



## INSTRUCTIONS FOR USE

# C800WIFI

PROGRAMMABLE LED THERMOSTAT WITH  
WIFI CONNECTION



**FANTINI COSMI S.p.A.**

Via dell'Osio, 6 20049 Calepio di Settala, Milano - ITALY  
Tel. +39 02 956821 | Fax +39 02 95307006 | info@fantinicosmi.it  
www.fantinicosmi.it

Thank you for purchasing a **FANTINI COSMI S.p.A.** product.

Read this instructions manual carefully and always keep it handy for any consultation.

The documentation reflects the characteristics of the product. However, due to regulatory or commercial developments, customers are advised to check the availability of updates to this documentation on the website at FANTINI COSMI S.p.A. [pdf.fantinicosmi.it](http://pdf.fantinicosmi.it), by framing the QR-code you will be directed directly to the link.



## PACKAGE CONTENTS

- 1 programmable thermostat (model C800WIFI)
- 2 screws for fixing on flush-mounted box (only on C800WIFIPRO)
- 1 quick guide
- 1 mains power supply (optional accessory) (only on C800WIFIPRO)
- AA alkaline batteries included

## Summary

<b>PACKAGE CONTENTS</b> .....	<b>2</b>	<b>4 - PROGRAMMING VIA APP</b> .....	<b>22</b>
<b>OPERATION</b> .....	<b>4</b>	4.1 - INSTALLATION PROCEDURE .....	22
<b>EDITABLE FUNCTIONS/PARAMETERS</b> .....	<b>5</b>	4.2 - C800WIFI-APP SYNCHRONISATION .....	25
<b>MODEL C800WIFI</b> .....	<b>6</b>	4.3 - PROGRAMMING C800WIFI .....	26
<b>DESCRIPTION OF DISPLAY KEYS</b> .....	<b>7</b>	4.4 - GENERAL SETTINGS FOR THE C800WIFI .....	29
<b>1 - INSTALLATION</b> .....	<b>8</b>	<b>5 - TECHNICAL FEATURES</b> .....	<b>48</b>
1.1 - WALL MOUNTING (battery-powered) .....	10	<b>6 - DISPOSAL</b> .....	<b>49</b>
1.2 - FLUSH MOUNTING (230V~mains supply) .....	11	<b>7 - GENERAL WARRANTY CONDITIONS</b> .....	<b>49</b>
1.3 - BATTERY REPLACEMENT .....	13		
<b>2 - ELECTRICAL CONNECTION</b> .....	<b>14</b>		
<b>3 - PROGRAMMING GUIDE</b> .....	<b>15</b>		
3.1 - LETHARGY STATUS .....	15		
3.2 - STAND-BY STATUS OUTPUT .....	15		
3.3 - RESET .....	16		
3.4 - ROOM TEMPERATURE DISPLAY .....	16		
3.5 - CHANGE MODE (MAN - AUTO - OFF) .....	17		
3.6 - CHANGE SETPOINT TEMPERATURE .....	18		
3.7 - RELATIVE HUMIDITY DISPLAY .....	18		
3.8 - LAST COMMUNICATION STATUS DISPLAY .....	19		
3.9 - BATTERY STATUS DISPLAY .....	20		
3.10 - FIRMWARE VERSION .....	20		
3.11 - ACCESS POINT .....	21		

## OPERATION

The C800WIFI is a programmable LED thermostat with WIFI connection and integrated relay equipped with a temperature and relative humidity sensor which allows the management of heating and cooling in flats.


Equipped with a “virtual” graphic interface that can be used via the APP, it optimises use of the room heating and cooling system with Artificial Intelligence algorithms, with the aim of providing the best conditions of comfort with the lowest possible consumption.

The temperature can be regulated in several ways:

- Directly from the programmable thermostat
- Via the Intelliclima+ APP

Below is a table showing the functions that can be managed via programmable thermostat and APP.

## EDITABLE FUNCTIONS/PARAMETERS

		
Off mode (OFF)	✓	✓
Manual mode (MAN)	✓	✓
Automatic mode (AUTO)	✓	✓
Temperature display	✓	✓
Relative Humidity display	✓	✓
Key Lock setting	✗	✓
MAN setpoint	✓	✓
AUTO setpoint (day, night)	✓	✓
Anti-freeze setpoint (winter only)	✓	✓
Operating modes (Summer/Winter)	✗	✓
Room Temperature Correction	✗	✓
Changing the Adjustment Differential	✗	✓
Upper and lower temperature limits (Summer/Winter)	✗	✓
Programmable Thermostat LED brightness level	✗	✓
WIFI activation	✗	✓
AP (Access Point) activation	✓	✗
Communication time between C800WIFI and Server (8 levels)	✗	✓
AUTO profile programming	✗	✓
Consumption display (system switch-on hours)	✗	✓
Daylight Saving Time setting	✗	✓
APP language selection	✗	✓
Programmable Thermostat sharing with other users	✗	✓
Notifications on APP	✗	✓
Programmable Thermostat Software Version	✓	✓
Programmable Thermostat serial number	✗	✓
Programmable Thermostat default parameters setting	✓	✓
Last Programmable Thermostat Communication - Server	✓	✗
Programmable Thermostat battery status	✓	✓
SMART function: Self-learning (AGC)	✗	✓
SMART function: Geolocation	✗	✓
SMART function: Adjustment from perceived temperature	✗	✓
SMART function: CO2 energy saving display	✗	✓
SMART function: Window opening management	✗	✓
SMART SPEAKER interaction: Alexa	✗	✓

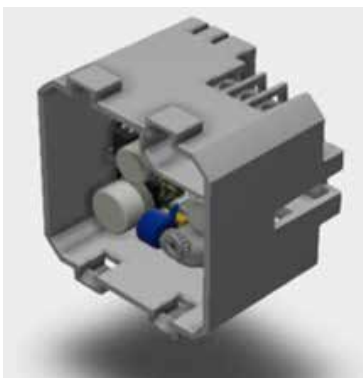
MODEL C800WIFI



**C800WIFIQ**  
front + square base



**C800WIFIR**  
front + rectangular base



**C800AL**  
mains power supply

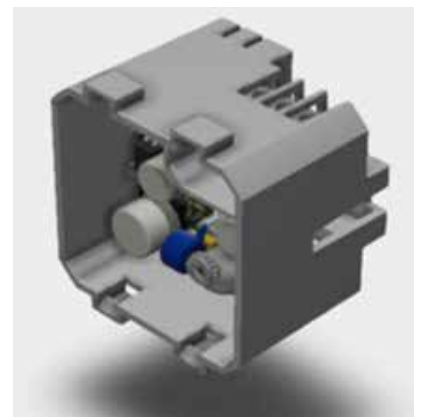
**C800WIFIPRO = C800WIFIQ + rectangular base + C800AL**



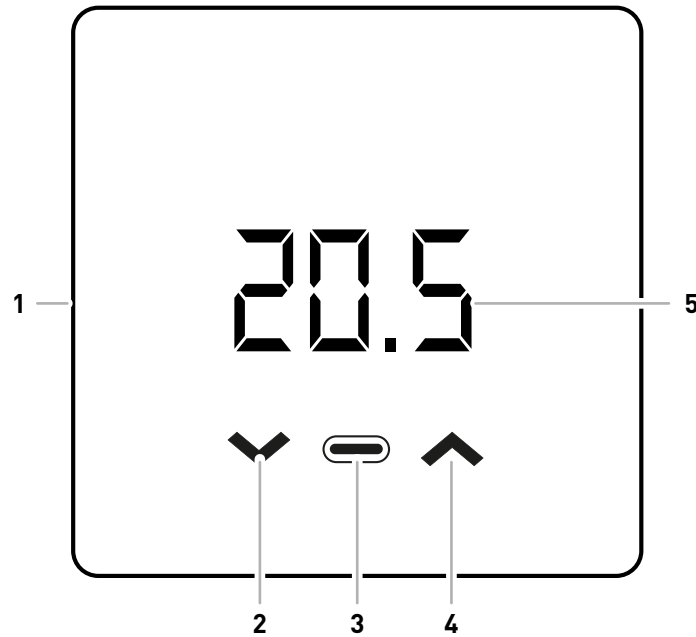
+



+



## DESCRIPTION OF DISPLAY KEYS



1	Reset switch
2	Down key - Decreases
3	Mode key + Heating/cooling LED
4	Up key - Increases
5	Temperature and basic functions display

## 1 - INSTALLATION



**ATTENTION!**

Installation must be carried out by qualified personnel in compliance with the requirements concerning the installation of electrical devices.



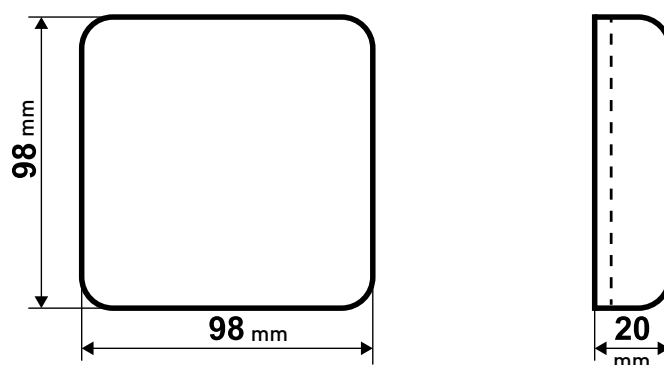
**ATTENTION!**

Make sure that the power supply is disconnected before performing installation.

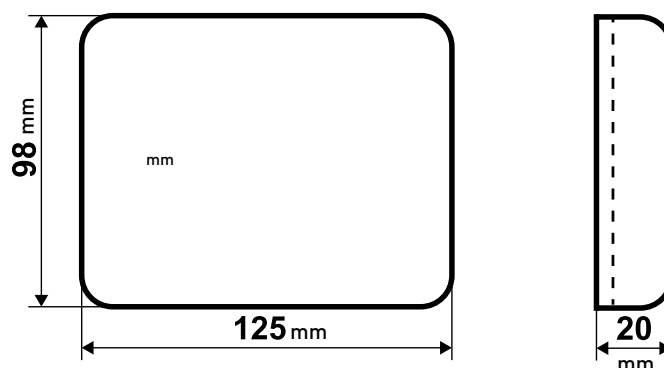
Depending on the version purchased, installation of the programmable thermostat differs in:

- C800WIFIQ: can be wall-mounted or flush-mounted in box types 500 and 502.
- C800WIFIR: can be wall-mounted or flush-mounted in box type 503.

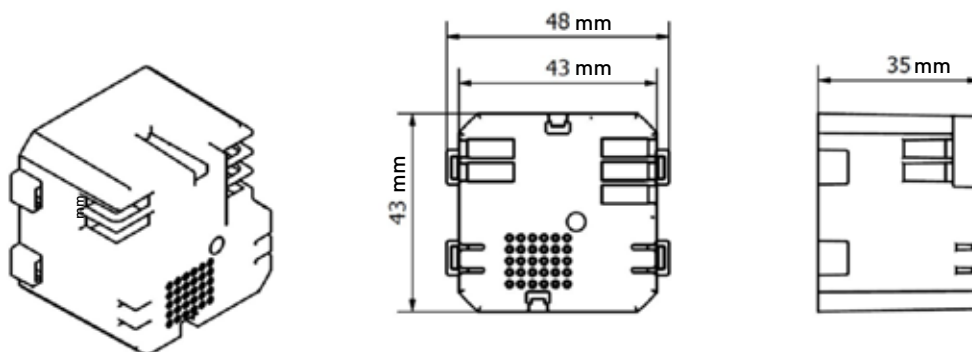
### C800WIFIQ



### C800WIFIR

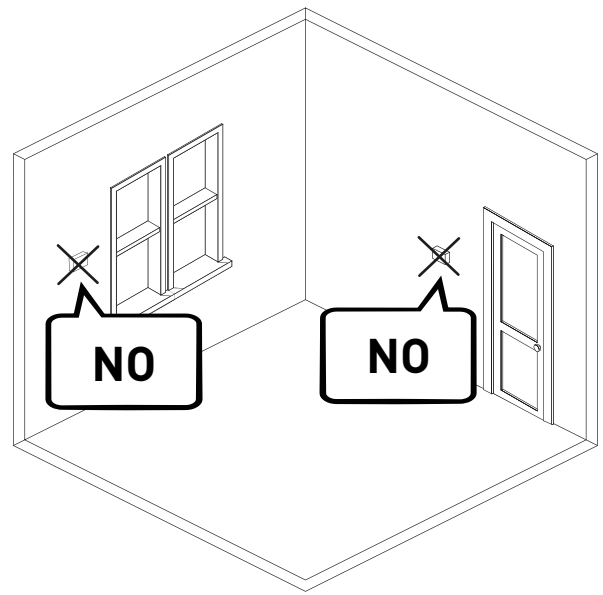
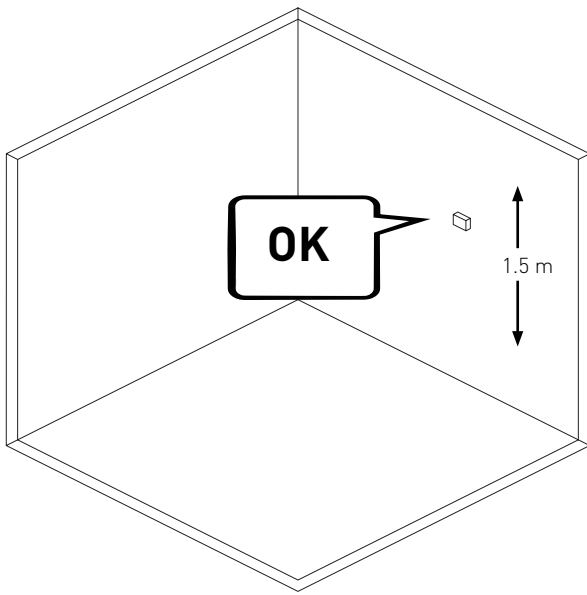


### C800AL





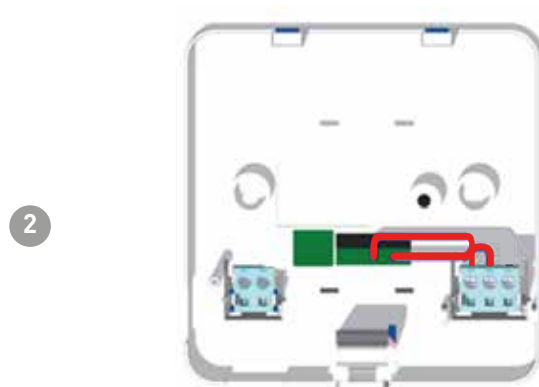
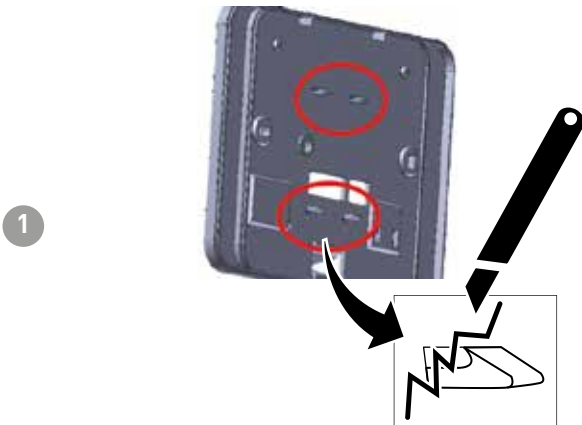
It must be installed at a height of about 1.5 m above the floor in a suitable position to correctly detect the room temperature.



## 1.1 - WALL MOUNTING (battery-powered)

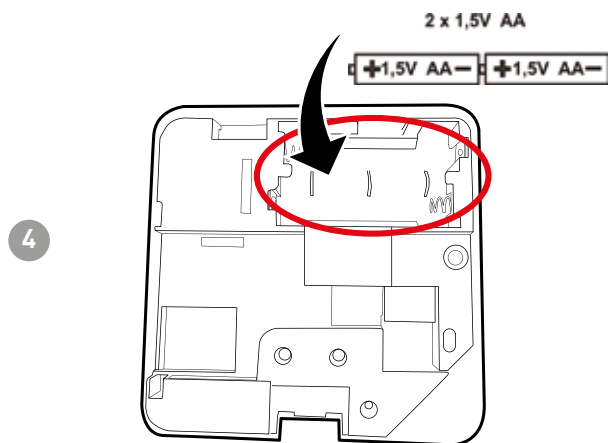
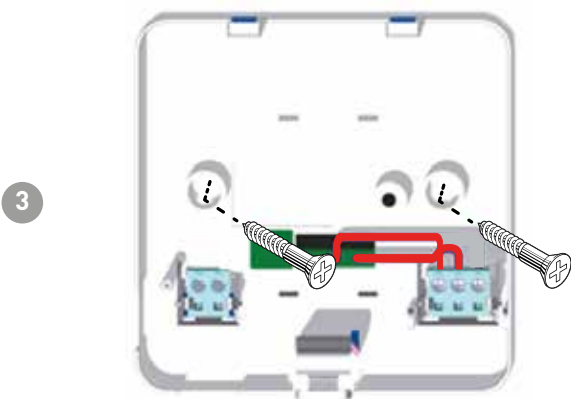
Break the feet behind the square or rectangular base.

Connect the wires of the boiler contact to the relay.

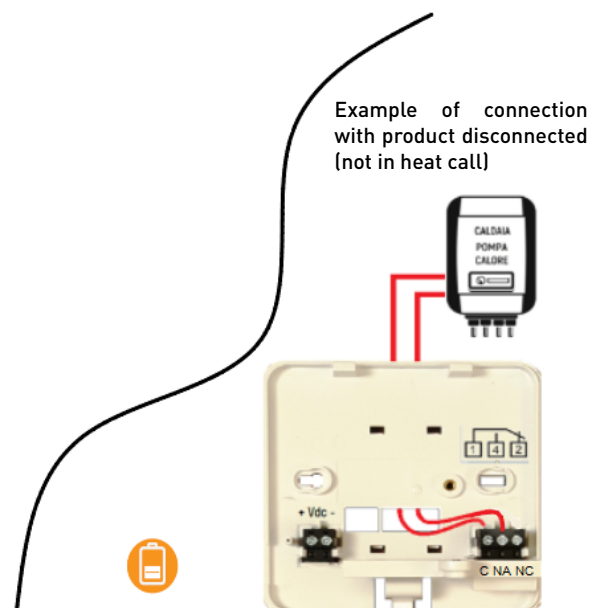
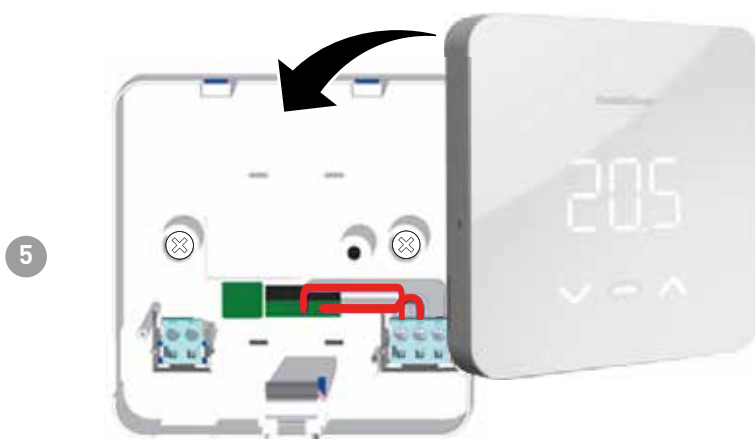


Fasten the base to the wall with the 2 screws.

Power the front with 2 AA batteries.



Hook the front to the base.

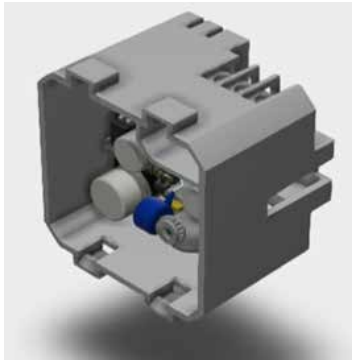


**Note:** the connection may also be different depending on the type of installation.

## 1.2 - FLUSH MOUNTING (230V~mains supply)

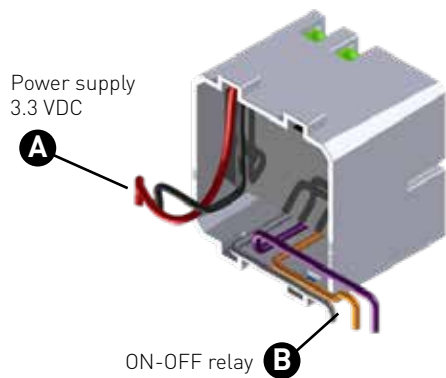
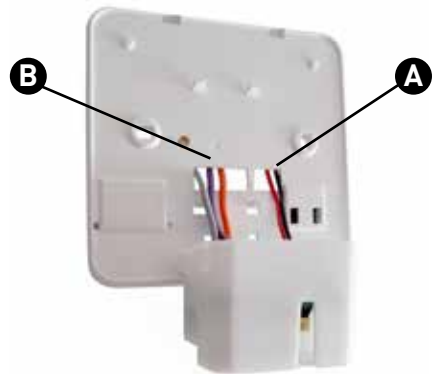
Connect the leads to the C800AL power supply.

1



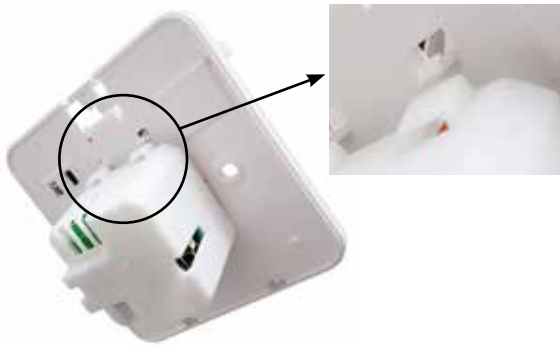
Connect the cables (boiler contact to relay + power supply) coming out of the C800AL to the base of the C800WIFI.

2



Attach the 4 feet of the baseplate to the C800AL.

3



4



Connect the leads to the terminal block as shown in the table.

5



6

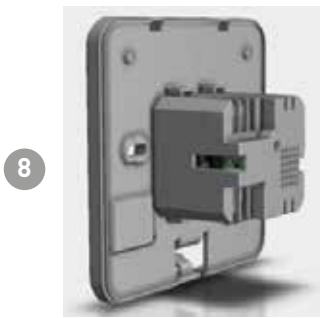


7

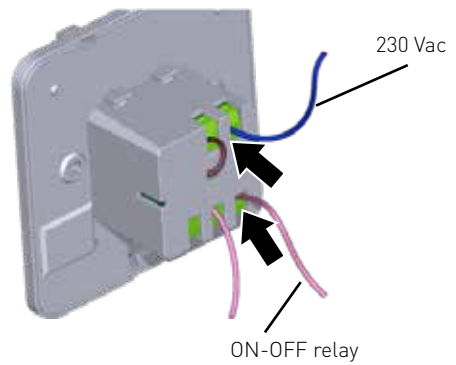


Attach the feet behind the base of the C800WIFI (square or rectangular) to the C800AL.

Powering the C800AL.



8

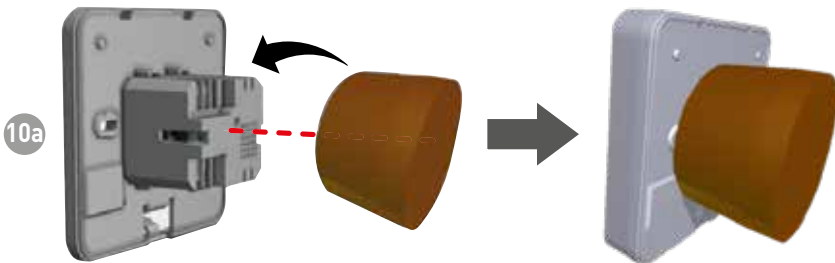


9

**Note:**

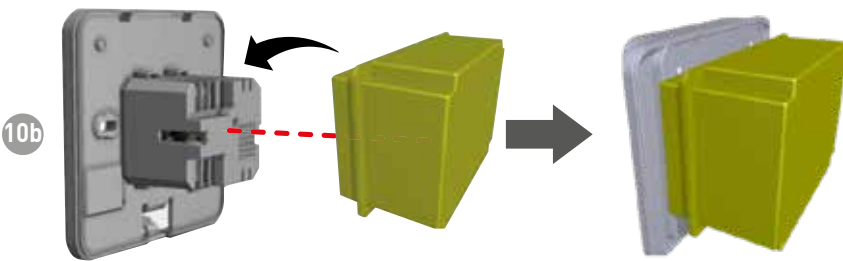
- Square base for box type 500 and 502
- Rectangular base for box type 503

Built-in box 500 - 502.



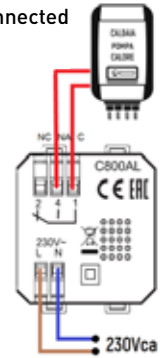
10a

Built-in box 503.



10b

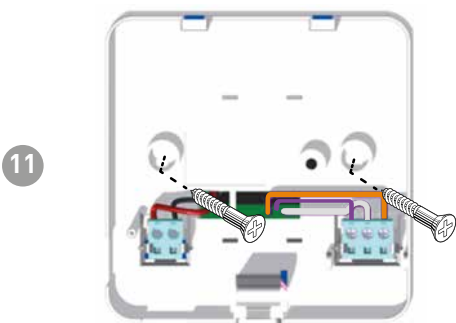
Example of connection with product disconnected (not in heat call)



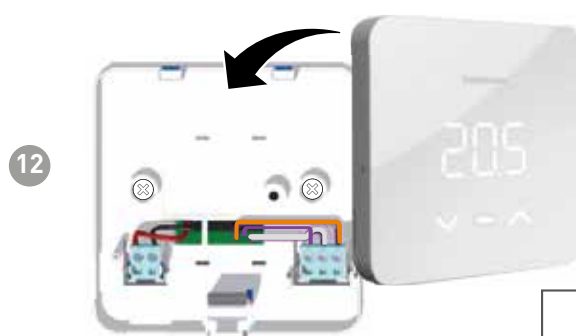
**Note:** the connection may also be different depending on the type of installation.

Fasten the base to the wall with the 2 screws.

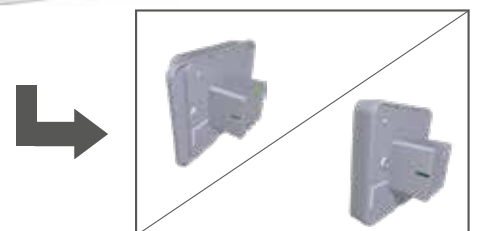
Hook the front to the base.



11



12



## 1.3 - BATTERY REPLACEMENT

Remove the front panel from the base.

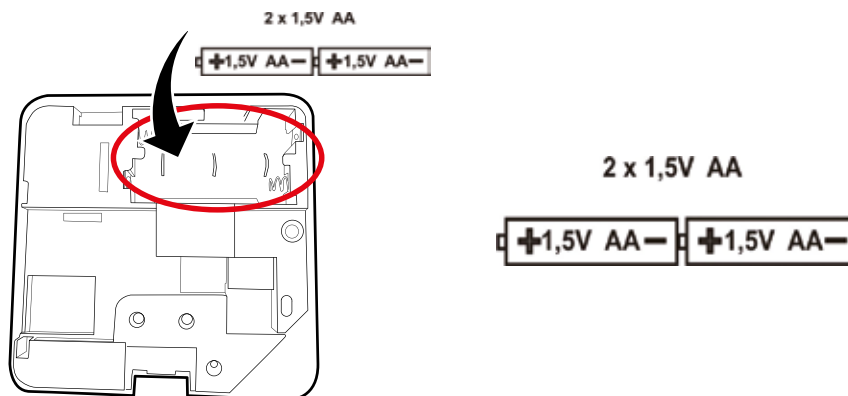
1



Remove the existing batteries and replace them with 2 new AA ones.

**Note:** 120s maximum battery change time to avoid losing programming time settings.

2



3

When changing batteries perform a RESET (as indicated in paragraph "3.3 - RESET"). Synchronisation with the APP is also recommended (as indicated in paragraph "4.2 - C800WIFI-APP SYNCHRONISATION").

## 2 - ELECTRICAL CONNECTION



**ATTENTION!**

Electrical connections must be made by qualified personnel.

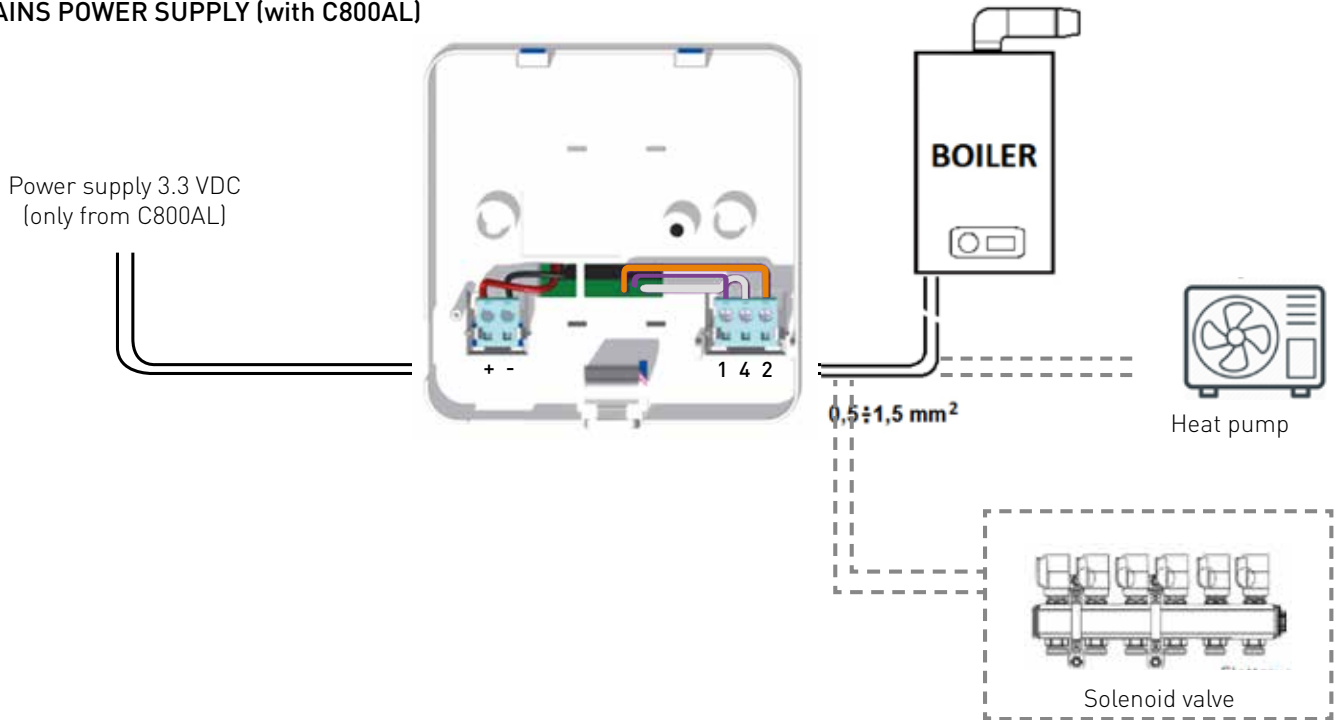


**ATTENTION!**

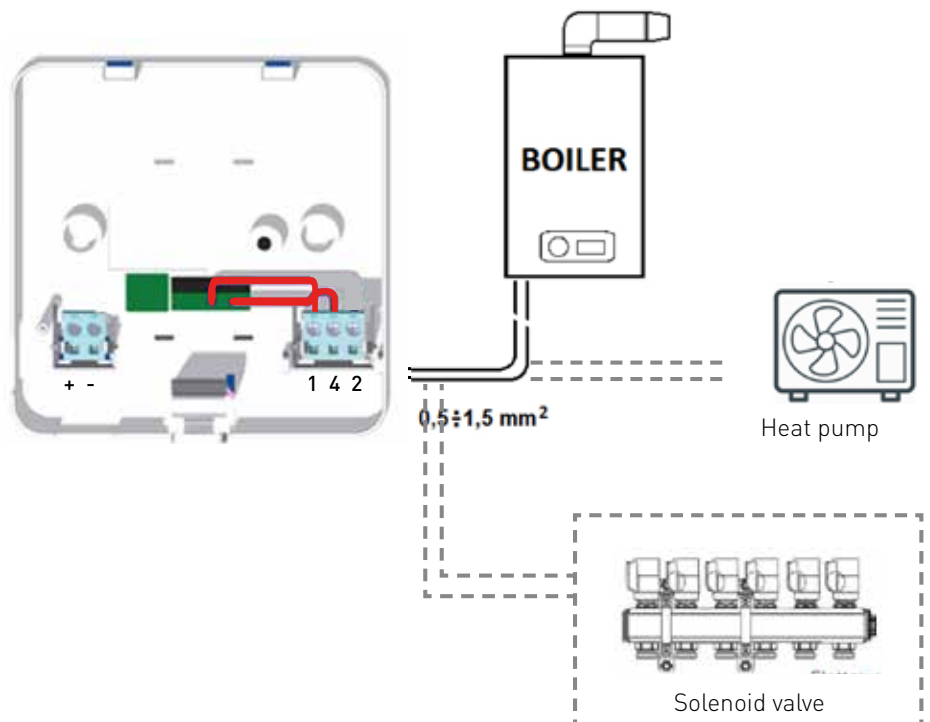
Electrical connection operations must be done with the system's power disconnected.

Electrical connections must be made referencing the following diagrams.

### MAINS POWER SUPPLY (with C800AL)



### BATTERY POWER SUPPLY



## 3 - PROGRAMMING GUIDE

### 3.1 - LETHARGY STATUS

1



If the C800WIFI is detached from the wall plate, it is insensitive to any stimulus.

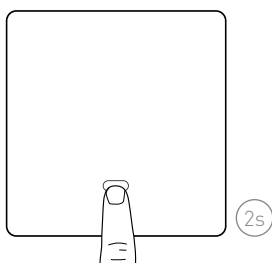
2



Once reconnected to the wall plate, the C800WIFI enters stand-by status: in this state the device is waiting to resume the operating conditions and shows the display always off.

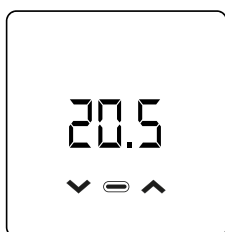
### 3.2 - STAND-BY STATUS OUTPUT

1



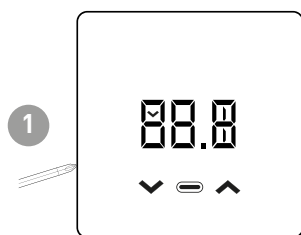
All the programmable thermostat LEDs are off in stand-by. To wake it up, press the MODE key (for 2s).

2

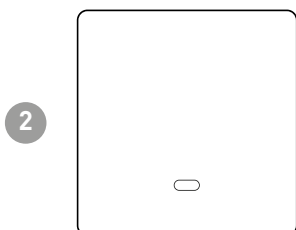


When awakened, the measured room temperature is displayed. After a time configurable via App (default 10s) the device returns to stand-by.

### 3.3 - RESET

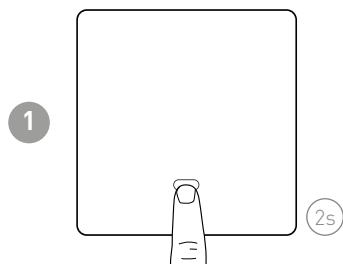


When powering up for the first time and if necessary, reset the device by pressing the Reset Switch on the side with a tip.

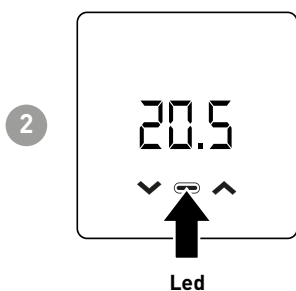


After a few seconds, the device enters stand-by.

### 3.4 - ROOM TEMPERATURE DISPLAY



Press the MODE key (for 2s) to wake up the device.

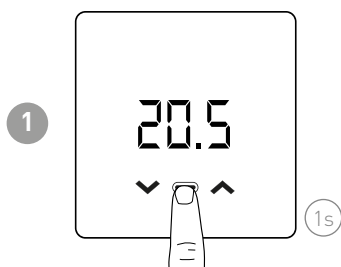


The room temperature is displayed (**View Temp**) and the heating/cooling status.

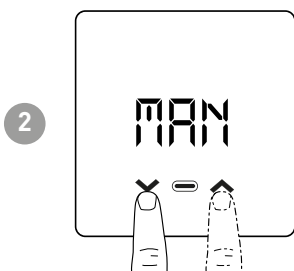
- Red LED: heating or cooling on;
- White LED: heating or cooling off;



### 3.5 - CHANGE MODE (MAN - AUTO - OFF)



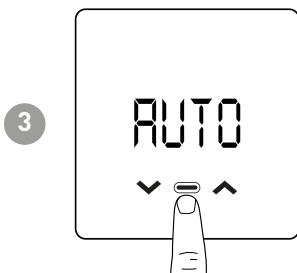
Press the MODE key (for 1s) to switch to the View Mode screen.



Press the UP key or DOWN key to change the operating mode.

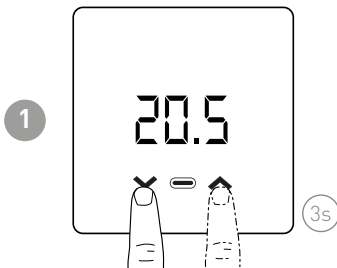
Operating modes:

- MAN: manual
- AUTO: automatic
- OFF: off

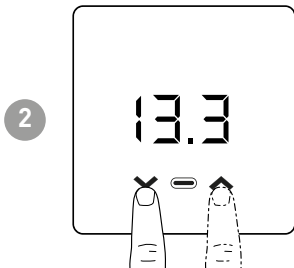


**Note:** After 10s during which no key is pressed, the device returns to Stand-by.

### 3.6 - CHANGE SETPOINT TEMPERATURE



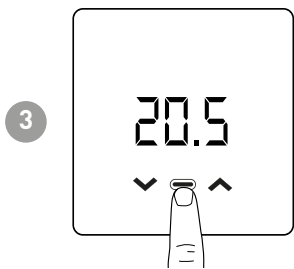
From the View Temp screen, press the UP or DOWN key (for 3s) to switch to the **View Setpoint** screen.



Press UP or DOWN key to change the setpoint temperature.

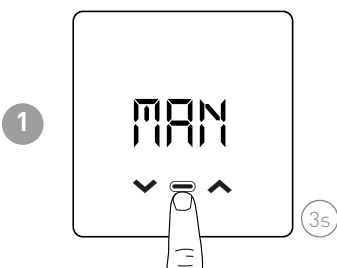
**Note:**

- in MAN:  $2^{\circ}\text{C} < T_{\text{man}} < 40^{\circ}\text{C}$
- in AUTO:  $2^{\circ}\text{C} < T_{\text{eco}} < T_{\text{com}} < 40^{\circ}\text{C}$
- OFF:  $---, 2^{\circ}\text{C} < T_{\text{off}} < 8^{\circ}\text{C}$

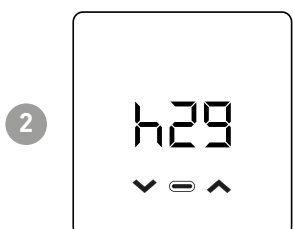


**Note:** After 10s during which no key is pressed, the device returns to Stand-by.

### 3.7 - RELATIVE HUMIDITY DISPLAY



From the View Mode screen, press the MODE key (for 3s) to switch to the **View Humidity** screen.

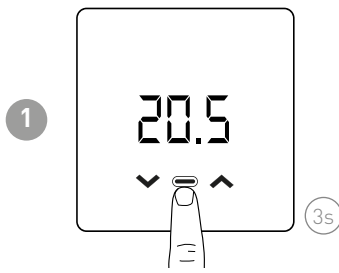


The relative humidity percentage is displayed. Pressing the MODE key re-enters the View Mode screen.

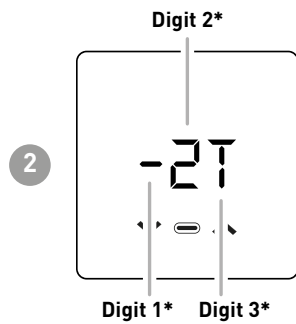
- rH display: 0 to 99% in steps of 1%

Note: After 10s during which no key is pressed, the device returns to Stand-by.

### 3.8 - LAST COMMUNICATION STATUS DISPLAY

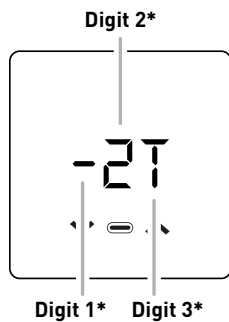


From the View Temp screen, press the MODE key (for 3s) to switch to the **View Communication** screen.



The status of the last communication is displayed. Pressing the MODE key returns you to the View Temp screen.

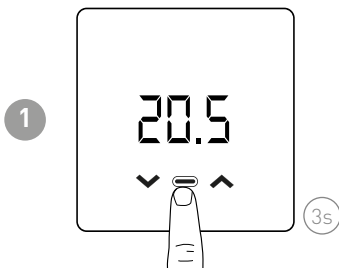
**Note:** After 10s during which no key was pressed, the device returns to the stand-by state.



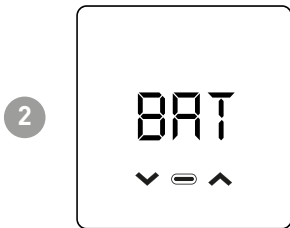
*Digit1 (COMMUNICATION)		
8	in progress	
-	fail	
V	ok	
*Digit2 (RSSI)		
''	empty	no connection to AP
0	<- 80	very low, problems
1	<- 70	bass
2	<- 50	good
3	>- 50	very good
*Digit3 (TRANSMISSION)		
T	always fixed	

**Note:** To force a transmission, PRESS and hold the UP or DOWN key.

### 3.9 - BATTERY STATUS DISPLAY



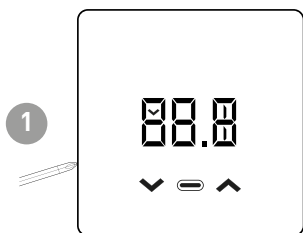
In the case of low batteries, instead of viewing the status of the last communication from the View Temp screen, pressing the MODE key (for 3s) switches to **View Battery**.



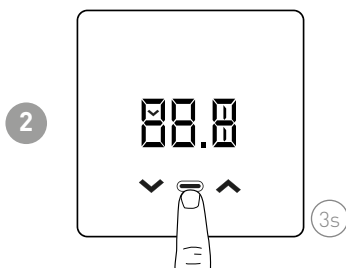
The battery status is displayed. Pressing the MODE key returns you to the View Temp screen.

- xxT: batteries OK
- LO BAT: batteries low but relay active; no Wifi communication.
- OFF BAT: batteries very low, relay off.

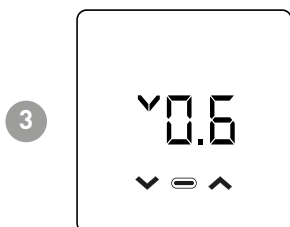
### 3.10 - FIRMWARE VERSION



Press the Reset Switch on the side with a tip.

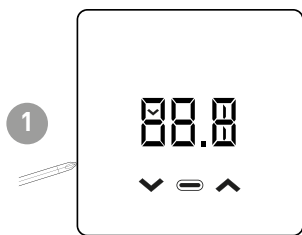


Press the MODE key (for 3s).

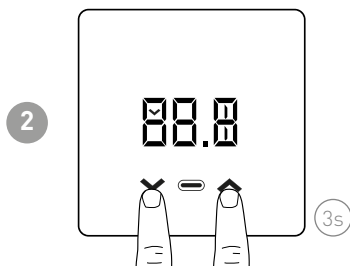


The programmable thermostat displays the current firmware version.

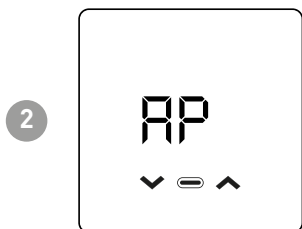
### 3.11 - ACCESS POINT



Press the Reset Switch on the side with a tip.



Press the UP and DOWN keys simultaneously for 3 seconds.



**Note:** Put the device in AP to associate it with the Intelliclima+ APP. The MAC address and Serial Number of the device are indicated on the label inside the product (see image).





Intelliclimate+

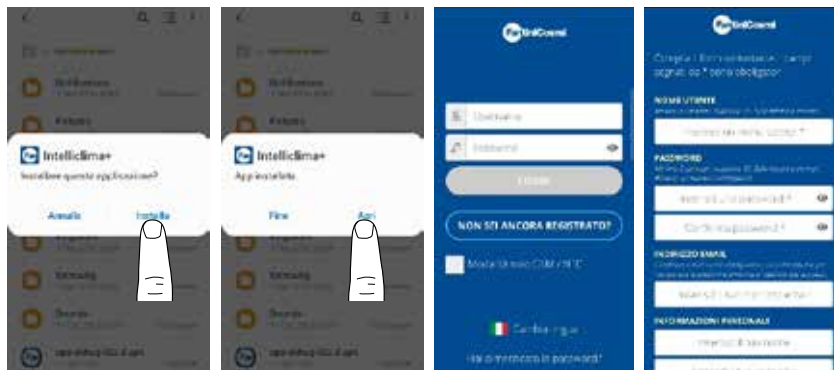
## 4 - PROGRAMMING VIA APP

Download the APP **Intelliclimate+**, available free of charge from the Google Play Store and Apple App Store. By framing the QR-code you will be directed directly to the link.



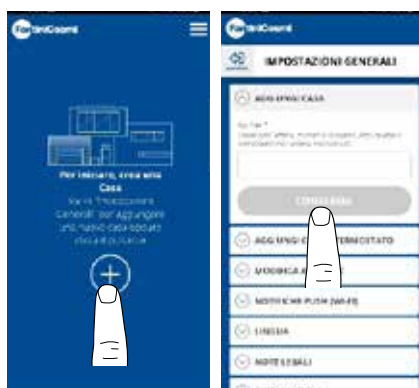
### 4.1 - INSTALLATION PROCEDURE

1



Install the APP and create an account **on first activation** by entering the user name and password (an active data connection is required for this).

2



Create a new home by pressing

- on the **+** key

or

- enter GENERAL SETTINGS and press ADD HOME.

Enter the desired HOME name and press **CONFIRM**.

3



Add the programmable thermostat by pressing the **+** key and select **C800WIFI**.

4



Follow the guided procedure.

5



The APP automatically detects the network with the strongest signal. The user can switch networks. Enter the network password and press the NEXT key.

6



Activate the ACCESS POINT mode on the programmable thermostat as described in paragraph “3.11 - ACCESS POINT”.

7



Press the WIFI SETTING key to find the programmable thermostat.

8



Select the programmable thermostat starting with FANxxxxx and wait for the message “CONNECTED,INTERNET NOT AVAILABLE” to appear, then go back to the APP.

9



Press the OK key when it turns green.

10



Wait for the APP to automatically search for the initial wifi network.  
If more than 10 seconds pass, press the WIFI SETTINGS key to search for the network manually.

11



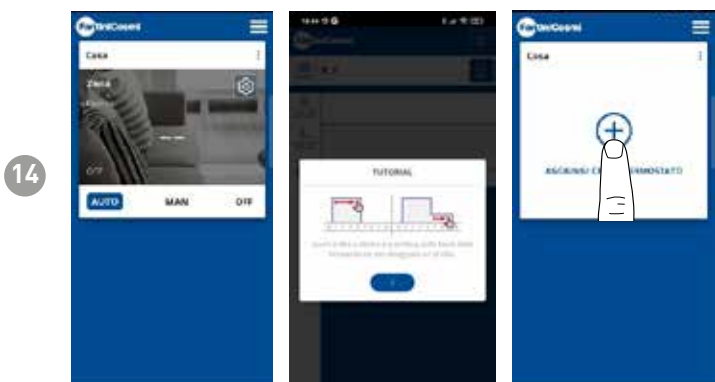
When all side ticks turn green, press the NEXT key.

12



Follow the guided procedure.

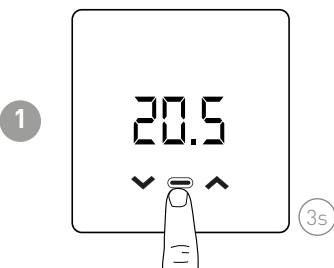




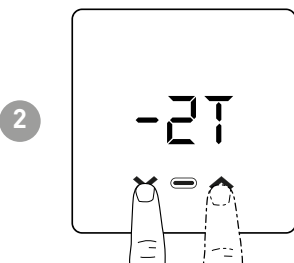
It is possible to pair another device in the same home by swiping your finger on the display and then repeating the procedure from step 3.

## 4.2 - C800WIFI-APP SYNCHRONISATION

After installing the APP, force a transmission on the Programmable thermostat to synchronise data with the C800WIFI.

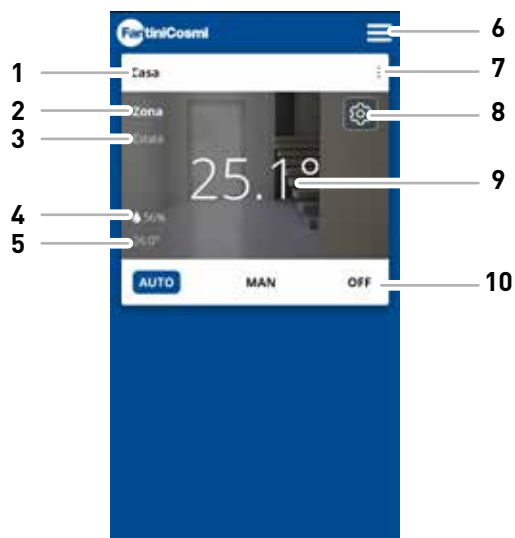


From the View Temp screen, press the MODE key (for 3s) to switch to the **View Communication** screen.



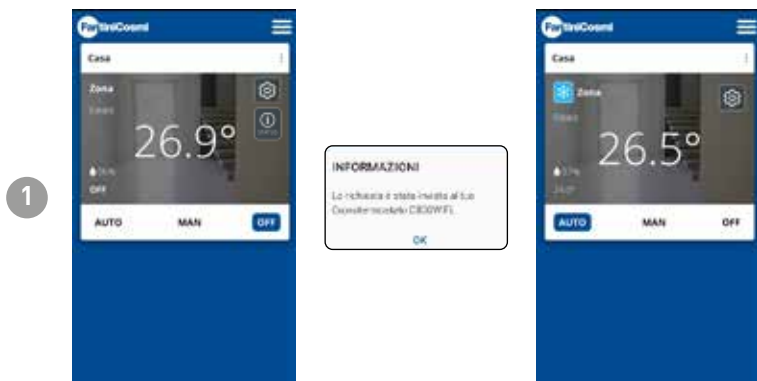
To force a transmission, press and hold the UP or DOWN key.

### 4.3 - PROGRAMMING C800WIFI



1	Home name
2	Zone name
3	Season
4	Current relative humidity (RH)
5	Current setpoint
6	General App settings
7	Home settings
8	General settings for Programmable Thermostat
9	Current room temperature
10	Operating mode

### 4.3.1 - AUTO MODE



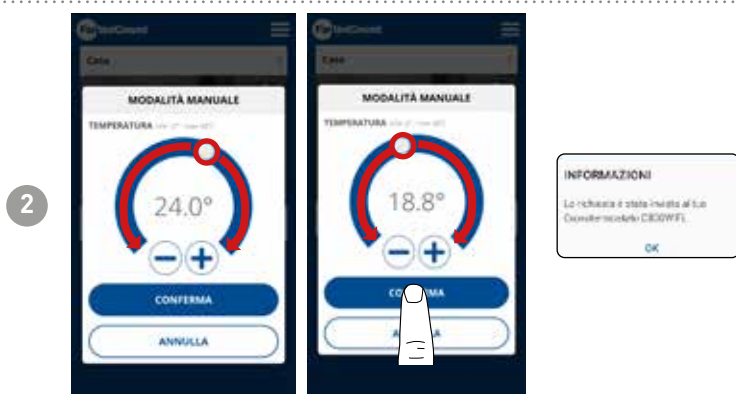
In AUTOMATIC mode, the programmable thermostat operates according to the time profiles set in PROGRAMS (see paragraph “4.4.1 - CHANGE AUTO PROGRAMS”).

**Note:** To preserve the programmable thermostat’s battery life, the C800WIFI and the APP do not communicate in real time. The variable communication interval, which can be changed via the APP (see page 39) is such that changes made by the APP are not immediately taken over by the programmable thermostat, but it is necessary to wait a certain amount of time. During this time, the programmable thermostat accepts one change at a time. Therefore, it is advisable not to send several changes at the same time and to make sure that the programmable thermostat has received it (the STATUS icon must disappear) before making another one.

### 4.3.2 - MAN MODE

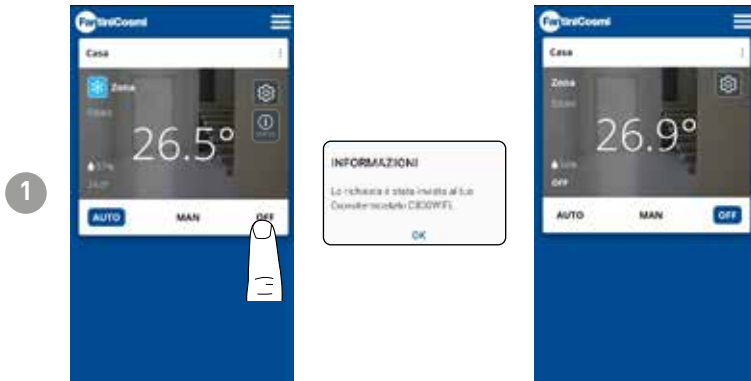


In MANUAL mode, the programmable thermostat works by following a single setpoint temperature throughout the day.



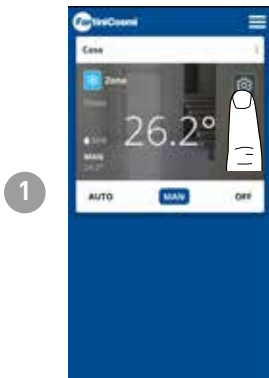
Move the Temperature slider to increase or decrease the Setpoint temperature.  
Press **CONFIRM**.

### 4.3.3 - OFF STATUS

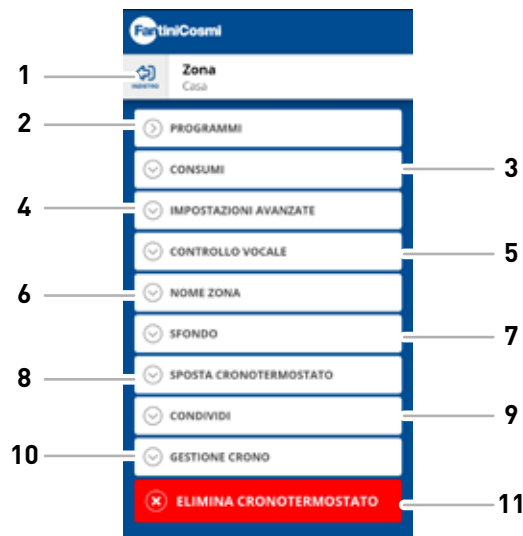


In OFF mode, the programmable thermostat is switched off.

## 4.4 - GENERAL SETTINGS FOR THE C800WIFI



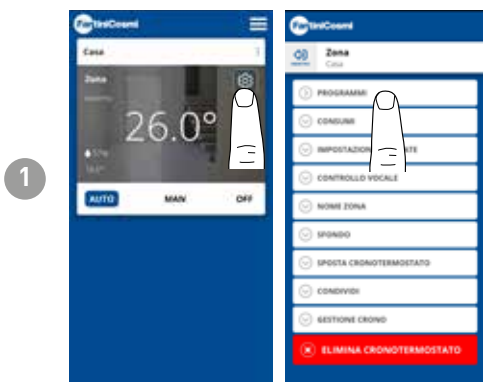
Press the icon shown to access the general settings list for managing the C800WIFI.



1	Back to HOME
2	Accesses the PROGRAM sub-menu
3	Accesses the CONSUMPTION sub-menu
4	Accesses the ADVANCED SETTINGS sub-menu
5	Accesses the VOICE CONTROL sub-menu
6	Changes the ZONE name
7	Changes the ZONE background
8	Moves the programmable thermostat to another HOME
9	Shares the programmable thermostat
10	Programmable thermostat management
11	Deletes the programmable thermostat

### 4.4.1 - CHANGE AUTO PROGRAMS

Changing the weekly programs for AUTO mode (inherent to the chosen season).



Different profiles can be created, edited, duplicated from the APP. Each day of the week can be associated with a different profile.



Choice of days of the week associated with the profile/program.

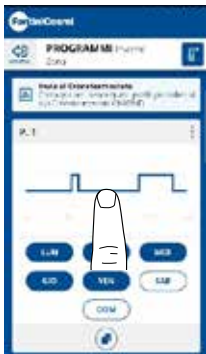


A PROFILE/PROGRAM can be duplicated and then edited.



Press on the program name to change it.  
**Note:** no two programs can have the same name.

5



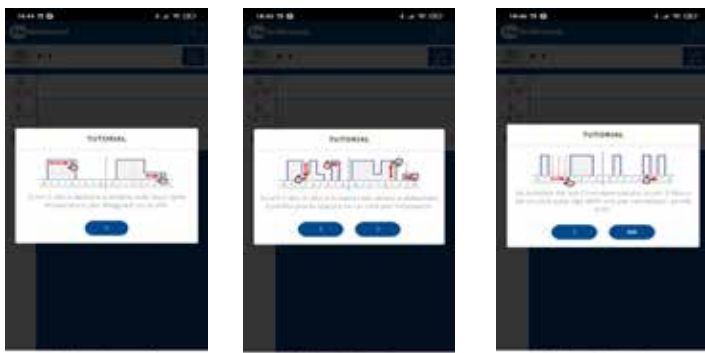
Click on the profile to change it.

6



When you log in for the first time, the TUTORIAL with an indication of how to edit the profile is automatically displayed; otherwise, to display it again, press the HELP key.

7



Follow the explanations.

8



Edit the program and press the SAVE key.

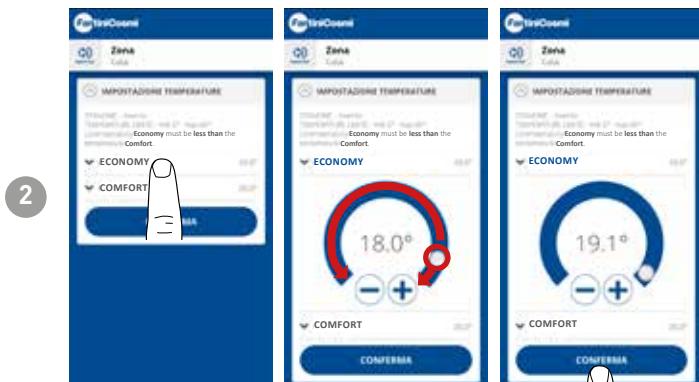
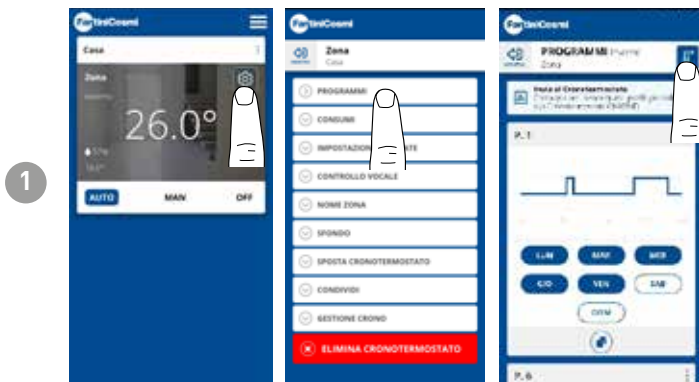
9



To send profile changes to the programmable thermostat, press the SEND key.

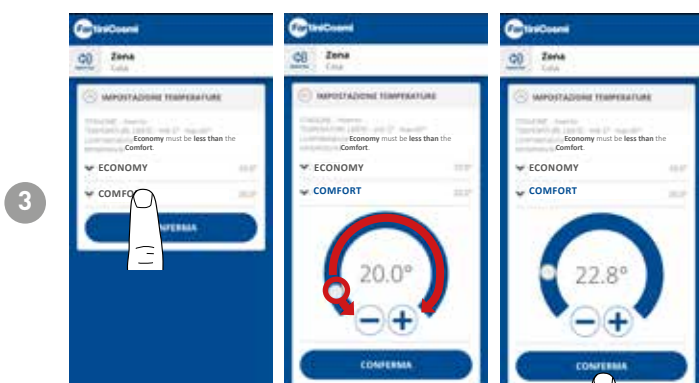
### 4.4.1.1 - CHANGE AUTO TEMPERATURES

Changing the **Comfort (Sun)** and **Economy (Moon)** temperatures for AUTO mode (inherent to the chosen season).



INFORMAZIONI  
Lo richiesta è stata inviata al tuo  
Controllore/valvola C800WIFI.  
OK

Move the Temperature slider to increase or decrease the ECONOMY temperature.  
Press **CONFIRM**.

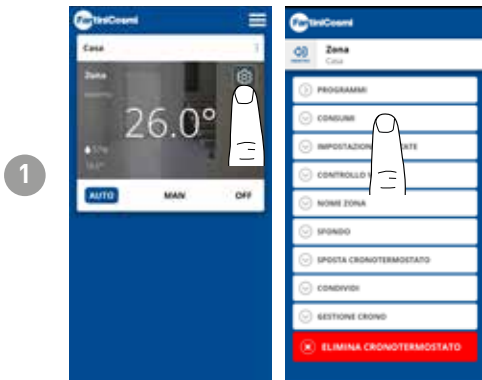


INFORMAZIONI  
Lo richiesta è stata inviata al tuo  
Controllore/valvola C800WIFI.  
OK

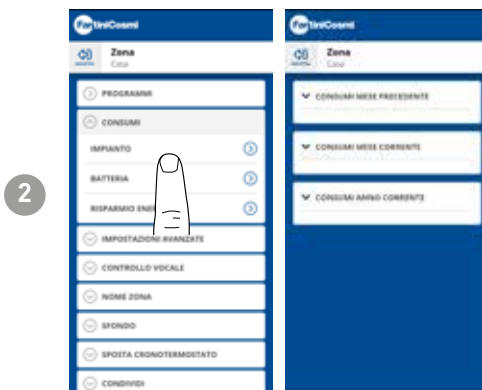
Move the Temperature slider to increase or decrease the COMFORT temperature.  
Press **CONFIRM**.



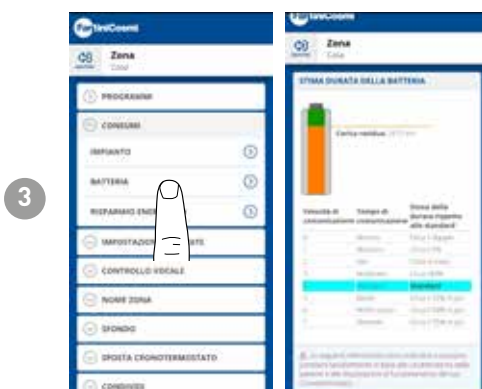
### 4.4.2 - CONSUMPTION



From the APP it is possible to view the consumption of the SYSTEM (hours of operation), of the programmable thermostat (BATTERY charging) and the ENERGY SAVINGS achieved through the smart functions of the C800WIFI.



Display of system operating hours.



Display of battery status and estimated battery life depending on the chosen communication time.

4



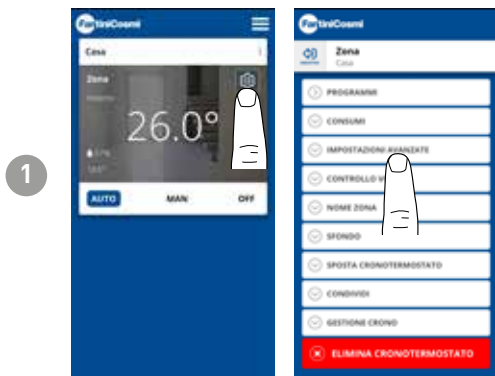
Displays the CO<sub>2</sub> savings obtained by activating the smart functions on the C800WIFI compared to traditional programmable thermostat operation calculated according to the climate zone to which it belongs.

5



Saving CO<sub>2</sub> is equivalent to planting new trees, while increasing emissions is equivalent to cutting them down. This page shows the ecological footprint achieved by using a smart system.

### 4.4.3 - ADVANCED SETTINGS

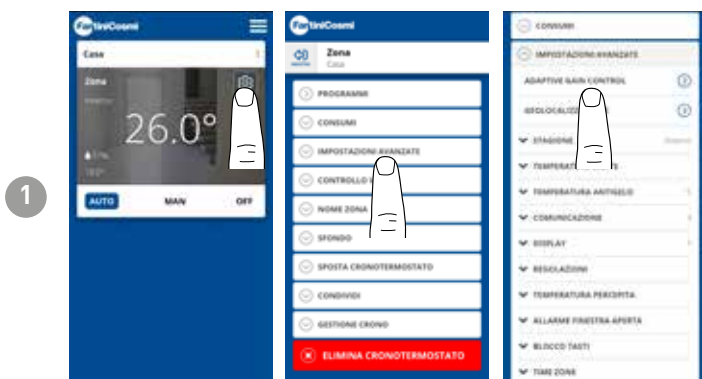


Press the icon shown to access the advanced settings list for managing the C800WIFI.



1	SMART function - Adaptive Gain Control (AGC)
2	SMART Function - Geolocation
3	Changes season
4	Changes various temperature limits
5	Changes anti-freeze temperature
6	Changes communication time between C800WIFI and APP
7	Changes C800WIFI display brightness
8	Changes adjustments (differential and offset)
8	SMART function - perceived temperature
9	Open window alarm
10	C800WIFI key lock
11	Time zone

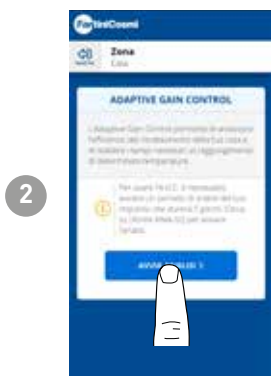
### 4.4.3.1 - ADVANCED SETTINGS: ADAPTIVE GAIN CONTROL



Thanks to artificial intelligence, the programmable thermostat progressively learns the arrival time of the systems based on actual building conditions, further optimising behaviour and consumption

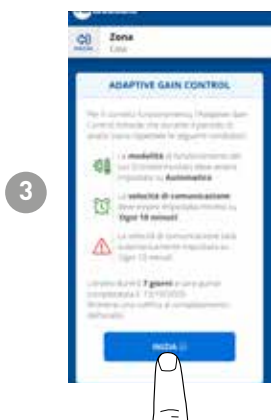
This allows the C800WIFI to perform optimal start-up/shut-down control of the system to ensure the desired temperature at the desired time.

**Note:** activation of this SMART function is only possible in AUTO mode. If AGC is active, the GEOLOCATION function cannot be managed and vice versa.



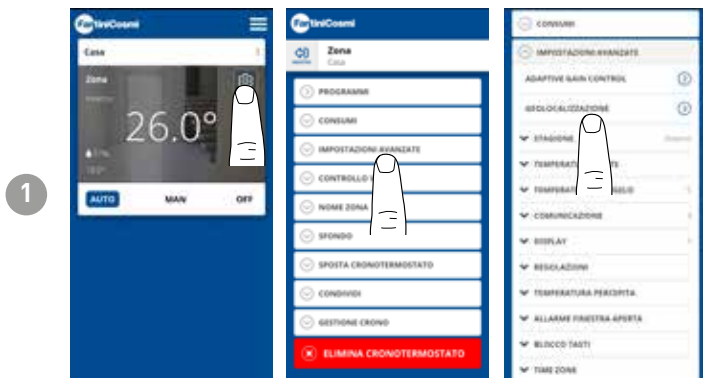
After 7 days, the AGC function is ready to optimise the switching on and off of the system.  
Press the ACTIVATE key.

**Note:** when the 7 days expire, an ALERT notification appears on the APP.



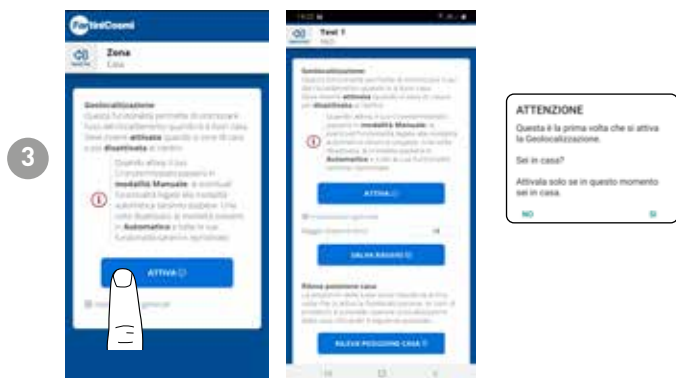
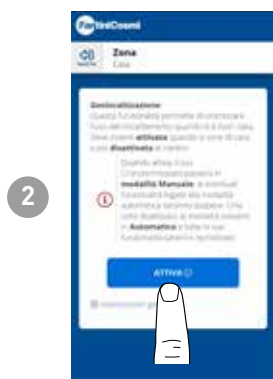
Activate the system ANALYSIS function, which will last 7 days.

### 4.4.3.2 - ADVANCED SETTINGS: GEOLOCATION



This function calculates the distance from home of your smartphone and adjusts the setpoint to avoid unnecessary energy waste when you are away from home.

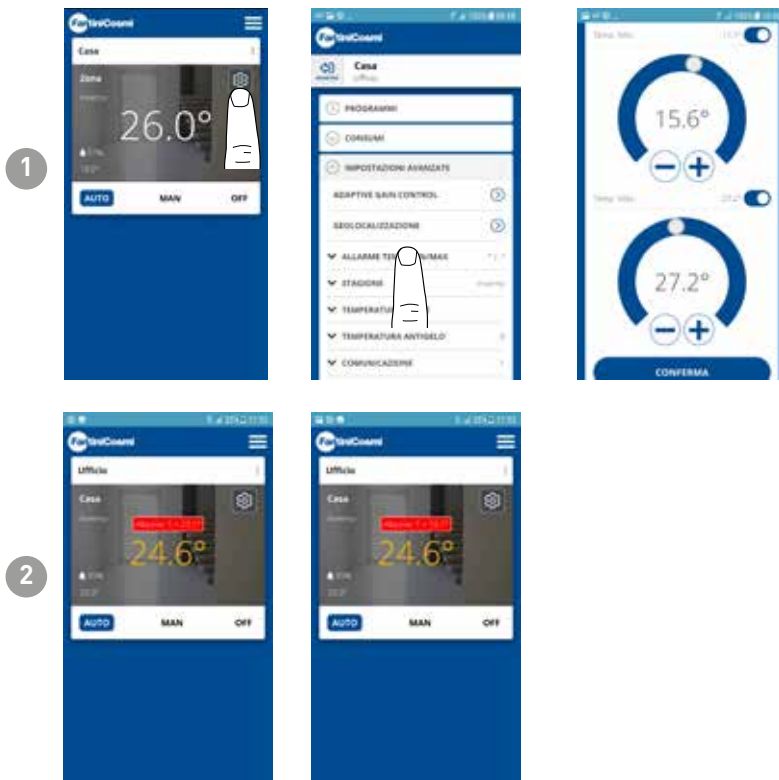
**Note:** activation of this SMART function forces the programmable thermostat to operate in MAN mode by automatically changing the setpoint temperatures (inside the home = Tcomfort; away from home = Teconomy). If GEOLOCATION is active, the AGC function cannot be managed and vice versa.



From GENERAL SETTINGS you can change the ACTION RANGE (indicates the maximum distance in kilometres in which the temperature is changed) which determines the setpoint change. When your smartphone is above the indicated threshold, the programmable thermostat setpoint reaches the Teconomy value set in the AUTO configuration.

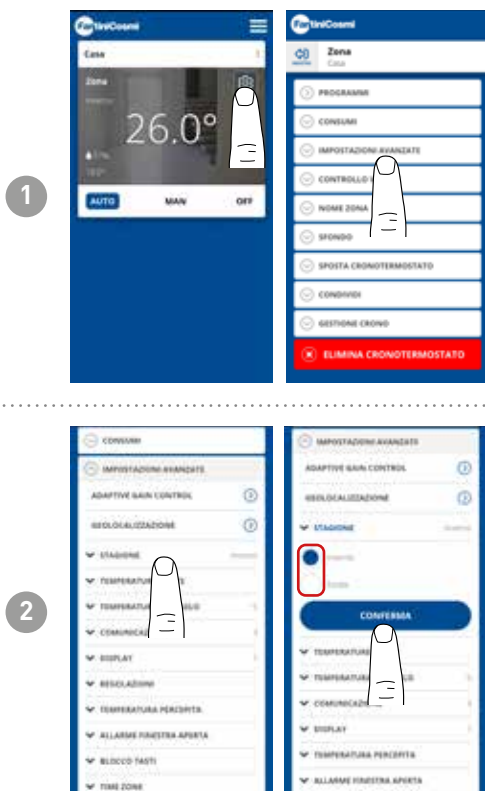
### 4.4.3.3 - MIN/MAX TEMP. ALARM

Activates an alarm signal if the Room Temperature is lower than the set Minimum Temperature and/or higher than the set Maximum Temperature.



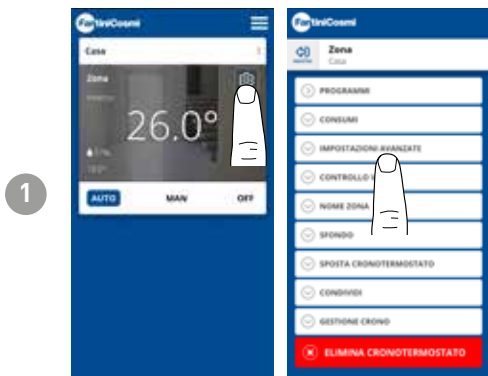
### 4.4.3.4 - ADVANCED SETTINGS: SEASON

Changes the Season (Summer/Winter) of operation of the programmable thermostat.

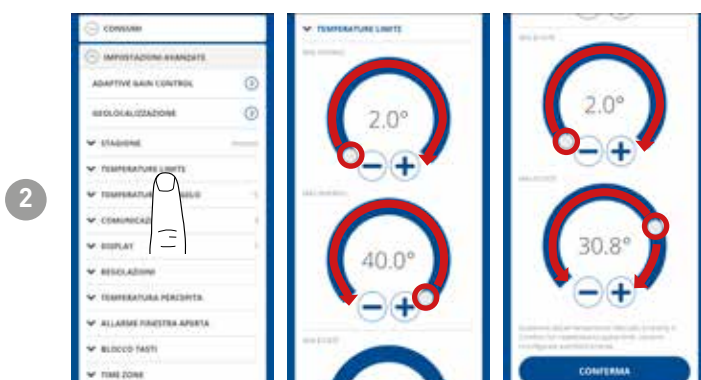


### 4.4.3.5 - ADVANCED SETTINGS: TEMPERATURES

Changes the max. and min. limits of the setpoint temperatures in Winter and Summer.



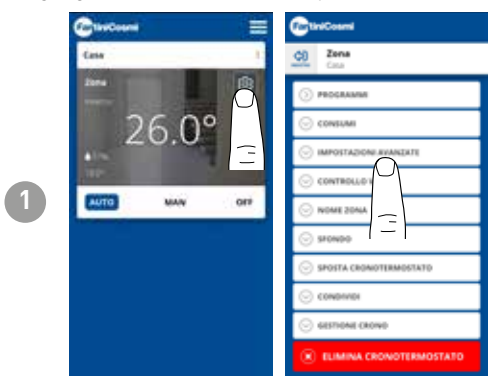
**Note:** only qualified personnel should perform this modification.



Move the slider to increase or decrease the limit temperatures. Press **CONFIRM**.

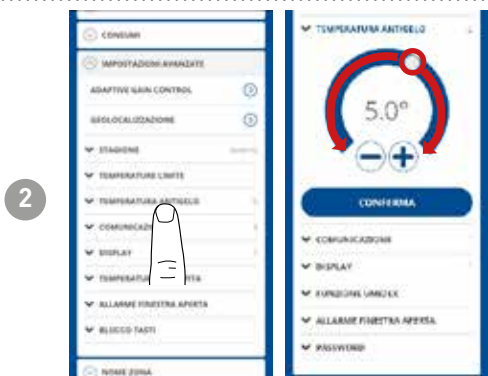
### 4.4.3.6 - ADVANCED SETTINGS: ANTI-FREEZE TEMPERATURE

Changing the anti-freeze temperature.



- Settable ANTI-FREEZE: 2° to 8°C; 0.1°C resolution.

**Note:** only qualified personnel should perform this modification.

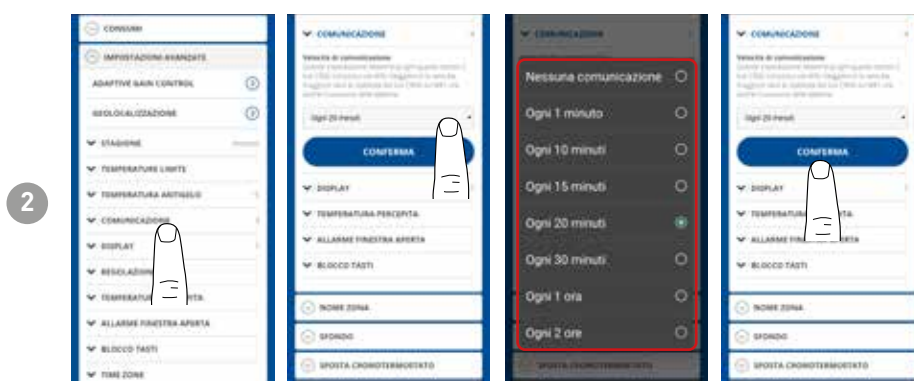
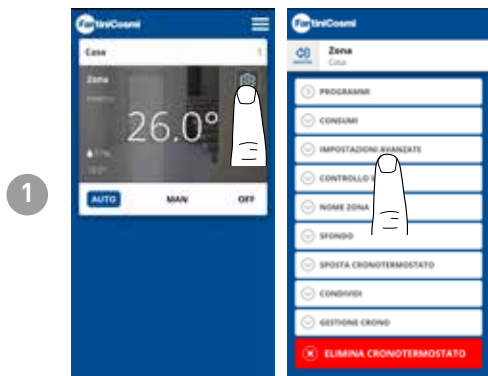


Move the slider to increase or decrease the Anti-Freeze temperature. Press **CONFIRM**.

### 4.4.3.7 - ADVANCED SETTINGS: COMMUNICATION

Changing communication between programmable thermostat C800WIFI and the APP.

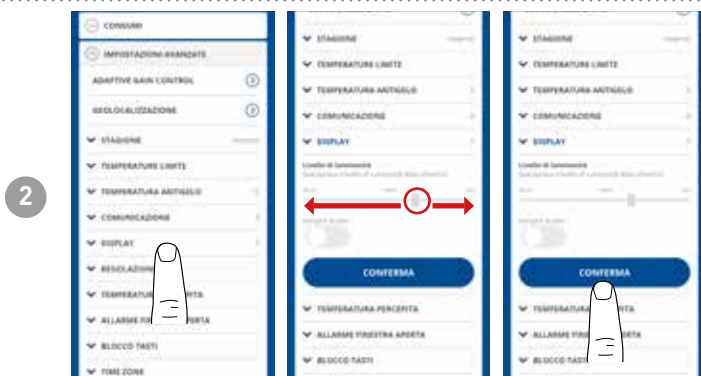
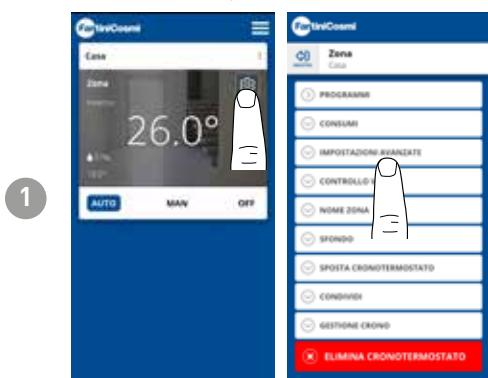
**IMPORTANT:** the shorter the set communication time, the higher the battery consumption. If the programmable thermostat is a C800WIFIPRO or powered via C800AL, we recommend setting communication to 1 minute.



### 4.4.3.8 - ADVANCED SETTINGS: DISPLAY

Changing the brightness of the C800WIFI display.

From the APP you can change the brightness of the display and decide whether to have it always on (only recommended for the C800WIFIPRO powered by 230Vac).



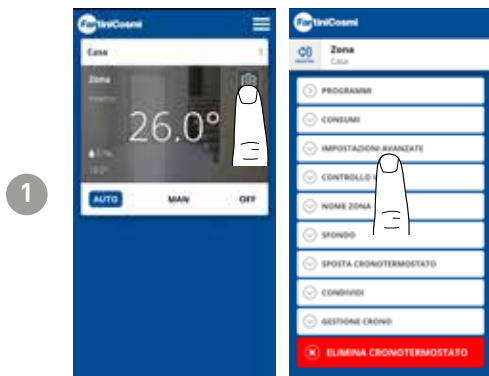
Move the slider to increase or decrease the brightness level of the display.

Press .

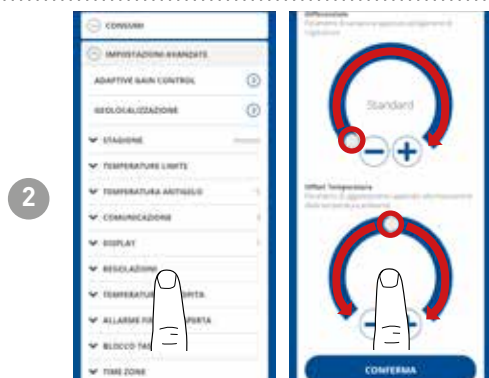


### 4.4.3.9 - ADVANCED SETTINGS: ADJUSTMENTS

From the APP, you can change the control differential of the C800WIFI and the offset of the temperature read by the programmable thermostat. **Note:** both settings should be changed by trained personnel only.



- DIFFERENTIAL can be set to values: Standard; 0.3°C to +5°C; resolution 0.1°C
- Settable OFFSET: -5°C to +5°C; resolution 0.1°C

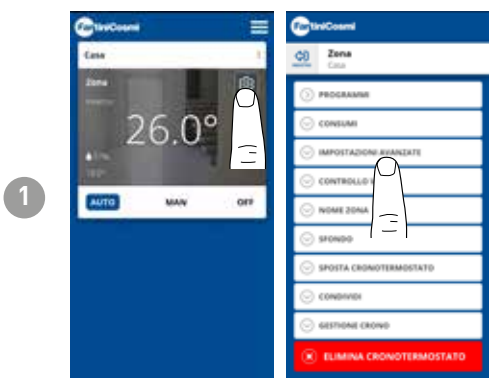


Move the slider to increase or decrease the differential and/or temperature offset.  
Press **CONFIRM**.

### 4.4.3.10 - ADVANCED SETTINGS: PERCEIVED TEMPERATURE

Fantini Cosmi's Adaptive Algorithm is able to adapt the desired setpoint temperature of the system to the perceived temperature (mixture of measured room temperature and measured relative humidity), in order to achieve greater comfort and efficiency. The setpoint temperature will not be compared to the desired room temperature but to the perceived temperature. The thermostat will compare this temperature with the current perceived temperature to ensure user comfort.

By activating the perceived temperature function, the programmable thermostat will display the perceived temperature instead of the room temperature.

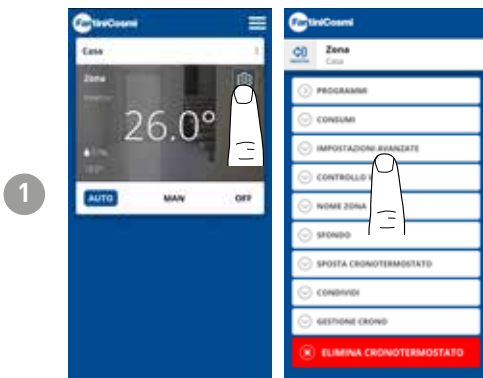




**Note:** The APP will display the perceived temperature (in yellow) instead of the room temperature read by the programmable thermostat. The C800WIFI will also show the perceived temperature on the display.

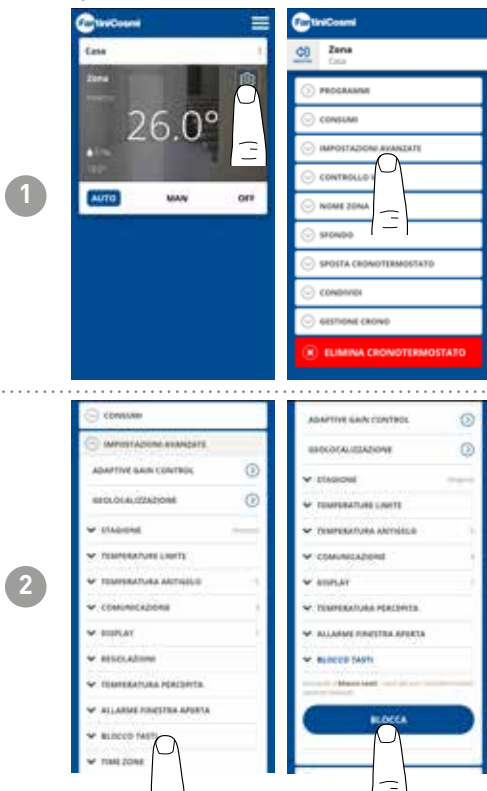
#### 4.4.3.11 - ADVANCED SETTINGS: OPEN WINDOW ALARM

Open window detection uses sudden temperature changes to detect whether a window is open. In this case, an alarm is sent and the programmable thermostat switches to Economy mode. It will remain there until the window is closed or the alarm is reset.



### 4.4.3.12 - ADVANCED SETTINGS: KEY LOCK

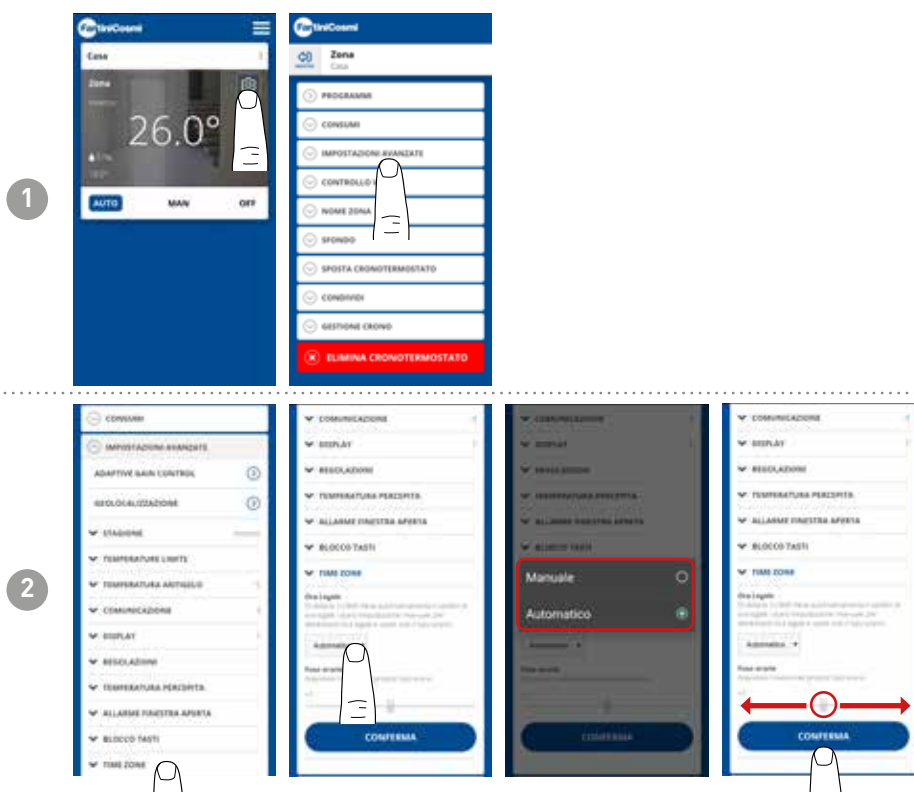
Activating the Key Lock function will lock the keys on the programmable thermostat.



### 4.4.3.13 - ADVANCED SETTINGS: TIME ZONE

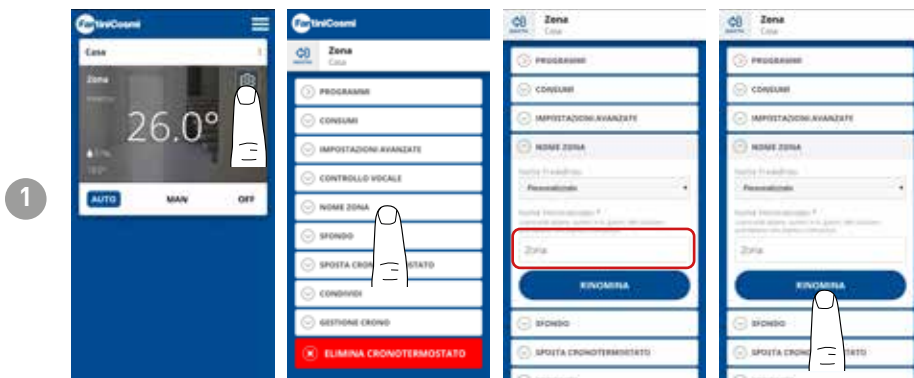
The user can decide whether or not to activate DAYLIGHT SAVINGS automatically or manually.

He or she can also set a TIME ZONE different from the one automatically taken by the smartphone. Example: the C800WIFI is installed in a city other than the one you normally live in, with a different time zone from the smartphone.



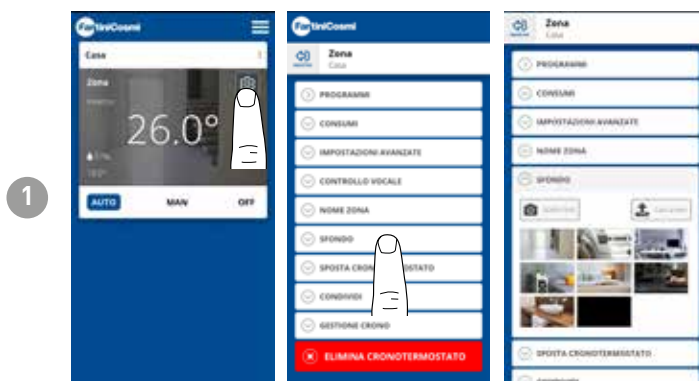
#### 4.4.4 - ZONE NAME

Change the name of the zone where the programmable thermostat is installed.



#### 4.4.5 - BACKGROUND

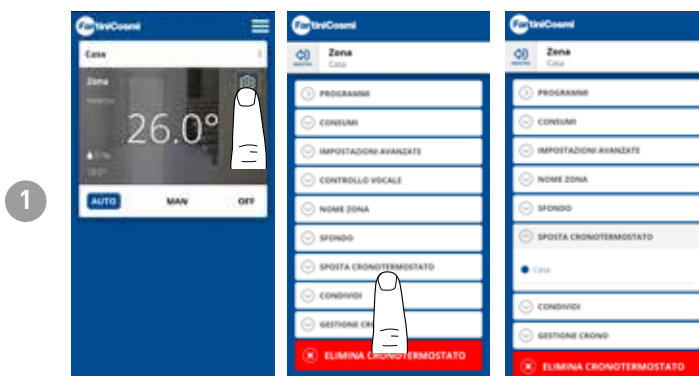
Change the background of the zone where the programmable thermostat is installed.



**Note:** you can take default photos or photos in your own gallery or take snapshots and insert them as wallpaper.

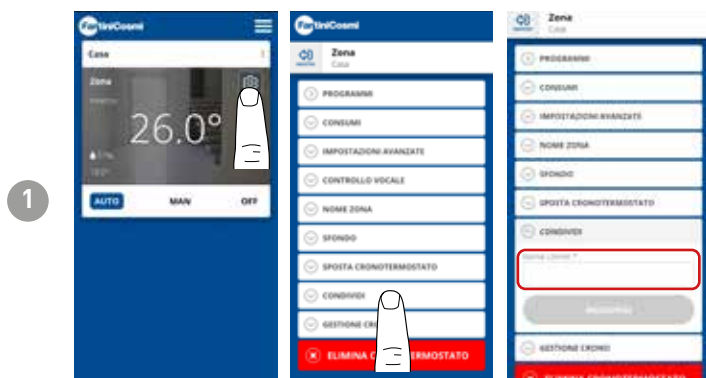
#### 4.4.6 - MOVE PROGRAMMABLE THERMOSTAT

It is possible to move the programmable thermostat from one home to another.



### 4.4.7 - SHARE

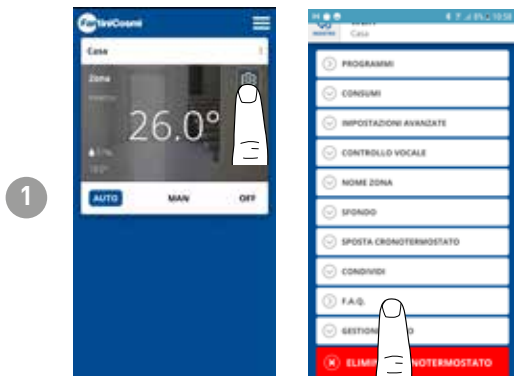
Allows the programmable thermostat to be shared with other users. You only need to enter the other user's account name and press the ADD key.



**Note:** the “sharing” user has reduced functionality on the APP compared to the “owner” user of the programmable thermostat.

### 4.4.8 - F.A.Q.

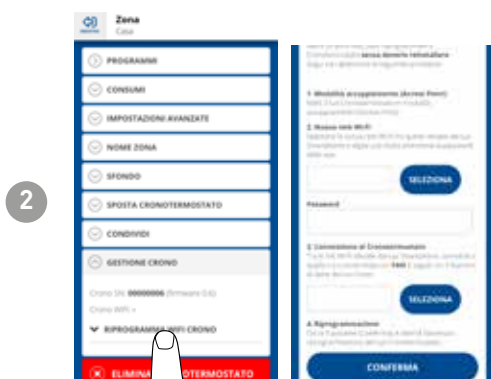
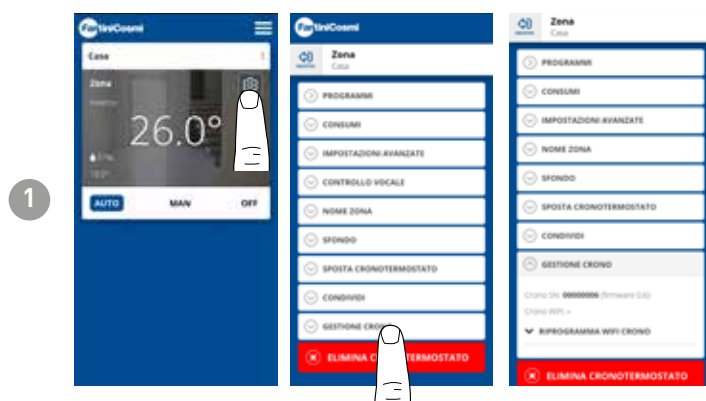
Questions and answers about programmable thermostat C800WIFI



It is possible to consult these questions and answers at the link [www.fantinicosmi.it/faq-c800wifi/](http://www.fantinicosmi.it/faq-c800wifi/) or directly from the app with the F.A.Q. button

### 4.4.9 - PROGRAMMABLE THERMOSTAT MANAGEMENT AND ROUTER CHANGE

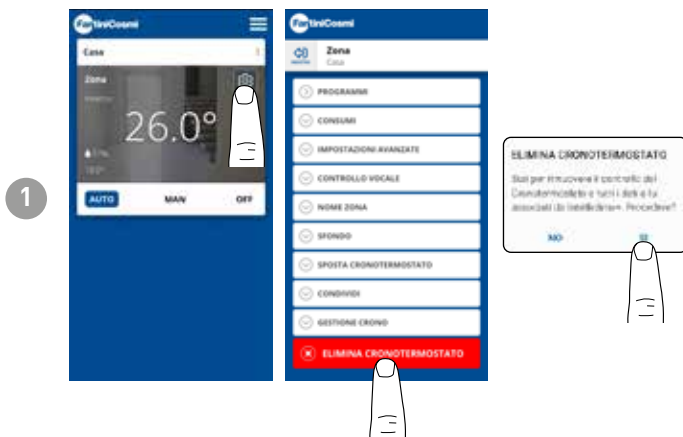
General information on the programmable thermostat.



If you change routers, you can hook the programmable thermostat to the new router without having to redo installation from scratch.

### 4.4.10 - DELETE PROGRAMMABLE THERMOSTAT

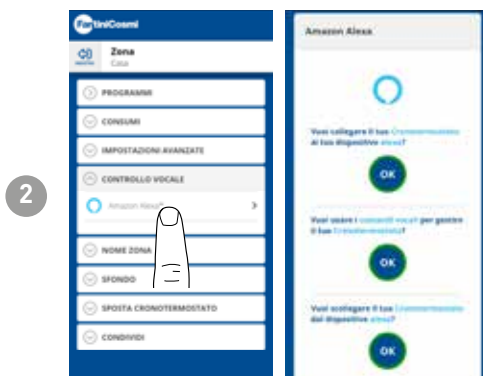
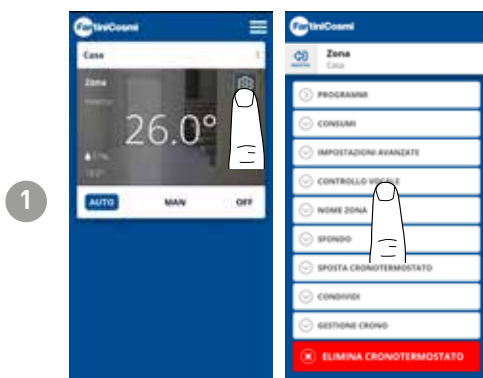
Allows the programmable thermostat to be removed from the home with which it is associated.



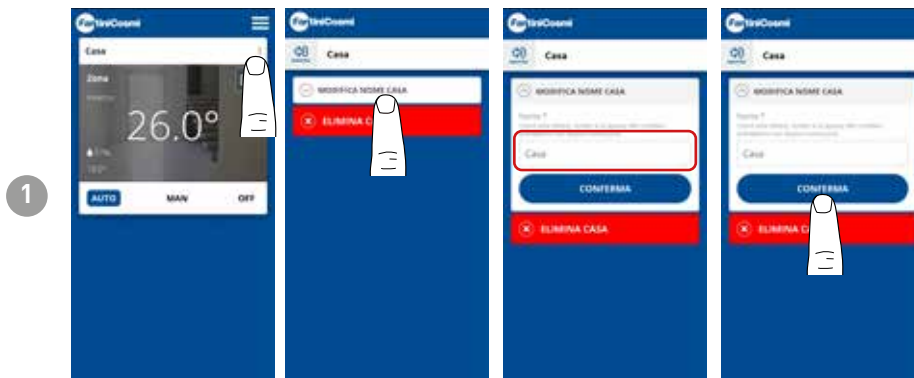
**Note:** the operation cannot be restored with a CLICK! You should reinstall the programmable thermostat from scratch, following all the steps.

### 4.4.11 - ALEXA VOICE CONTROL

This allows the programmable thermostat to be operated via Amazon Alexa smart speakers (available only in italian language).



### 4.4.12 - HOME SETTINGS



Allows you to **change the name of the home** selected.

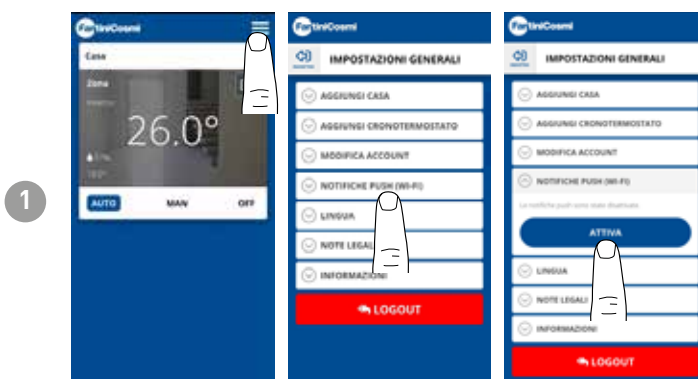


Allows you to **delete the name from the home** selected.


### 4.4.13 - APP SETTINGS: PUSH NOTIFICATIONS

PUSH notifications are the alerts that arrive on mobile phones if there are various anomalies in the operation of the **Intelliclimate+** system on **FANTINI COSMI S.p.A.**

**Note:** only work on WIFI devices and if you activate data service on your smartphone.



## 5 - TECHNICAL FEATURES

Battery power supply	2 AA 1.5V alkaline batteries
Battery life	>1 year ( In STANDARD mode )
Nominal supply voltage (optional)	3.3 Vdc @1500 mA MAX
Max. mains power consumption	5 W
Switching off LEDs	5/10/15 s since last press always ON
-Temperature adjustment scale	2 - 40 °C, increase 0.1°C
Measurement scale/room T display	- 50 to + 50 °C, resolution 0.1 °C
Measurement scale/room relative humidity display	0 - 99 %, increase 1%
Internal sensor type	digital
Relay output with changeover dry contacts	5(3)A 230 V~
Terminals	L phase, N neutral, COM relay, NC relay, NO relay
Microdisconnection	1 B.U.
Nominal conductor cross-section for flexible cables	0.5 to 1 mm <sup>2</sup>
Connecting cables to terminals	Type X
Minimum adjusting differential	STD, 0.3 - 5 K
Thermal gradient of reference	4 K/h
Maximum room temperature	45°C
Storage temperature	-10°C - +60°C
Rated impulse voltage	4000 V
Software	class A
WIFI connection	2.4 GHz (802.11 b/g/n)
Router communication port	1083
Maximum radio frequency power transmitted	< 10 mW
Insulation class	Class II 
Protection rating	IP32
Degree of pollution	2
Number of manoeuvre cycles for manual actions	3000
Number of manoeuvre cycles for automatic actions	10000
Mounting	Wall or recessed box
Dimensions	<ul style="list-style-type: none"> <li>■ 98 x 98 x 20 mm (C800WIFIQ)</li> <li>■ 125 x 98 x 20 mm (C800WIFIR)</li> </ul>
Weight	0.100 kg
Compliant with standards	<ul style="list-style-type: none"> <li>■ EN 60730-1 and second parts</li> <li>■ Directive 2014/53/EU (RED)</li> <li>■ Directive 2014/30/EU (EMC)</li> <li>■ Directive 2014/35/EU (LVD)</li> </ul>
ErP classification	ErP Class IV, 2 % (Reg. EU 811/2013 - 813/2013)
Product not manufactured in Italy	



## 6 - DISPOSAL



The symbol of the crossed-out wheeled bin indicates that the products must be collected and disposed of separately from household waste. The batteries and integrated accumulators may be disposed of together with the product. They will be separated at the recycling facilities. A black bar indicates that the product was placed on the market after August 13th, 2005. Participating in the separate collection of products and batteries contributes to the correct disposal of these materials and therefore avoids possible negative consequences for the environment and human health. For more detailed information on the collection and recycling programmes available in your country, contact the local authorities or the sales point where you purchased the product.

## 7 - GENERAL WARRANTY CONDITIONS

The conventional warranty lasts 24 months, starting from the date the equipment is installed. The warranty covers all parts of the equipment, except those subject to normal wear and tear resulting from use.

EAC CE

5679967D - 4/2024



**FANTINI COSMI S.p.A.**  
Via dell'Osio, 6 20049 Caleppio di Settala, Milano - ITALY  
Tel. +39 02 956821 | Fax +39 02 95307006 | [info@fantinicosmi.it](mailto:info@fantinicosmi.it)  
[www.fantinicosmi.it](http://www.fantinicosmi.it)