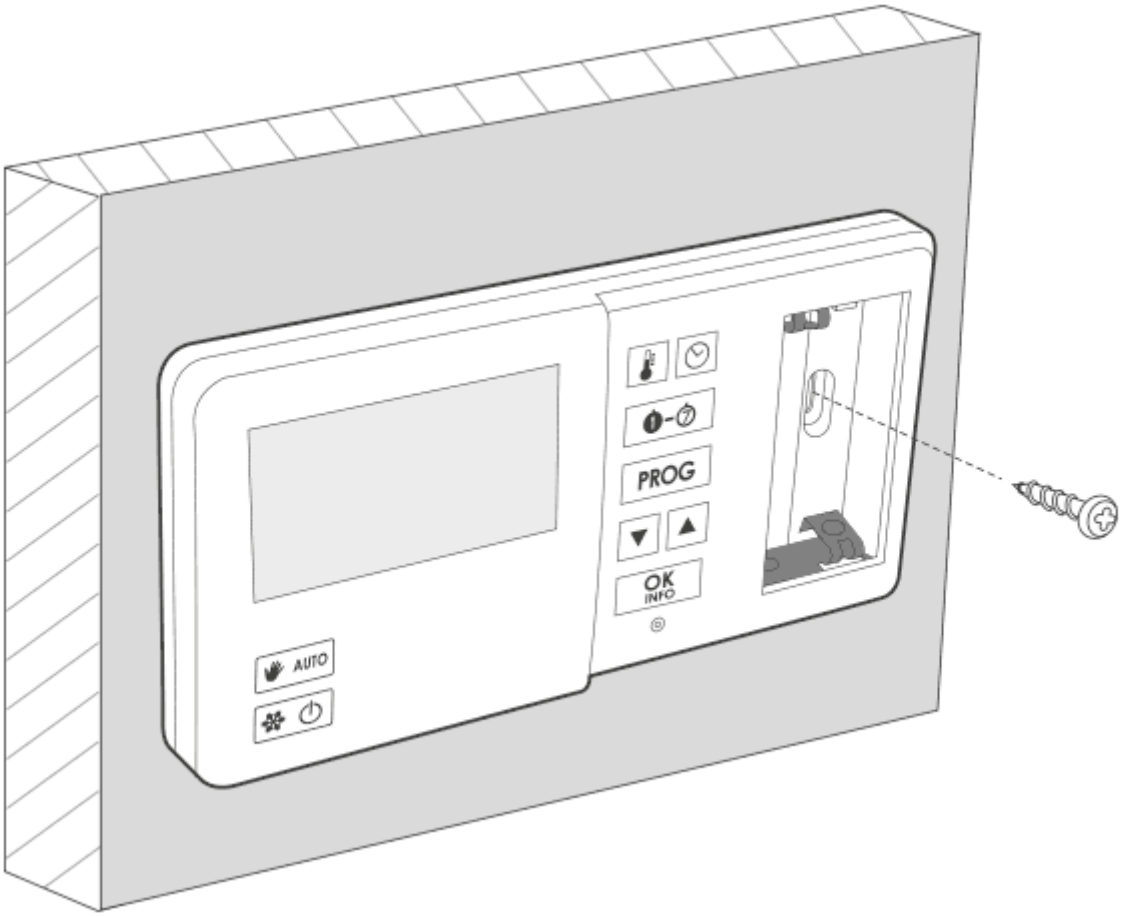
Mounting AURATON Pavo R – the weekly, wired thermostat

In order to mount AURATON Pavo R on the wall:

1. Drill two holes 6 mm in diameter in the wall (mark the hole spacing using the template attached to the manual).
2. Insert the wall plugs (included).
3. Tighten the left screw with a 3 mm clearance.
4. Place AURATON Pavo R through the screw head and slide to the right (note the keyhole-like opening on the rear cover of AURATON Pavo R).



5. Tighten up the right screw so that it holds AURATON Pavo R mounted securely.

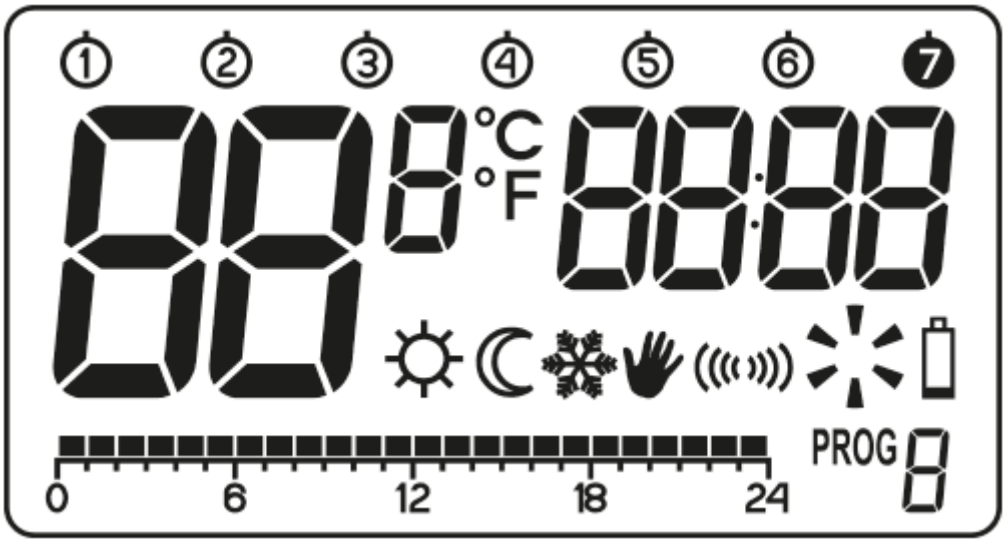


NOTE:

In the case of a wooden wall, there is no need to use wall plugs. It is enough to drill holes with a diameter of 2.7 mm (instead of 6 mm) and screw the screws directly into the wood.

Turning AURATON Pavo R on for the first time

After inserting the batteries correctly into the battery compartment, the LCD screen will display all the segments for a second (display test) and then the software version number.



After a while, AURATON Pavo R will automatically go to the hour setting. An item flashing on the screen indicates that it is currently in editing mode. Use the ▼▲ buttons to set the desired hour and confirm the setting with the OK INFO button.

AURATON Pavo R will go to the minute setting. Use the ▼▲ buttons again to set the desired minute

value and confirm the setting by pressing the OK INFO button.

A flashing day of the week symbol appears in the upper left corner. Use the ▼▲ buttons to set the desired day and confirm the selection with the OK INFO button. AURATON Pavo R will enter its normal operating mode.

1 – Monday	⑥ – Saturday
2 – Tuesday	⑦ – Sunday
3 – Wednseday	
4 – Thursday	
5 – Friday	

NOTE:
If no button is pressed for 60 seconds in the initial setting mode, the thermostat will automatically assume the default time of 12:00 and Monday (1) as the day of the week.

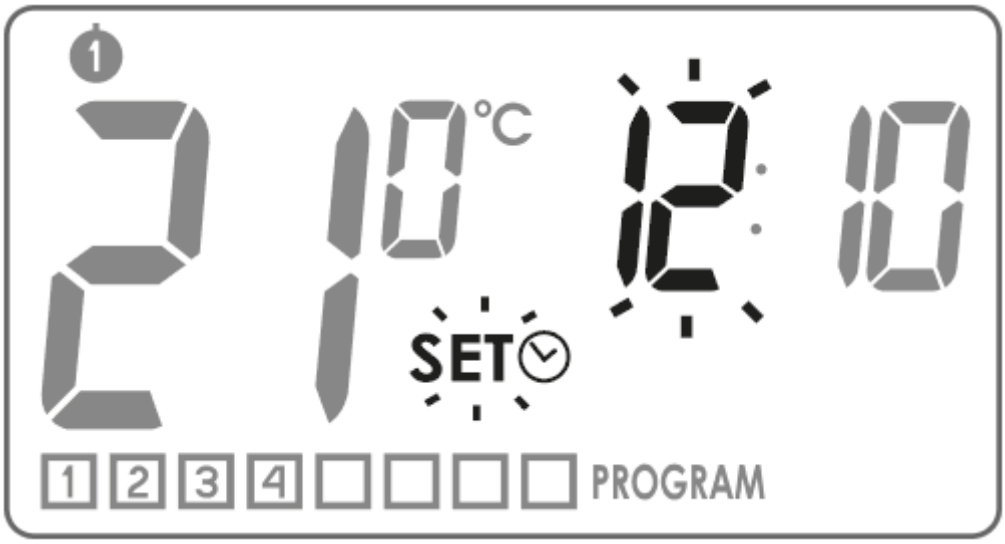
NOTE:
When programming any other functions, not pressing any button for 10 seconds is equivalent to using the OK INFO button.

Setting the clock

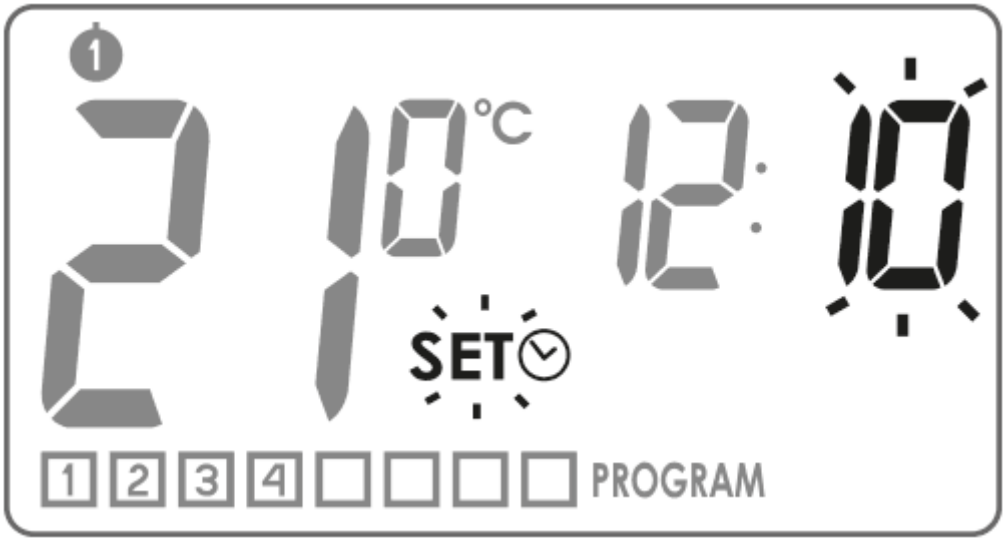
To set the clock:

1. Press and hold the button until the display shows the icon indicating that the thermostat has entered the SET, time setting mode and the hour segment starts flashing.

2. Use the ▼▲ buttons to set the correct hour.



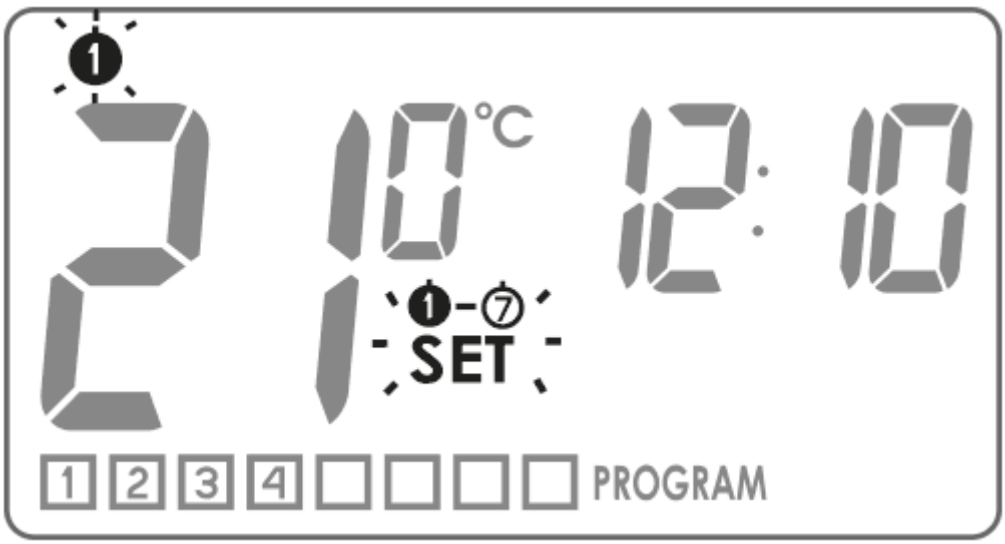
3. Press the OK INFO or ⏲ button. The minute segment starts flashing. Use the ▼▲ buttons to set the desired minute value.
4. Confirm the setting with the OK INFO or ⏲ button.



Selecting the day of the week

To set the day of the week:

1. Press the
   
   button. One of the digits symbolising the relevant day of the week  , will start flashing on the display.
2. Use the  buttons to select the correct day of the week.
3. Confirm the above settings with the  or  .



LO HI temperature

If the ambient temperature is below 5°C, the display will show **„LO”.**

If the ambient temperature is above 35°C, the display will show **„HI”.**

Programming

The AURATON Pavo R memory stores up to eight weekday programs, eight Saturday programs and the same number of Sunday programs. This allows exceptionally precise planning of the temperature in the building depending on the time of day.

Factory programs (to be modified)

	1 2 3 4 5 **weekdays**
prog.	start time temperature

1

2

3

4

6:00
8:30
15:00
23:00

21 °C
20 °C
21 °C
19 °C

⑥ saturdays

prog.

start time

temperature

1

2

6:00
23:00

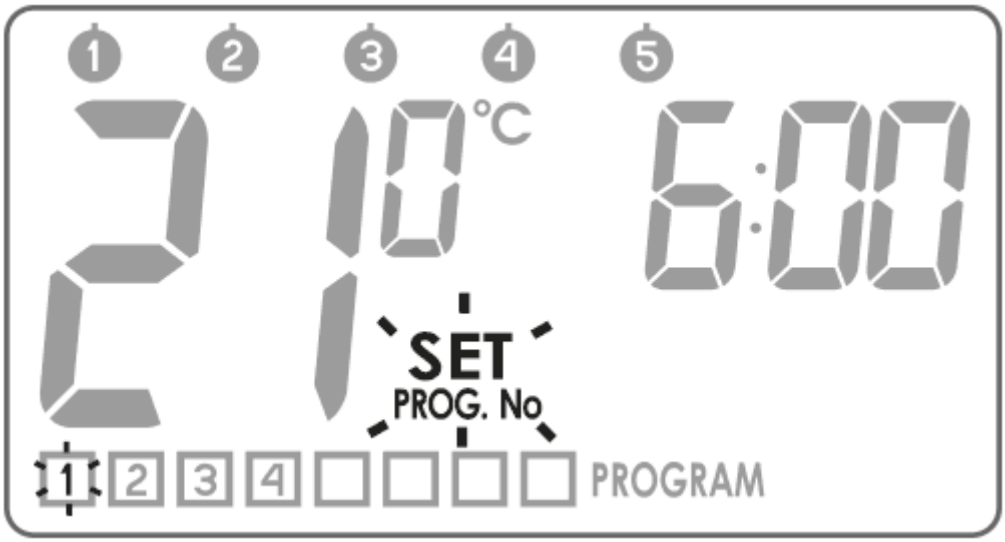
21 °C
19 °C

⑦ sundays

prog.	start time	temperature
1		
2	6:00	21 °C
	23:00	19 °C

To start programming:

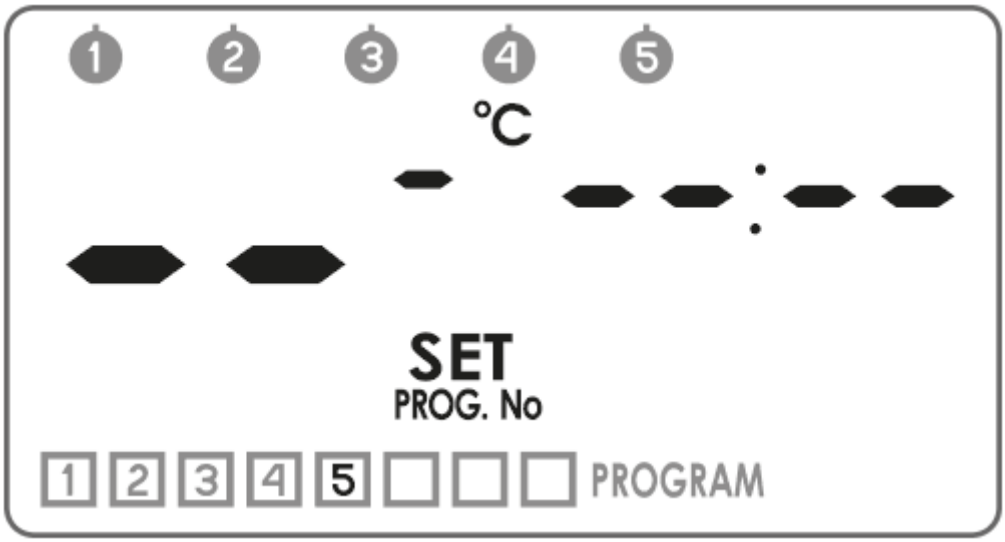
Press and hold the PROG button until the SET PROG. No segment starts flashing on the display.



1. Program selection

Use the ▼▲ buttons to select the desired program number 1-8, to be assigned the following parameters:
– the temperature to be controlled,
– the day of the week on which it is to operate,
– the start **time**.

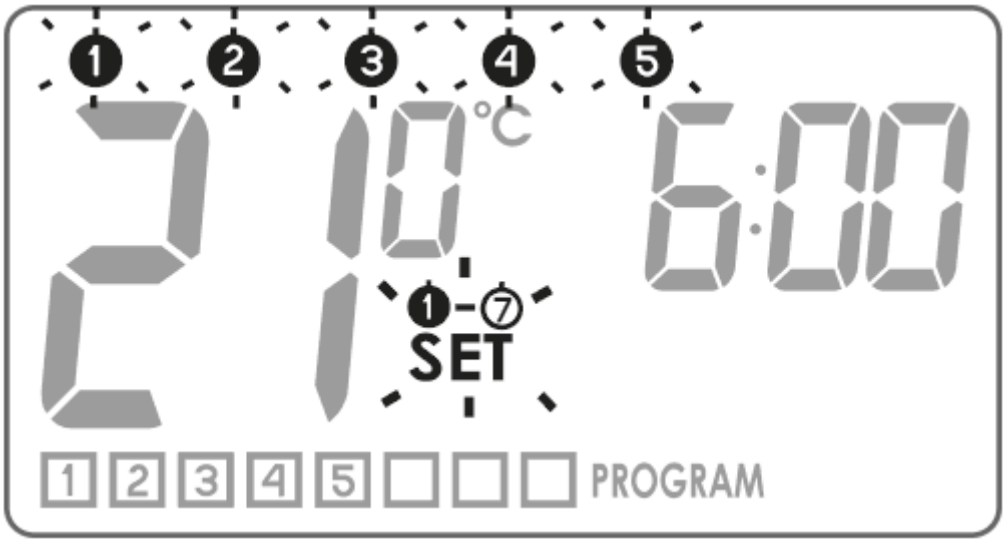
For a program not yet set, dashes are displayed in the temperature and hour segments.



2. Assigning a day to the program

Press the
1-7
button to select the days to be assigned to the program. The day of the week segment will start flashing in the top part of the display. Using the ▼▲ buttons, you can assign the program to:

- 1 2 3 4 5 – weekdays
- 6 – Saturdays
- 7 – Sundays

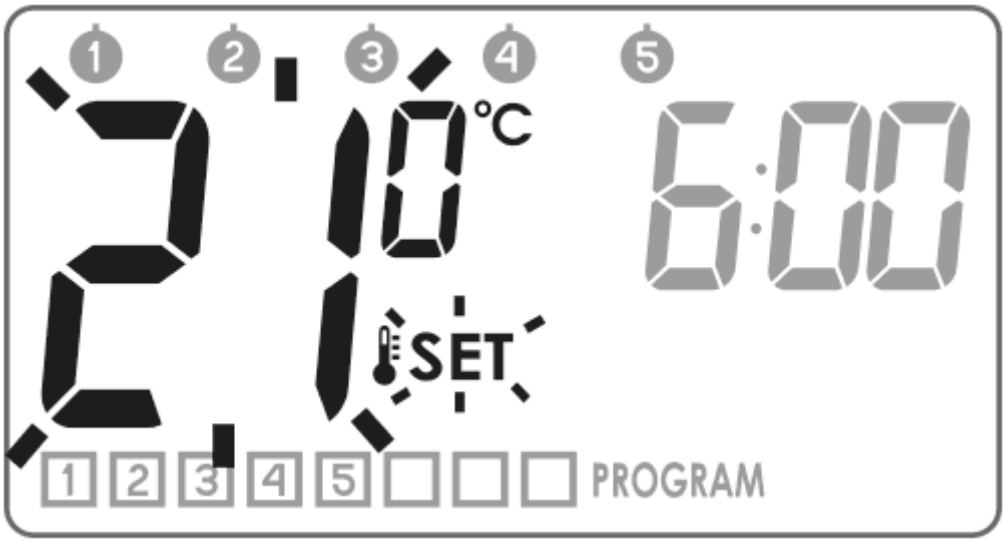


Confirm the selection with the OK INFO button. The SET PROG. No segment and the program number being edited will start flashing again on the display.

3. Assigning temperature to the program

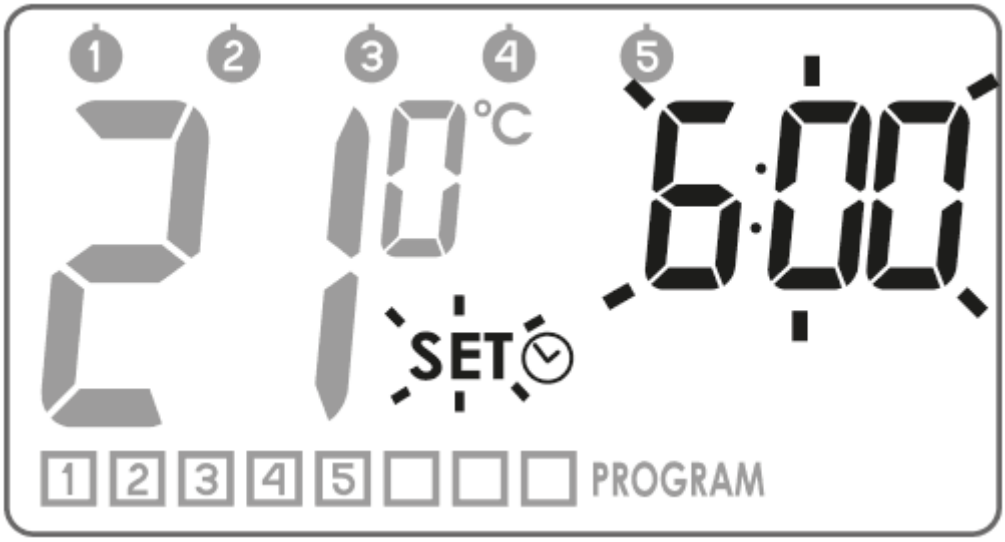
Press the button to assign a temperature to the program. The temperature setting segment will start flashing on the display SET. Use the buttons to set the desired temperature.

Confirm the selection with the OK INFO button.segment and the program number being edited SET PROG. No will start flashing again on the display.



4. Assigning the start time to the program

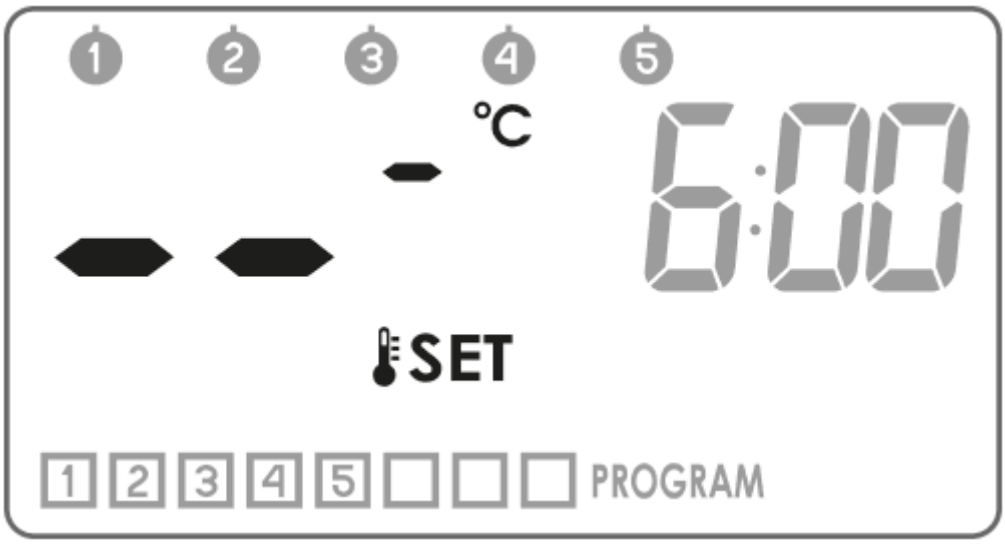
Press the button. The hour segment will start flashing on the display. SET. Use the buttons to set the start time of the program.
Confirm the selection with the OK INFO button. segment and the program number being edited will SET PROG. No start flashing again on the display.



Repeat the procedure for consecutive programs. Confirm the above settings with the OK INFO button.

Deleting a program

To delete the program selected, set ‘dashes’ in the temperature field.



Notes:

1. Programs with the same numbers but assigned to different days may have completely different settings. For example, program 1 on Saturday can start at 8:00 and program 1 on Sunday can start at 10:00.
2. Days from 1 to 5 (Monday to Friday) have the same programs.
3. For the same day of the week, **the next edited program should start at least a minute later than the previous one.** Otherwise, AURATON Pavo will renumber the programs to preserve the chronology of the temperature settings.
4. For the selected day of the week, the temperature programming period must not exceed 24

hours – the last program can start no later than a minute before the first one.

5. If all programs are inactive, AURATON Pavo R remains turned off.

Programming the manual, holiday and anti-freeze temperatures

AURATON Pavo allows you to programme 3 types of temperature:

- Manual temperature (✋) – in the range of 5 to 30°C
- Holiday temperature (🍸) – in the range of 5 to 30°C
- Anti-freeze temperature (❄) – in the range of 4 to 10°C

To set one of the above temperatures:

1. Press and hold the button until the temperature segment starts flashing SET with the symbol of the type of temperature being edited.

2. Pressing the button again will toggle between the types of temperature being edited.

3. Use the buttons to set the desired temperature value in the type of temperature being edited.
4. After setting all the types of temperature, confirm the settings with the OK INFO button.

Factory seting