PCH-RF-AAA Thermostat

User Manual – Control Unit

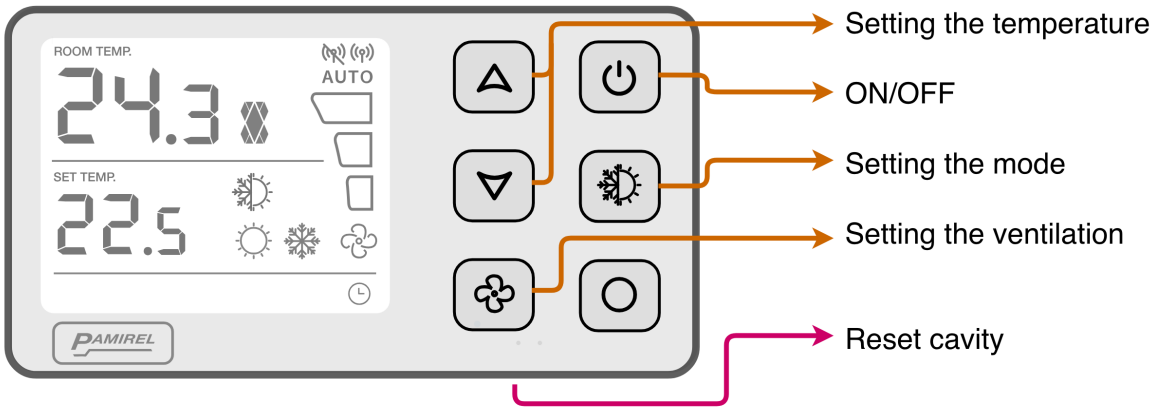

Figure 1: Layout and function of the buttons on the thermostat's control unit.

General Use of the Thermostat

When the thermostat is in (ON) mode, the LCD display shows the current room temperature (**ROOM TEMP.**) as well as the arrow / and the fan speed, provided the thermostat is currently actively regulating the room temperature.

Upon the first press of any button, the display also shows:

- the set temperature (**SET TEMP.**),
- the operating mode (heating, cooling, or automatic),
- the desired fan speed (1, 2, 3, automatic).

The / keys are used to set the desired temperature, the key is used to set the desired operating mode, and the key is used to set the desired fan speed. After setting the desired temperature and mode, the thermostat first compares the set and current temperatures and thus determines whether active heating/cooling and fan operation are required to regulate the temperature.

Display Indicators

Active operation is indicated by a large arrow (heating active) or (cooling active) next to the room temperature shown on the LCD display.

Approximately 2 seconds after the last button press, the set temperature and operating mode on the display are hidden again; only the current room temperature remains displayed, along with – if temperature regulation is active – the arrow / and the fan speed.

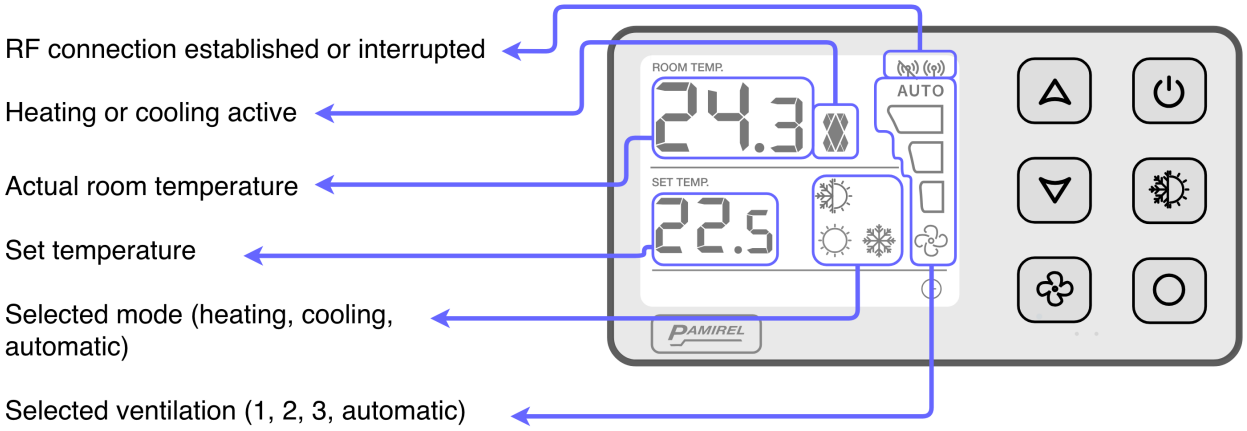

Figure 2: Data shown on the thermostat's LCD display.

Turning Off Regulation and OFF Mode

To turn off active temperature regulation, simply press the ⏻ key. When in OFF mode, all segments on the display turn off; pressing the ☼ key activates the display of the current room temperature. In OFF mode, it is also possible to set fan operation without active heating/cooling, which is achieved by pressing the ✣ key.

Connection to the Actuator Unit

For correct operation of the thermostat, it must be successfully connected to the thermostat's actuator unit, which is indicated by the (( )) segment being lit.

Warning

If the (( )) segment remains lit for an extended period, the thermostat is not successfully connected to the actuator unit and therefore **does not regulate the temperature**.

Batteries

The control unit is powered by three AAA batteries, which last for approximately 1.5 years.

Battery Status

The battery status is shown by the battery segment on the LCD display. When the batteries run out, the display shows "Lo bat".

Warning

When "Lo bat" is displayed, replace all three batteries at the same time, paying attention to correct polarity. Use only **alkaline or lithium** AAA batteries. Do **not** use **zinc-carbon** (or zinc-chloride) batteries, as they cannot supply the current required by the RF module, which leads to unreliable operation of the thermostat.