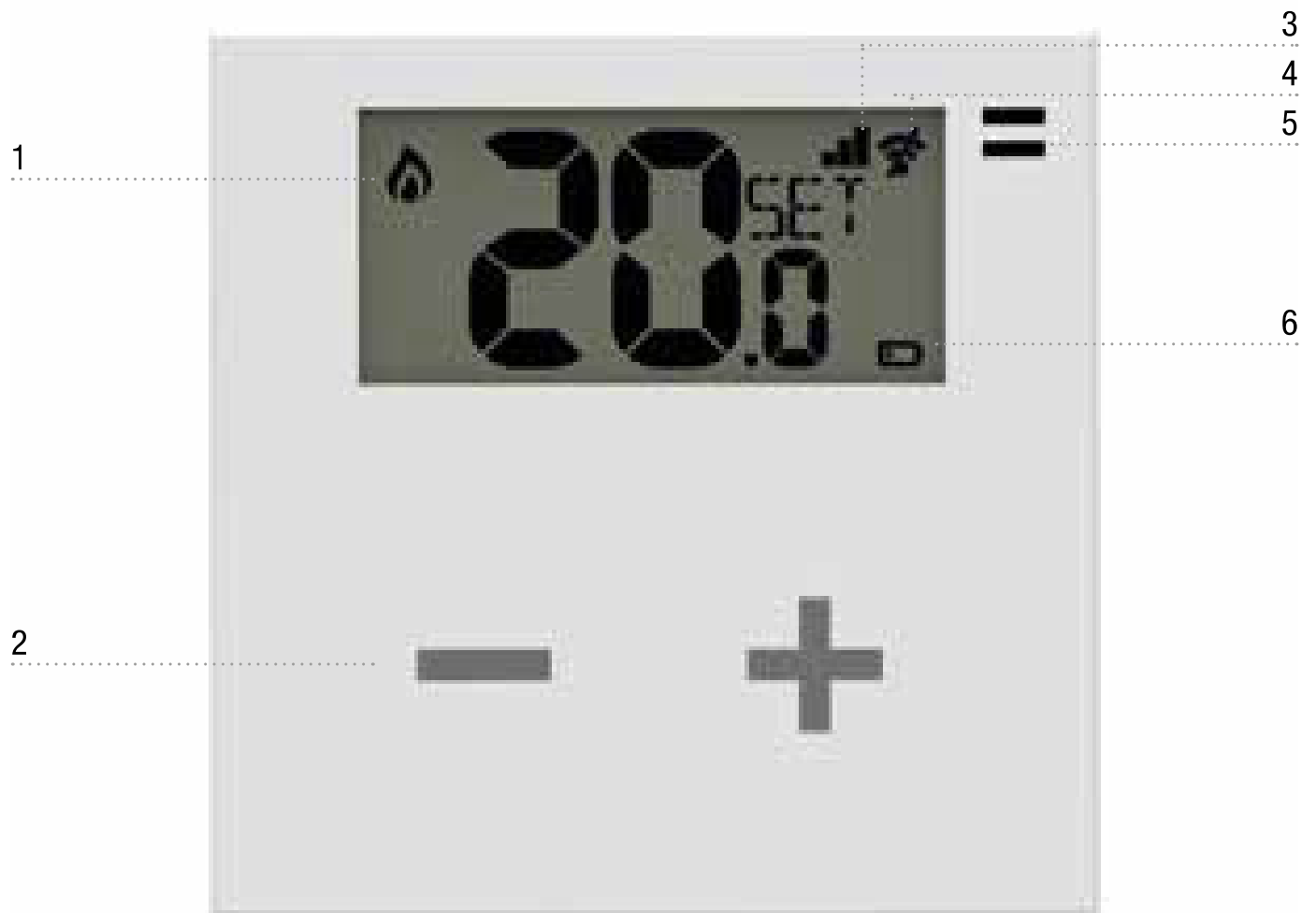


# TERMOSTATO RIALTO



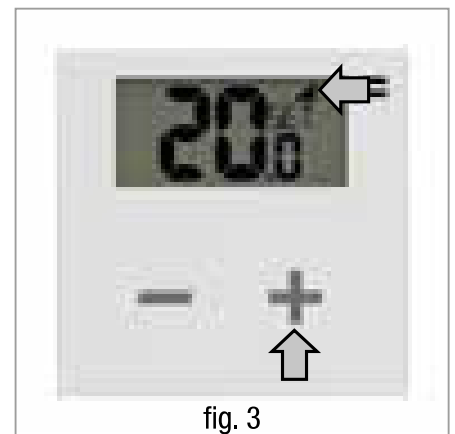
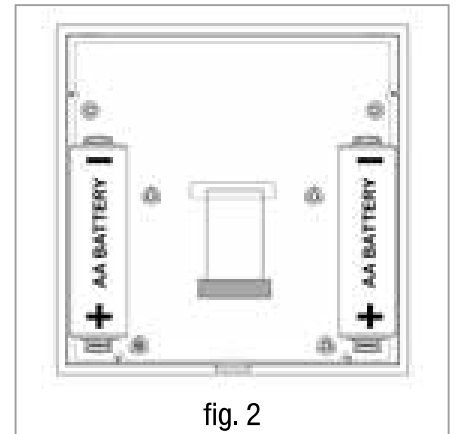
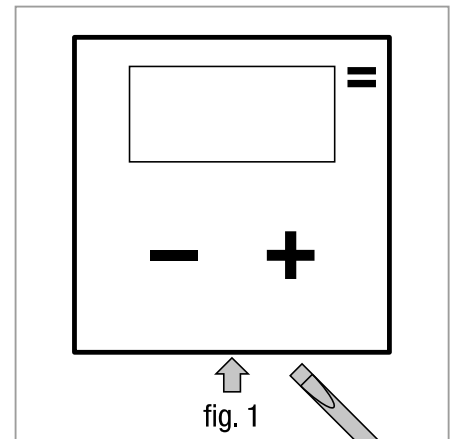
1. Operating boiler
2. Decrease/increase the temperature set-point



3. Radio signal strength level
4. No radio signal
5. Temperature sensor
6. Battery level

# Installation

## ✔ **WHITEBOX-THERMOSTAT pairing**

1. Remove the mounting plate of the **RIALTO THERMOSTAT** using a slotted screwdriver (fig. 1)
2. Insert the batteries into the **THERMOSTAT** (fig. 3) and place it close to the **WHITEBox** previously installed.
3. Move the **RIALTO THERMOSTAT** closer to your old thermostat.
4. Verify the **THERMOSTAT**'s radio signal coverage by tapping on + and - touch keys: on the display will appear at least one visible bar ■□□ (fig. 3).



5. Verify the radio signal coverage of the **WHITE-Box**: the blue LED on the **WHITEBox**   shall be switched steady on, NOT blinking (fig. 4).
6. Start the **RIALTO COMFORT APP** already installed on your smartphone. Select “Add a **THERMOSTAT**” from your **THERMOSTATS** list page (fig. 5).
7. Follow the guided procedure.

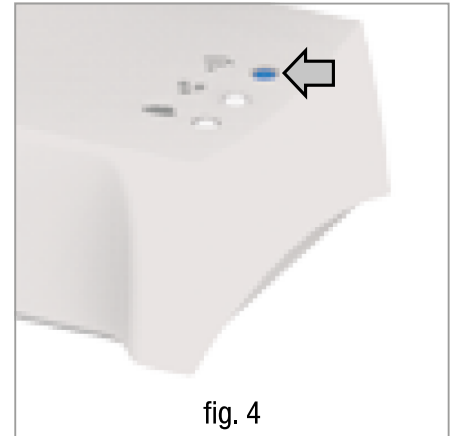


fig. 4

**CAUTION:** the radio signal of the **RIALTO THERMOSTAT** has no coverage beyond the floor and / or the supporting wall of the room. In the event of problems with the network coverage, bring closer the **WHITEBox** and the **THERMOSTAT**. In case of doubts, please contact the Customer Service.



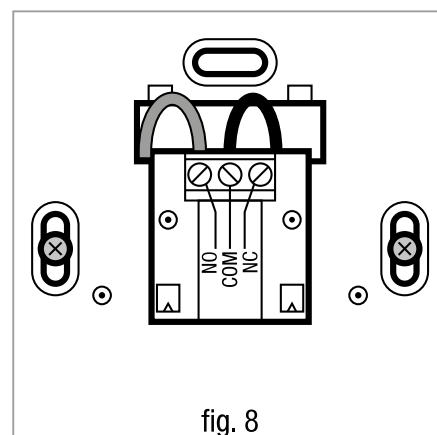
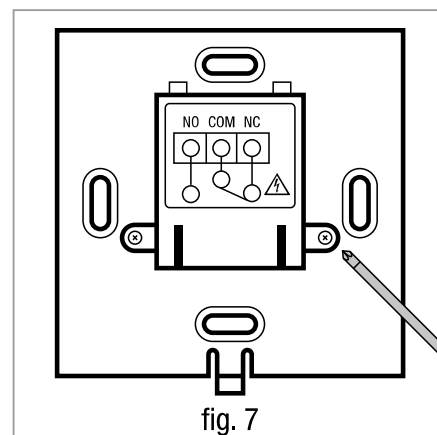
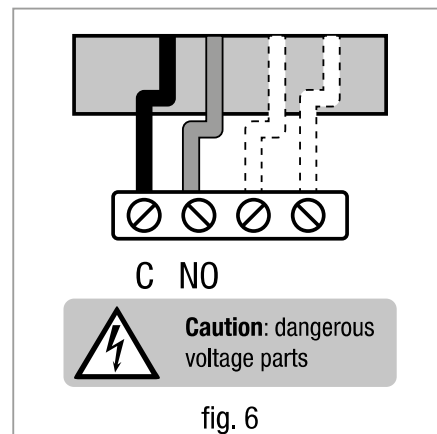
fig. 5

## ✓ Replacing your old thermostat



**CAUTION:** before any intervention, make sure power is turned off.

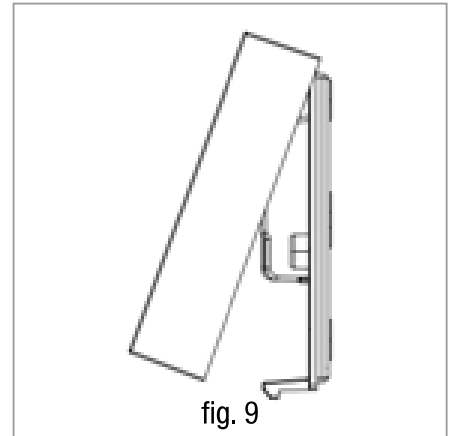
1. Remove the cover of your old thermostat.
2. Take a picture of the wiring.
3. Identify the control cables COM (Common Cable) and NO (Normally Open), with the help of labels and / or connection screens in your old thermostat (fig. 6). **CAUTION:** if there are more than two wires, the others are useless. Isolate them with the electrical tape.
4. Disconnect and remove your old thermostat from the wall.
5. Open the **RIALTO THERMOSTAT** with a slotted screwdriver (fig. 1 page 6) and remove the protection from the terminals (fig. 7).
6. Pass the wires through the mounting plate. Connect the cables to the terminal keeping the same position of COM and NO. Place and fix the cables with supplied screws and anchors (fig. 8\*).





\* NC meaning: Normally closed. Usually not used.

**NOTE:** with battery thermostat it is sufficient to interrupt the boiler power supply. Therefore, the position of NO and COM wires is not important.

7. Cover the terminals with the supplied protection cover.
8. Verify the correct position of the batteries (fig. 2 page 6) and set the **THERMOSTAT** on the mounting plate (fig. 9).
9. Switch on the electric current.



## Installation verification

1. Once **WHITEBox** is correctly powered, check the **THERMOSTAT** display: it shall not show the  icon (no signal).
2. Tap the + and - touch keys until a flame icon  appears on the **THERMOSTAT** display. The heating shall be switched on. Otherwise, please verify the connection and/or the **THERMOSTAT** cables of the boiler.

## Technical specifications

### RIALTO THERMOSTAT

Main features	Wireless thermostat with battery and display with touch technology Electronic control device with installation
Radio features	<ul style="list-style-type: none"><li>■ Frequency: ZigBee HA 1.2</li><li>■ 2.4.4 GHz</li></ul>
Power Supply	<ul style="list-style-type: none"><li>■ Alkaline batteries 2x AA 1,5V</li><li>■ Battery life: &gt;2 years min</li></ul>
Control relay	<ul style="list-style-type: none"><li>■ Contacts NC/COM/NO 250V 5A Cos(Φ)=1 resistive charge</li></ul>
Temperature	<ul style="list-style-type: none"><li>■ Regulation range: +30°C</li><li>■ Resolution: 0,1°C</li><li>■ Precision: ±0,5°C</li></ul>
Dimensions (W x H x D)	86 x 86 x 22 mm

Environment parameters	Operating temperature: -10 ÷ +60°C; <80% U.R. n.c. Storage temperature: -20 ÷ +70°C; <80% U.R. n.c.
Protection degree	IP30
Conformity	Communitarian Directives 2006/95/CE, 89/336/EEC, 99/5/EEC
Electric isolation	Isolation class II
Pollution degree	2
Overvoltage category	Overvoltage category II
Software Class	Software Class A
Type of action and complementary action	Type 1.C

## **RIALTO APP**

Free app available on AppStore and Google Play.

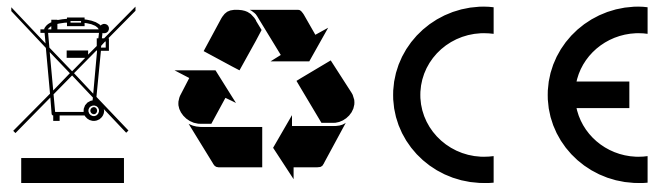
Minimum requirements: Android 4.1; Apple iOS 7.0

Technical Assistance: [www.rialtocomfort.com](http://www.rialtocomfort.com)

All models are compliant with directives 2004/108 CE, 2006/95 CE, directives 99/5 CEE.

The device (or product) shall be separately collected according to local laws in force about specific disposal. ASTREL GROUP hereby declares compliant such products according to essential requirements and other relevant provisions established by the directive 1999/5/CE. The declaration of conformity is available on the web page [www.rialtocomfort.com](http://www.rialtocomfort.com)

Technical Assistance: [www.rialtocomfort.com](http://www.rialtocomfort.com)



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