

rialto



installation guide

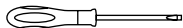
Warning



CAUTION: the installation of the **RIALTO THERMOSTAT** must be carried out only by the authorized staff without power supply. Without such requirements, contact the installer.

Read carefully and retain these instructions.

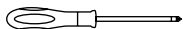
Necessary equipment for assembly



1 slotted screwdriver
(preferably mains tester)



1 drill with 5 mm tip



1 philips screwdriver

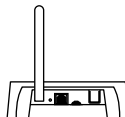


Electrical tape

Package contents



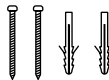
no. 1 **RIALTO THERMOSTAT**



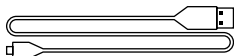
no. 1 **RIALTO WHITEBOX**



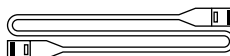
no. 2 AA batteries



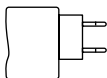
no. 2 screws + no. 2 anchors



no. 1 USB/micro USB cable



no. 1 Ethernet cable

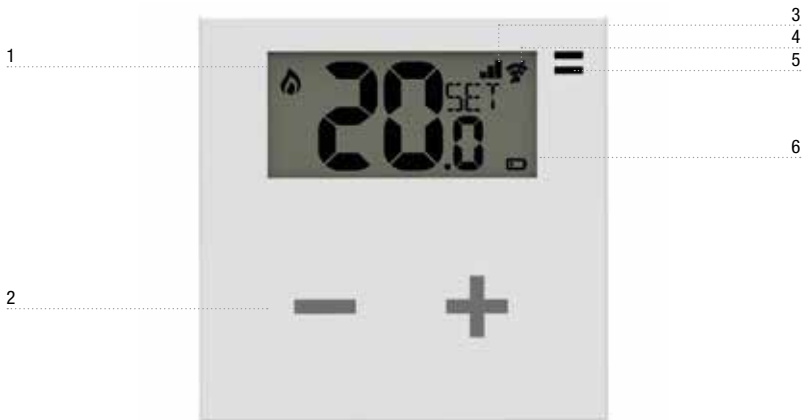


no. 1 USB power supply



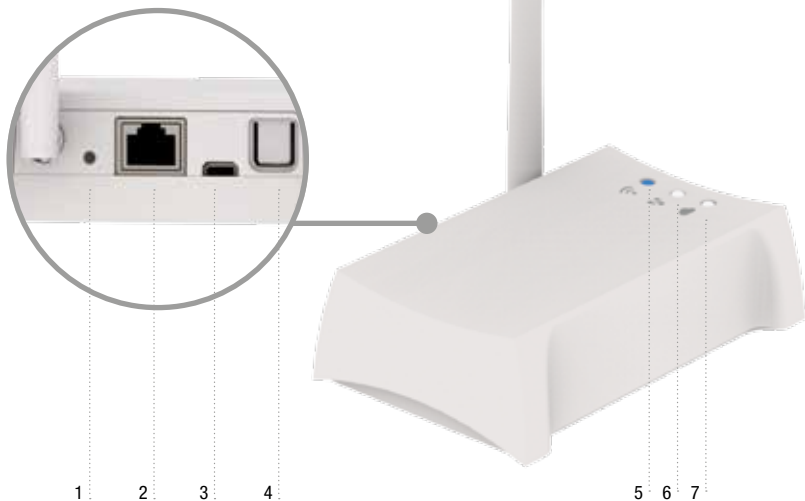
no. 1 Installation guide

RIALTO THERMOSTAT



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

RIALTO WHITEBOX



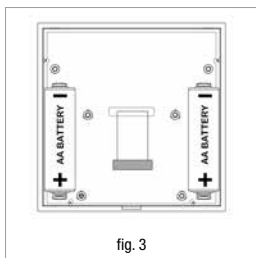
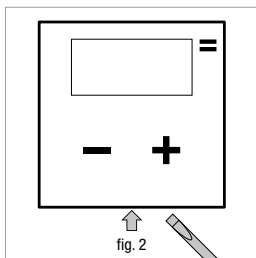
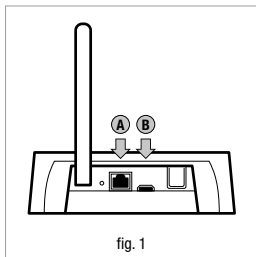
1. Reset button
2. Ethernet port
3. Micro USB input
4. App pairing button




5. Network radio signal **THERMOSTAT** (ZigBee).
Blue LED on: **WHITEBOX** connected to the **THERMOSTAT**.
Blue flashing LED: search **THERMOSTAT** signal.
6. Ethernet connection to the local network.
White LED on: **WHITEBOX** connected to the router.
7. Internet connection. White LED on: **WHITEBOX** connected to the Internet server

Installation

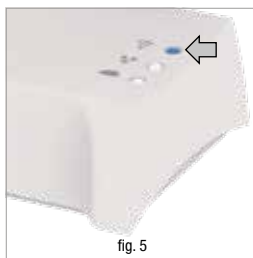
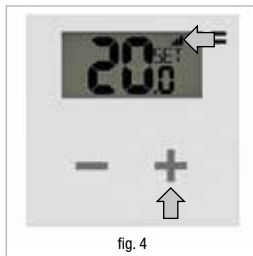
✓ WHITEBOX-THERMOSTAT connection

1. Connect the **WHITEBOX** to the router with the Ethernet cable (fig. 1 A).
2. Supply the **WHITEBOX** with the USB cable and its power supply unit included in the packaging (fig. 1 B).
3. Remove the mounting plate of the **RIALTO THERMOSTAT** using a slotted screwdriver (fig. 2)
4. Insert the batteries into the **THERMOSTAT** (fig. 3) and place it close to the **WHITEBOX**.
5. Verify the router connection to the Internet.
6. Verify that all LED lights of the **WHITEBOX** are switched steady on within few minutes.
7. Download the **RIALTO COMFORT APP** from AppStore or Google Play and follow the wizard procedure directly from the **APP**. Make sure you can change the temperature set-point directly from the **APP**.
8. Place the **RIALTO THERMOSTAT** closer to your old thermostat.



9. Verify the **THERMOSTAT's** radio signal coverage by tapping on + and - touch keys: on the display will appear at least one visible bar  (fig. 4).
10. Verify the radio signal coverage of the **WHITEBOX**: the blue LED on the **WHITEBOX**   shall be switched steady on, NOT blinking (fig. 5).

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.



🔍 Replacing your old thermostat

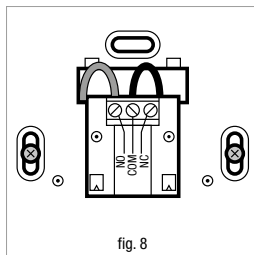
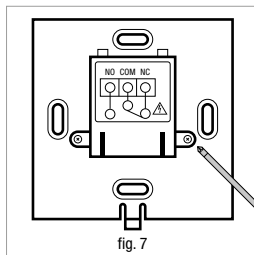
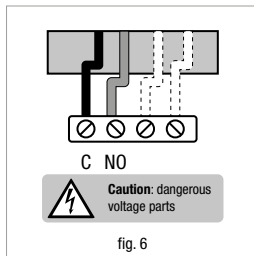


CAUTION: before any intervention, make sure power is turned off.

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*).

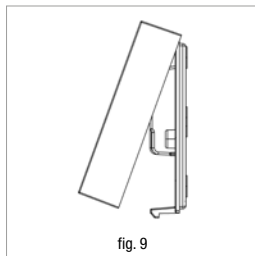
NOTE: with battery thermostat it is sufficient to inter-

* NC meaning: Normally closed. Usually not used.





rupt 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. 3 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 Assistance: www.rialtocomfort.com

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">▪ Frequency: ZigBee HA 1.2▪ 2.4.4 GHz
Power Supply	<ul style="list-style-type: none">▪ Alkaline batteries 2x AA 1,5V▪ Battery life: >2 years min
Control relay	<ul style="list-style-type: none">▪ Contacts NC/COM/NO 250V 5A Cos(Φ)=1 resistive charge
Temperature	<ul style="list-style-type: none">▪ Regulation range: +30°C▪ Resolution: 0,1°C▪ Precision: ±0,5°C
Dimensions (W x H x D)	86 x 86 x 22 mm
Environmental 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 WHITEBOX

Main features	Ethernet-ZigBee gateway to connect to the router
No. max TERMOSTATI supportati	12
Power supply	5 V=, 0.4 A, 2 W power supply provided
Radio features	Frequency: ZigBee HA 1.2
Status display	No. 3 operating status LEDs
Connections	<ul style="list-style-type: none">■ nr. 1 Ethernet port RJ45■ nr. 1 micro USB for power supply
Dimensions (W x H x D)	110 x 35 x 70 mm
Environmental parameters	Operating temperature: 0°C – +50°C; <80% U.R. n.c. Storage temperature: -20°C – +70°C; < 80% U.R. n.c.
Protection degree	IP20
Conformity	Communitarian Directives 2006/95/CE, 89/336/EEC, 99/5/EEC; ETSI EN 300-328; ETSI EN 301-489; EN60950-1; E N50371; EN61000-6-2; EN 61000-6-3
Router compatibility requirements	<ul style="list-style-type: none">■ Function DHCP server enabled in the router■ Function “Broadcast UDP” enabled in the router,■ Internet connection

RIALTO APP

Free app available on AppStore and Google Play.

Minimum requirements: Android 4.1; Apple iOS 7.0

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

Technical Assistance: www.rialtocomfort.com



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