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Heating/air conditioning room thermostat

Description

2-module stand-alone thermostat that records the room temperature and allows its adjustment.
It controls the temperature by means of an electronic sensor that controls an output relay with 1 x 5 (2) A potential free deviation contact.
It is also possible to adjust the antifreeze temperature, which automatically activates when the device is switched off.
On the front of the device are:
- the - and + temperature adjustment commands;
- the on/off command
- temperature/status display (automatically reduced brightness when in standby).
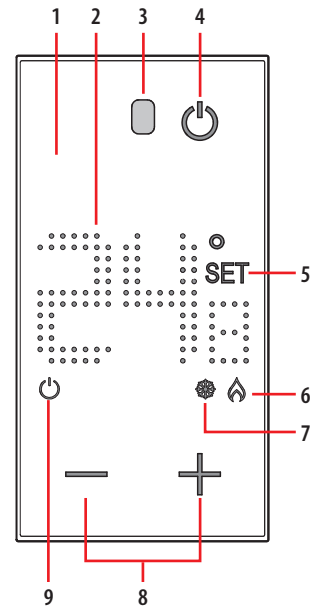
Technical data

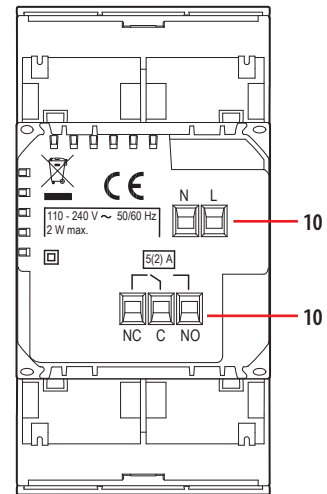|	
Power supply	110 – 240 Vac , 50/60Hz
Absorption	2 W max
Maximum cable section	1 x 1.5mm2
Operating temperature	0 – 40 ℃
Temperature set-point	3 – 40 ℃; increase of 0.5 ℃
Type of activation	1BU
Pollution level	2
Rated pulse voltage	4 kV
Contact output	5(2) A

Dimensional data

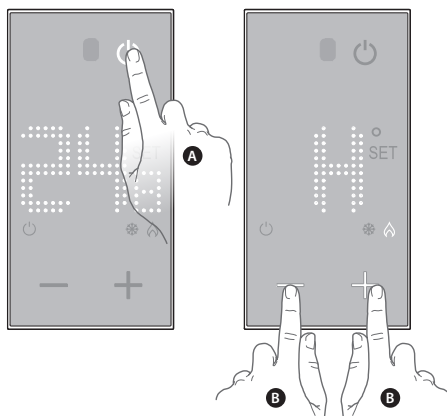Size: 2 flush mounted modules.

Front view

Rear view

Legend

1. Backlight display

2. Temperature display

3. Lighting sensor

4. ON / OFF key
   sets the system OFF
   anti-frost (7 ℃)
   or heat-protection (35 ℃) mode

5. Temperature setting indicator:
   appears when the temperature is being set

6. ON heating indicator

7. ON cooling indicator

8. Keys for temperature setting

9. Thermostat OFF indicator (see point 4)

10. Connection clamps (see diagrams)
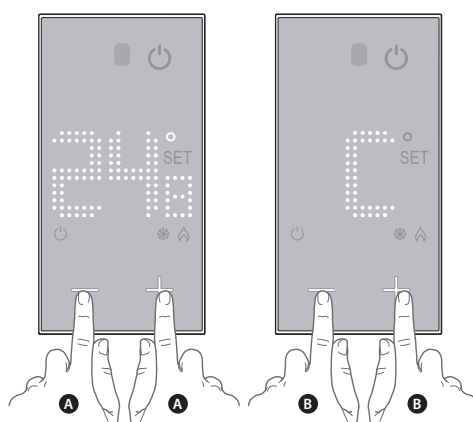
Heating/air conditioning room thermostat

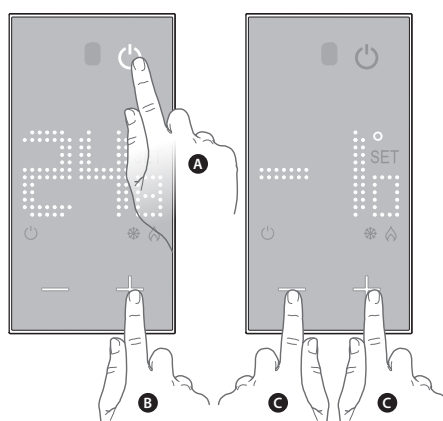## Configuration

Heating/cooling system mode setting

Touch the ON/OFF key (A) for more than 5 seconds. The current mode (H = heating, C = cooling) is displayed. Touch the + or – keys (B) to modify it.

Temperature format setting

Touch both the + and - keys (A) for more than 5 seconds. The current temperature format is displayed (C = degrees Celsius, F = degrees Fahrenheit). Touch the + or – keys to modify it.
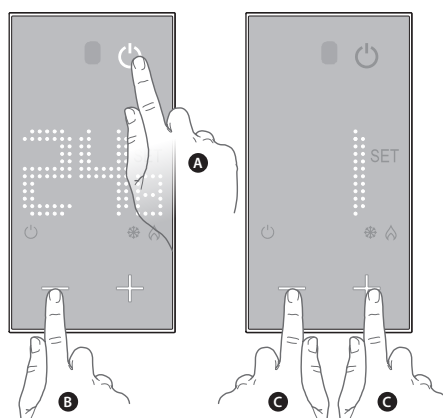
Temperature calibration

Touch both the ON/OFF (A) and + (B) keys for more than 5 seconds. The deviation between the measured temperature and the temperature displayed by the thermostat is displayed. Touch the + or – keys to modify it.

Note: wait a few minutes before checking the measured room temperature again.

Display brightness adjustment

Touch ON/OFF (A) and - (B) at the same time for more than 5 seconds to display the brightness adjustment setting. Touch + or – to adjust the brightness as desired.
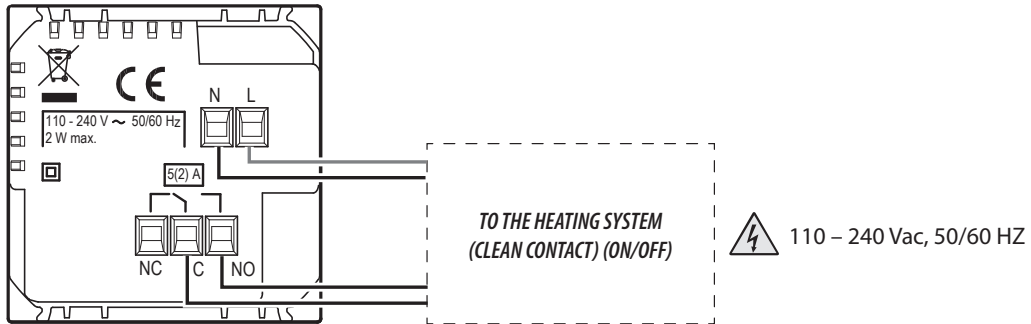The following settings are available:
- **A2**: automatic adjustment, the display is always on
- **A1**: automatic adjustment, display can turn off
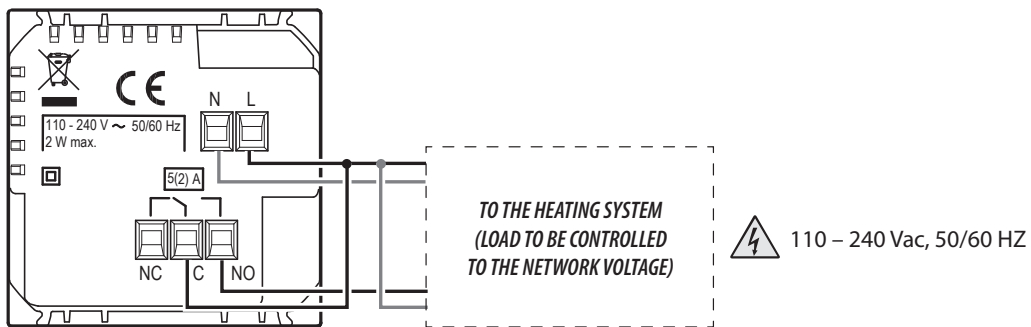- **0...3**: fixed adjustment. When set to 0, in standby the display switches off completely.

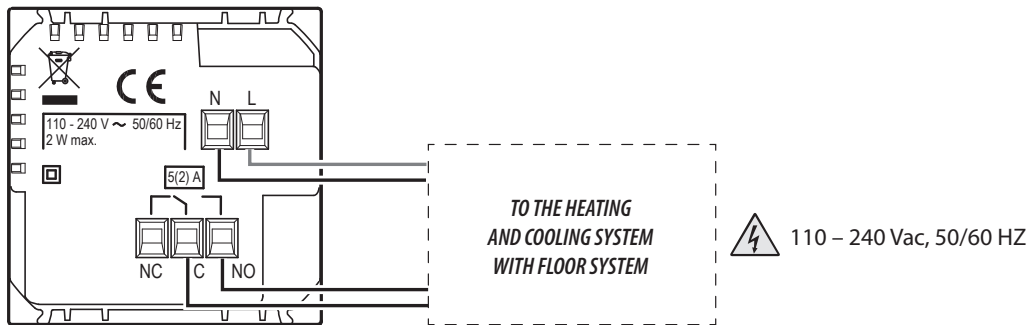## Heating/air conditioning room thermostat

Wiring diagrams

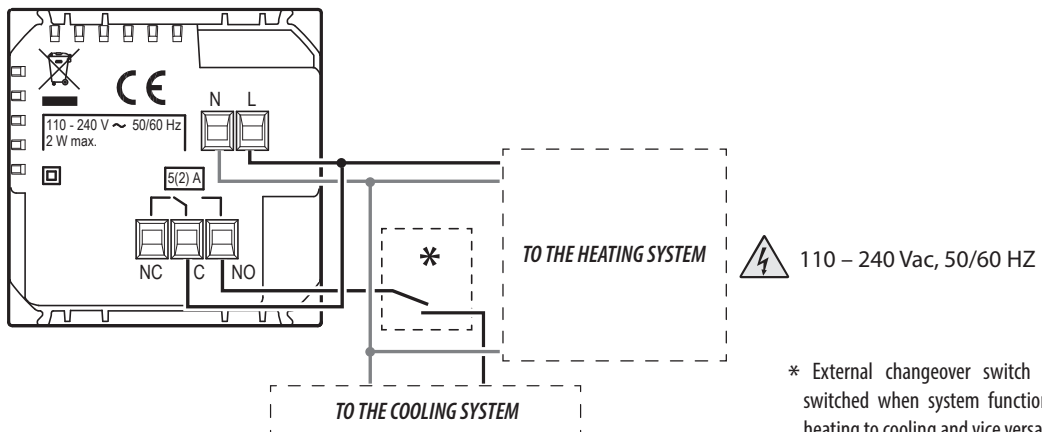### System only for heating with clean contact (e.g. boiler agreement)

TO THE HEATING SYSTEM (CLEAN CONTACT) (ON/OFF) — 110 – 240 Vac, 50/60 HZ

System only for heating with load to be controlled to the network voltage (e.g. 230Vac solenoid valve)

TO THE HEATING SYSTEM (LOAD TO BE CONTROLLED TO THE NETWORK VOLTAGE) — 110 – 240 Vac, 50/60 HZ

Heating and cooling with floor system

TO THE HEATING AND COOLING SYSTEM WITH FLOOR SYSTEM — 110 – 240 Vac, 50/60 HZ

Heating and cooling with different systems

TO THE HEATING SYSTEM — 110 – 240 Vac, 50/60 HZ

TO THE COOLING SYSTEM

* External changeover switch must be properly switched when system function is changed from heating to cooling and vice versa.

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