



Programming thermostats using the View App.

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## Minimum hardware and software requirements to use the App

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### 1. Minimum hardware and software requirements to use the App

#### Hardware

Tablet and smartphone.

#### Software for tablet/smartphone

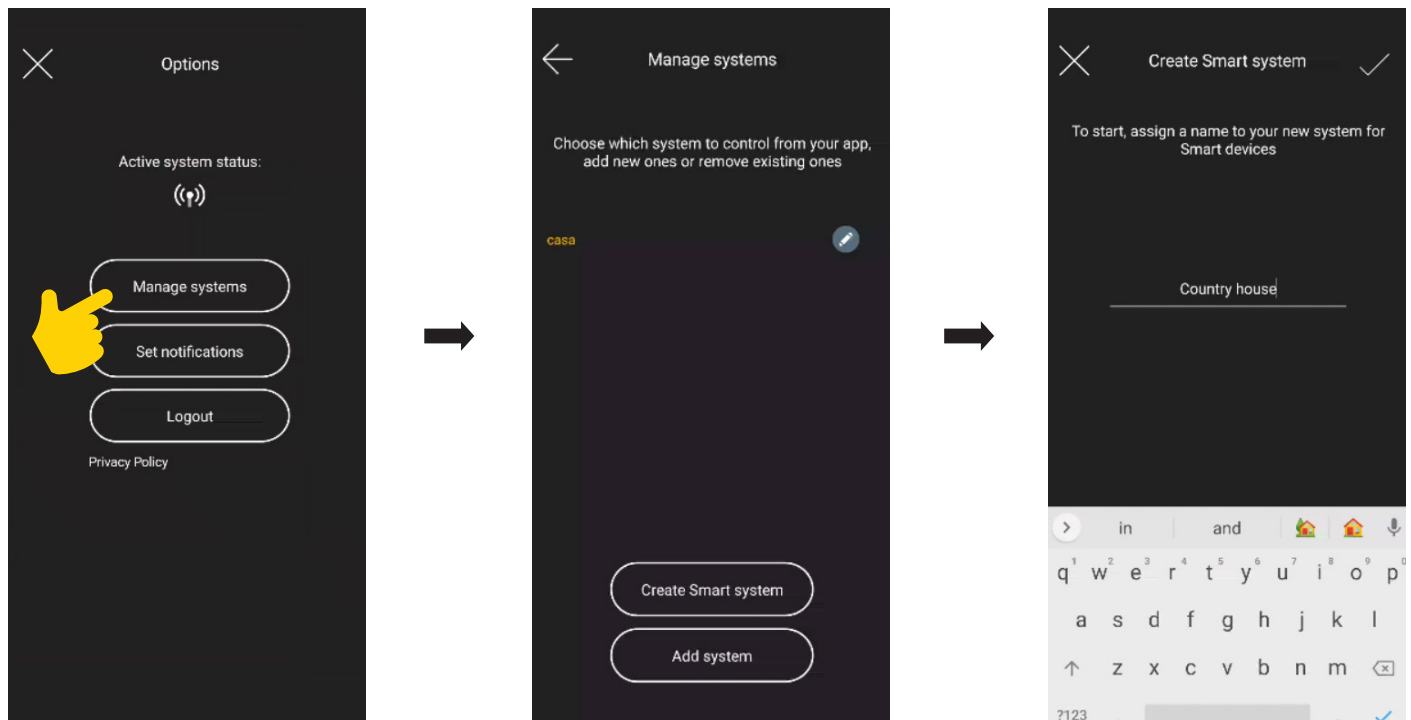
- Android operating system ver. 6 e later.
- iOS operating system ver. 11 e later.

## Wi-fi thermostat configuration

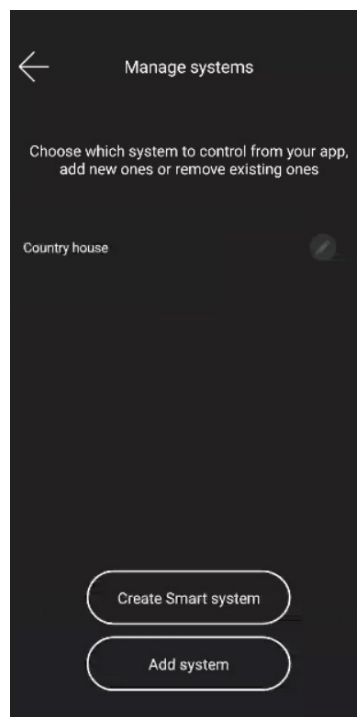
### 2. Wi-fi thermostat configuration

The View App makes use of the Wi-Fi/Internet connection to set all the thermostat functions (time schedules, operating modes, etc.).



- From the screen containing the list of systems, select "Create Smart system" and give it a name (in practice, this is a system that will only contain smart devices).

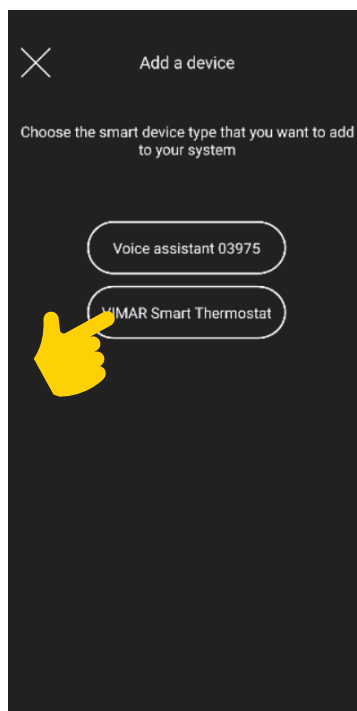


After the system dedicated to smart devices has been created, it will be displayed on the screen containing the list of systems (in this example "Country house").

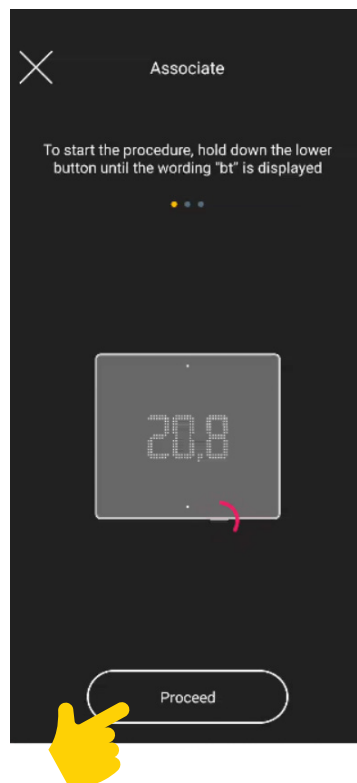
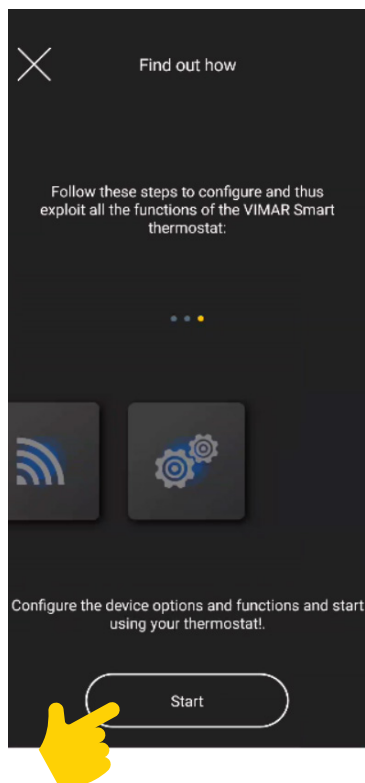


## Wi-fi thermostat configuration

- Select the system you just created (in this example "Country house") → "Customise" (  ) → "Smart devices" → "Add" (  ).
- Select "Smart thermostat"



- Select "Start" and then "Proceed"; with the Bluetooth connection active, approach the thermostat and press the configuration button for 5 s



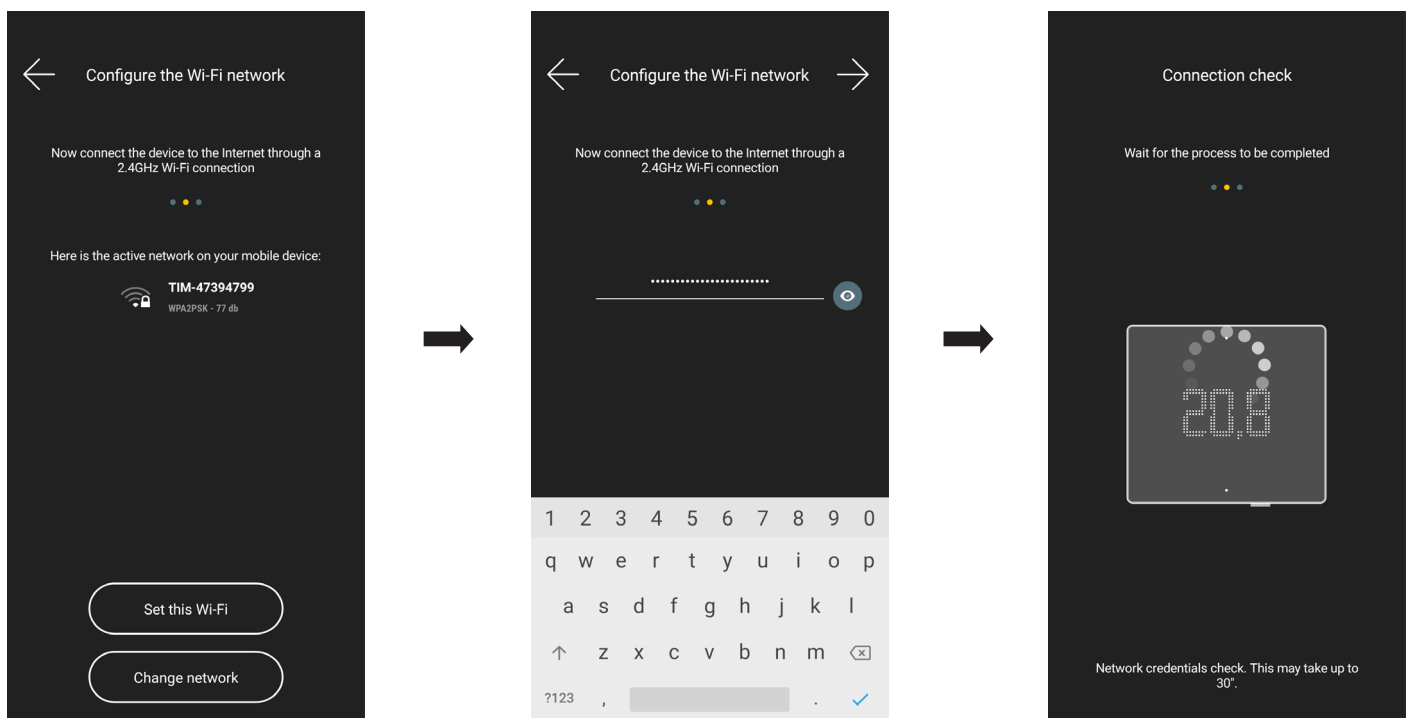
## Wi-fi thermostat configuration

As soon as the App detects the thermostat, select "Proceed" again.



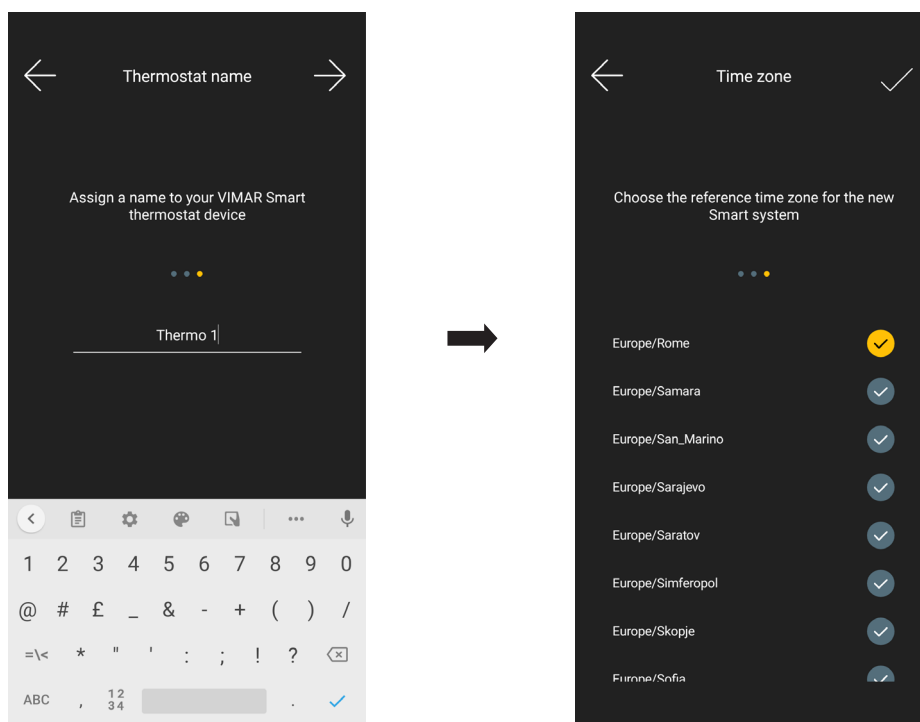
- Now configure the connection to the Internet via Wi-Fi.

The App will display the Wi-Fi network to which the tablet/smartphone is connected, and you will be able to associate the thermostat with this same network. If the tablet/smartphone is not connected to the Wi-Fi network but to the mobile 4G network, the App will prompt the Wi-Fi networks detected by the device so you can select your chosen one.

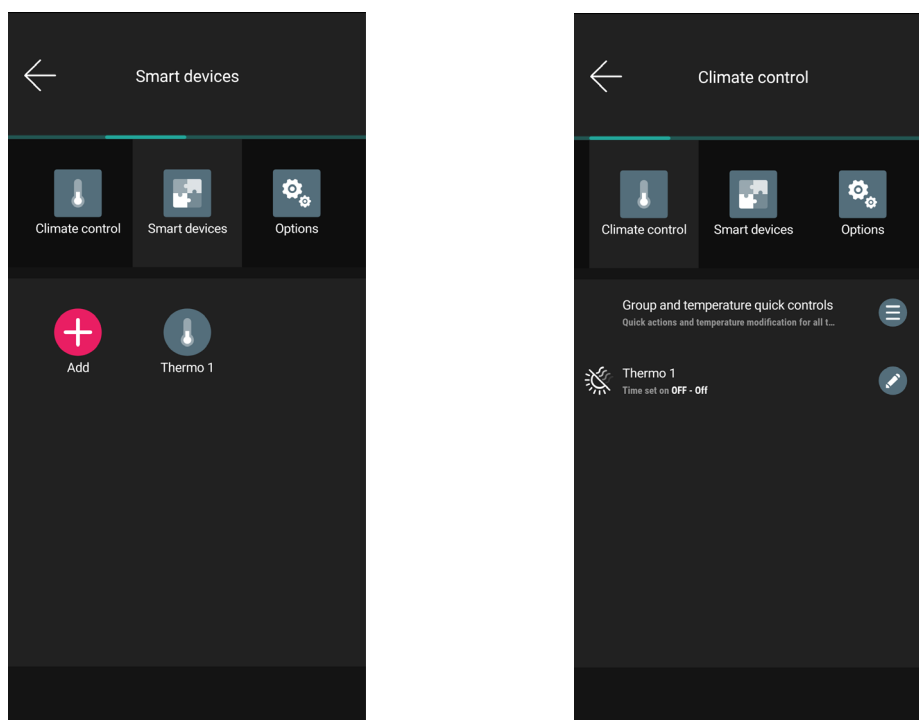


## Wi-fi thermostat configuration

- Assign a name to the thermostat (confirm with ) and the reference time zone.




- The thermostat will now be visible in both the smart devices section and in the Climate control section.

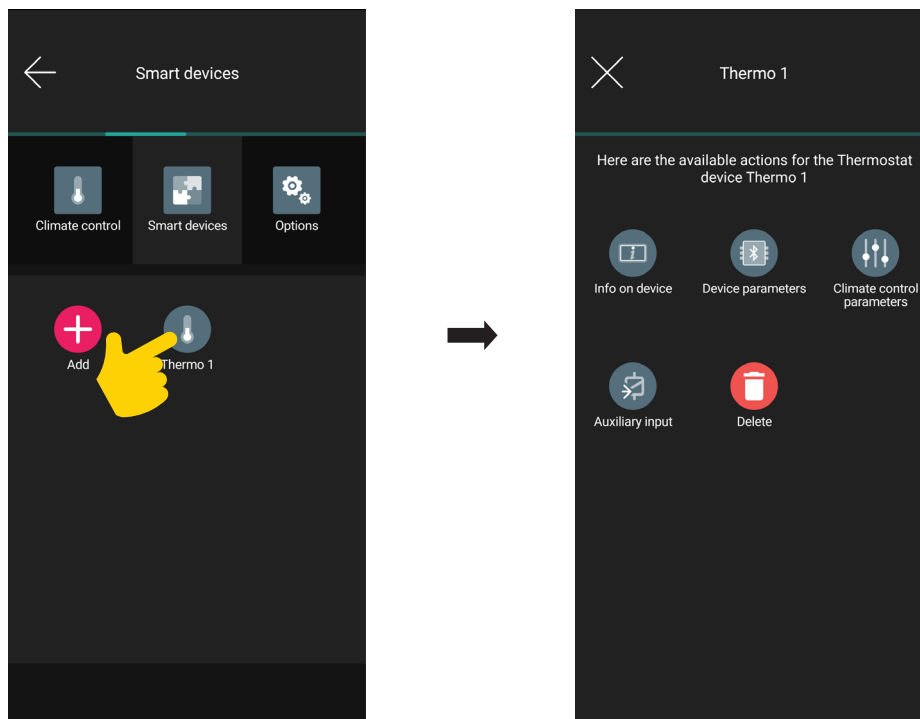




## Wi-fi thermostat configuration

### 2.1 Thermostat parameter settings

From the "Smart devices" screen, select the thermostat you just configured .




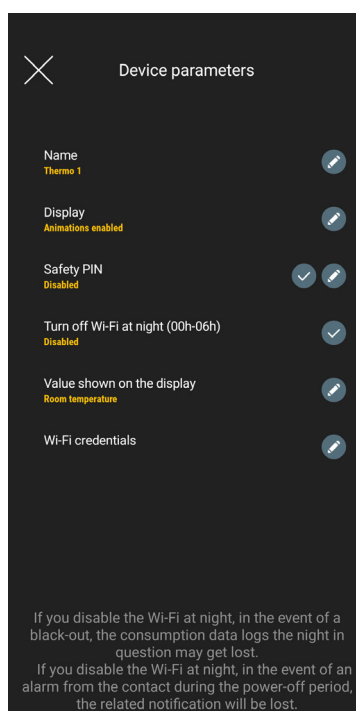
#### 2.1.1 Device information

Displays information regarding the active connection and the firmware version.

#### 2.1.2 Device parameters


Designed to set/edit the name of the thermostat, the display brightness and what is displayed, the PIN, the Wi-Fi credentials, etc.

The active parameters will then be marked with .




## Wi-fi thermostat configuration

### Display

Use  to set the brightness on standby and any animations.

### Safety PIN

Use  to set a password that inhibits the use of the thermostat by undesired users.


Once you have entered it, confirm with .

### Turn off Wi-Fi at night

Select  to activate (or deactivate) Wi-Fi connection at night (from 00.00 to 06.00).

In the event that Wi-Fi is turned off at night, press any button on the thermostat to restore the connection.

### Value shown on the display

Use  to set which temperature (Environment, Set point, etc.) to display during normal operation.

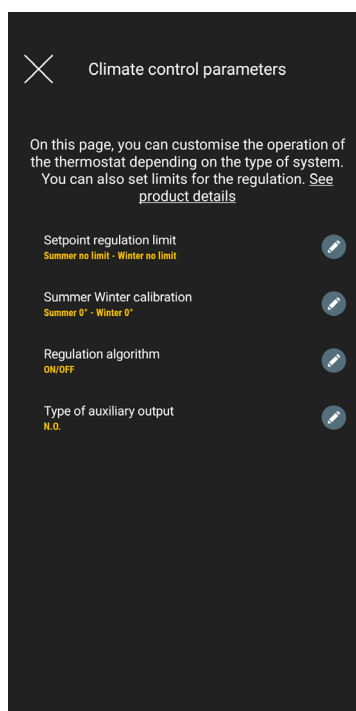
Use  and  to select the temperature to display and confirm with .

### Wi-Fi credentials

Used to set/reset the Wi-Fi network. The list of any available networks compatible with the device will also be displayed.

### 2.1.3 Climate control parameters

Used to set/edit the temperature control parameters connected to the thermostat operation (Set point adjustment limit, Summer Winter Calibration, Regulation Algorithm, Relay contact type).



### Set point adjustment limit

Use  to set the tolerance on which the thermostat will allow the temperature in Summer and Winter to be increased or decreased.

Use  and  to set the desired value and confirm with .

### Summer Winter Calibration


Use  to calibrate the temperature (Summer and Winter) detected by the thermostat in order to customise it or make it similar to another reference thermostat.

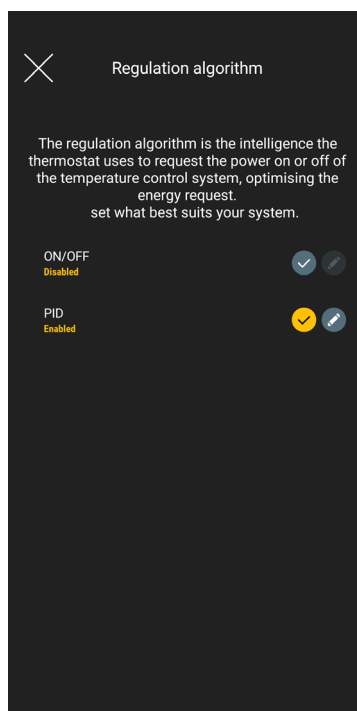
Use  and  to set the desired value and confirm with .




## Wi-fi thermostat configuration

### Regulation algorithm

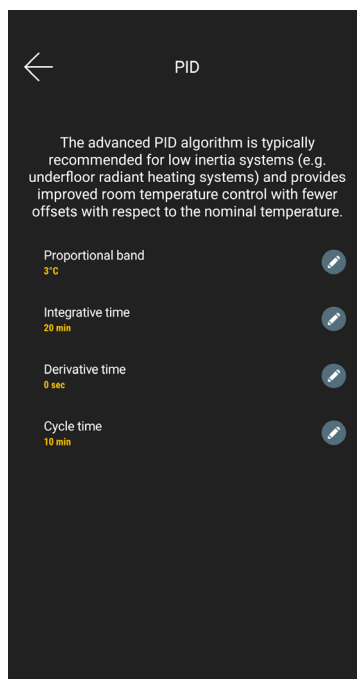
Use  to set the calculation methods used to perform temperature control.





The active parameters will then be marked with .



• ON/OFF: Use  and  to set the hysteresis value and confirm with .

• PID: If you select this mode, the ON/OFF mode will be disabled. The PID algorithm envisages the setting of: Proportional band, Integrative time, Derivative time and Cyclic time.

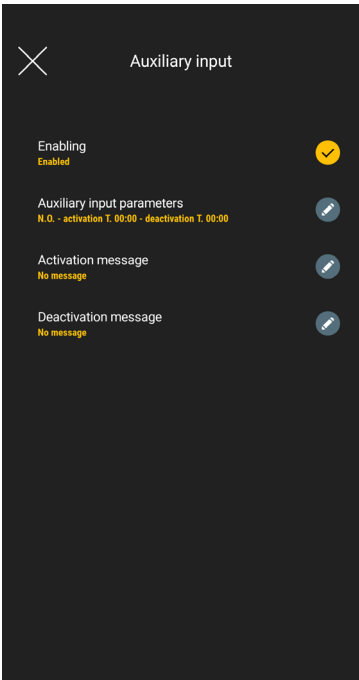


Use  as well as  and  to set the desired values and confirm with .


## Wi-fi thermostat configuration

### 2.1.4 Auxiliary input


Used to set/edit the parameters relating to the thermostat auxiliary input, which can for instance be used to signal an alarm.






#### Enabling

Select  to activate the auxiliary input.

#### Auxiliary input parameters

Use  to set the type of relay contact and the enabling and cancellation times for the auxiliary input notification message.



Use  and  to make the settings and confirm with .


Caution: In the event of a power outage, if the minimum times set are less than 6 s, false alarm messages could be generated.

## Wi-fi thermostat configuration




### Activation message

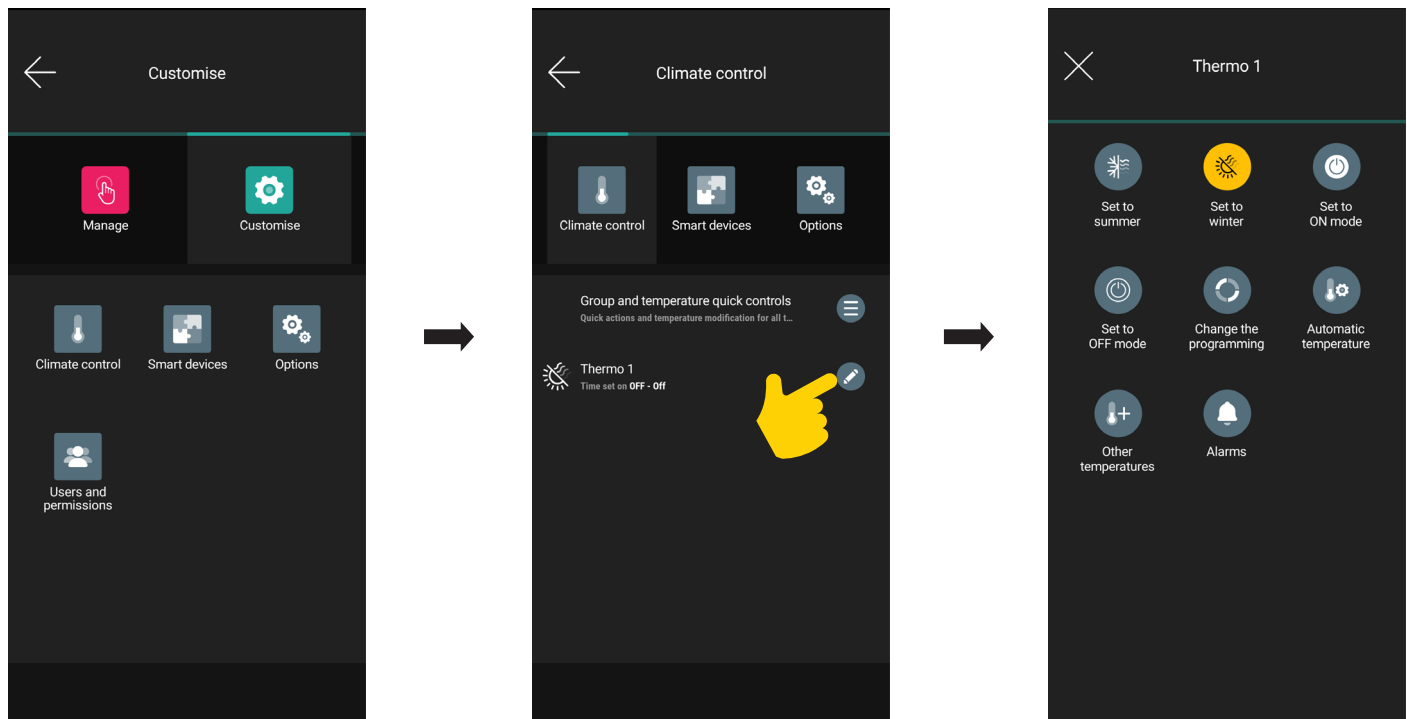
Use  to write the notification message upon activation of the auxiliary input.

### Deactivation message

Use  to write the notification message upon deactivation of the auxiliary input.

## 2.2 Thermostat operating mode settings

From the "Customise" screen (  ) → "Climate control" (  ) select  for the thermostat you just configured.



All the options are displayed to:

- set the thermostat operating mode (Set to Summer, Set to Winter, Set to ON mode, etc.);
- configure the time schedules (Modify programming, Automatic Temperatures, etc.);
- enable the alarms and set their thresholds (Alarms).

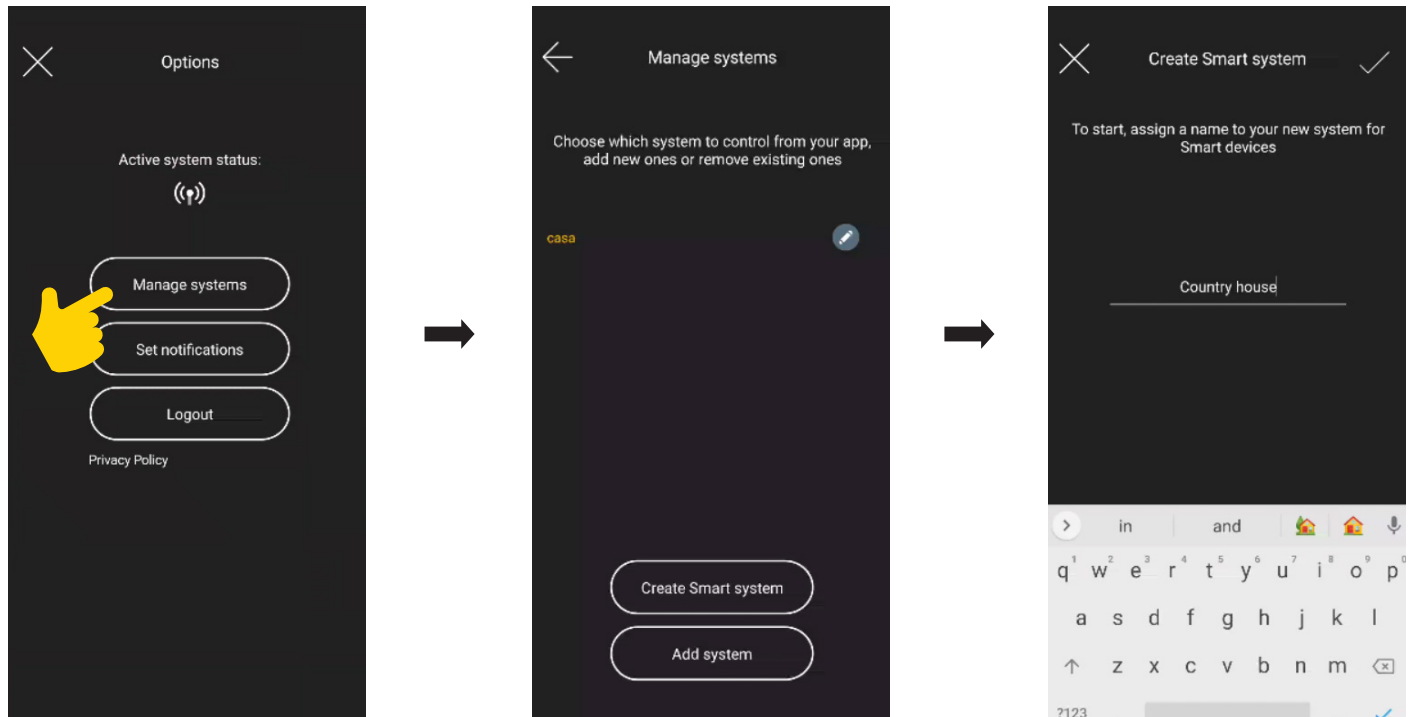
For details see chap. 4 "Climate control management".

## LTE thermostat configuration

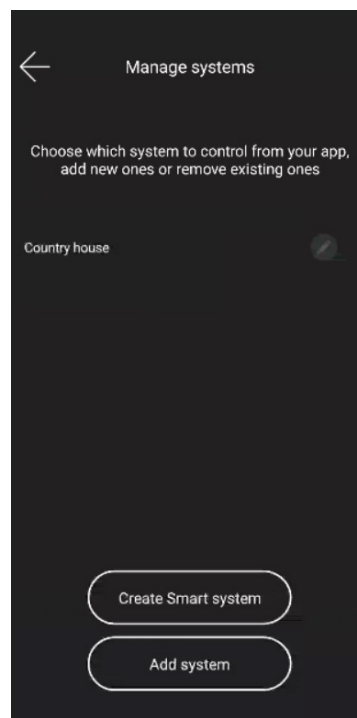
### 3. LTE thermostat configuration

The View App makes use of the LTE network/Internet connection to set all the thermostat functions (time schedules, operating modes, etc.).



- From the screen containing the list of systems, select "Create smart system" and give it a name (in practice, this is a system that will only contain smart devices).

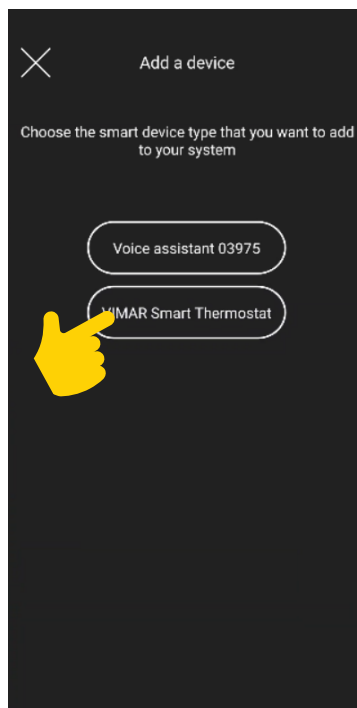


After the system dedicated to smart devices has been created, it will be displayed on the screen containing the list of systems (in this example "Country house").

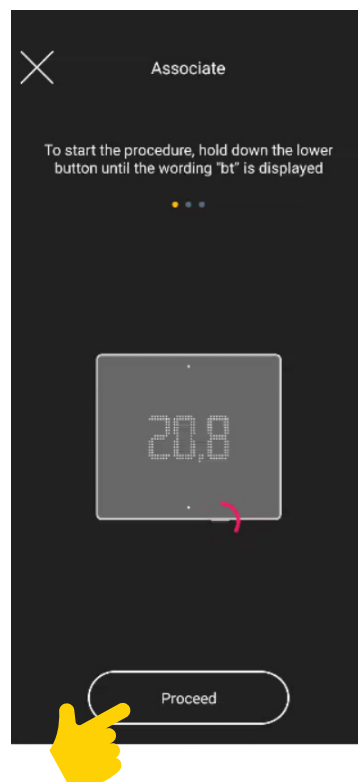
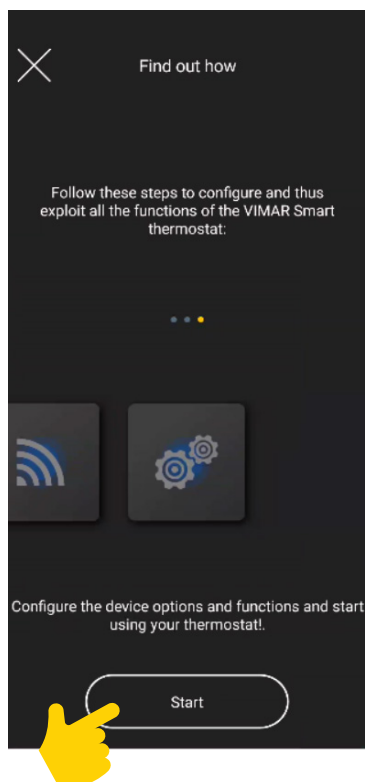


## LTE thermostat configuration

- Select the system you just created (in this example "Country house") → "Customise" (  ) → "Smart devices" → "Add" (  ).
- Select "Smart thermostat"



- Select "Start" and then "Proceed"; with the Bluetooth connection active, approach the thermostat and press the configuration button for 5 s

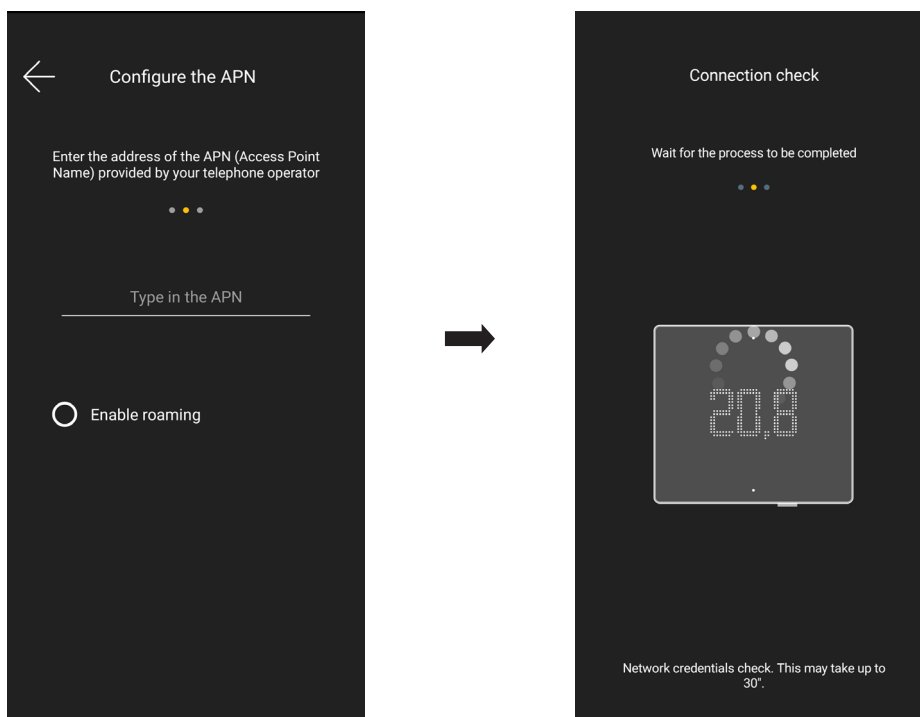


## LTE thermostat configuration

As soon as the App detects the thermostat, select "Proceed" again.



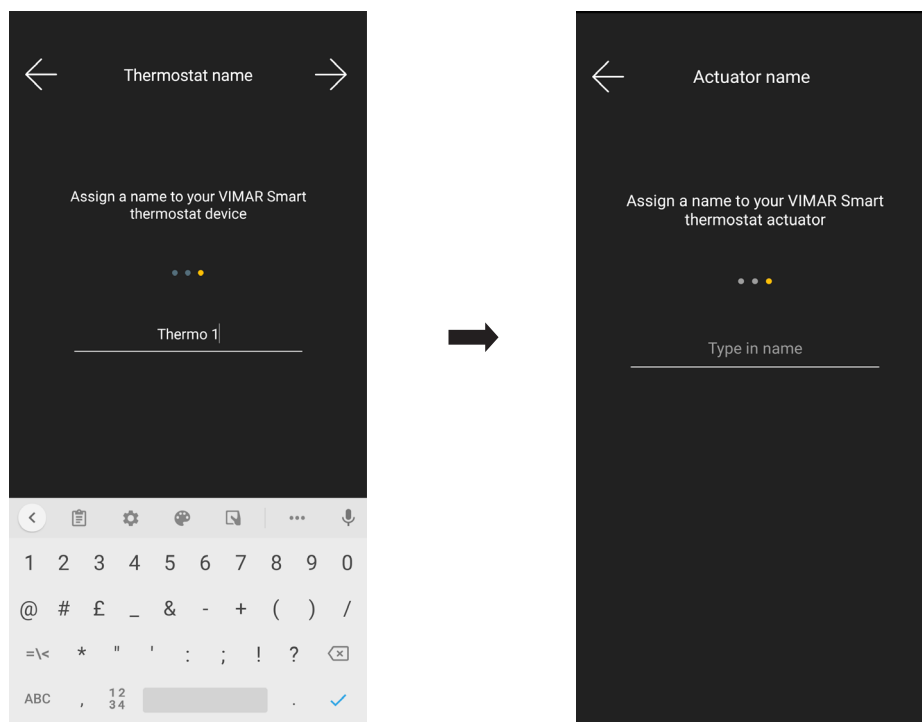
- Configure the connection to the Internet by entering the APN of the phone operator relating to the SIM used.





## LTE thermostat configuration

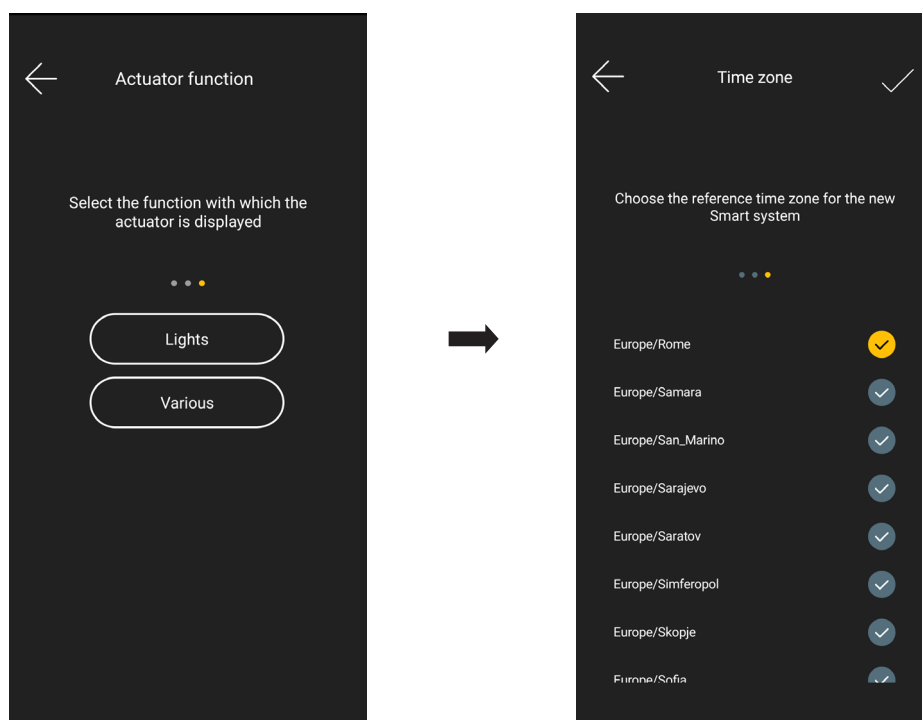
- Assign a name to the thermostat and to the auxiliary output (confirm with )



The first screenshot shows the 'Thermostat name' screen. It has a title bar with a back arrow and a forward arrow. The main text says 'Assign a name to your VIMAR Smart thermostat device'. Below this is a text input field with the text 'Thermo 1'. A keyboard is visible at the bottom of the screen.

The second screenshot shows the 'Actuator name' screen. It has a title bar with a back arrow. The main text says 'Assign a name to your VIMAR Smart thermostat actuator'. Below this is a text input field with the text 'Type in name'.

- Set the operation of the auxiliary output and the reference time zone of the thermostat.

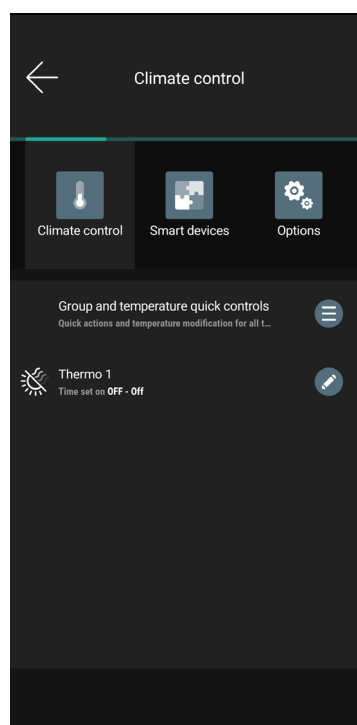
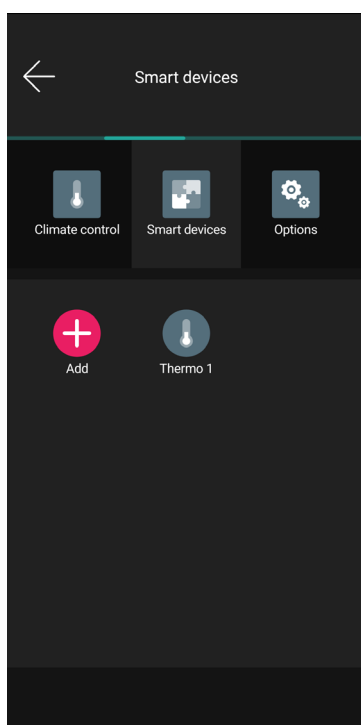


The first screenshot shows the 'Actuator function' screen. It has a title bar with a back arrow. The main text says 'Select the function with which the actuator is displayed'. Below this are two buttons: 'Lights' and 'Various'.


The second screenshot shows the 'Time zone' screen. It has a title bar with a back arrow and a checkmark. The main text says 'Choose the reference time zone for the new Smart system'. Below this is a list of time zones: Europe/Rome, Europe/Samara, Europe/San\_Marino, Europe/Sarajevo, Europe/Saratov, Europe/Simferopol, Europe/Skopje, and Europe/Sofia. Each time zone has a checkmark next to it, indicating it is selected.

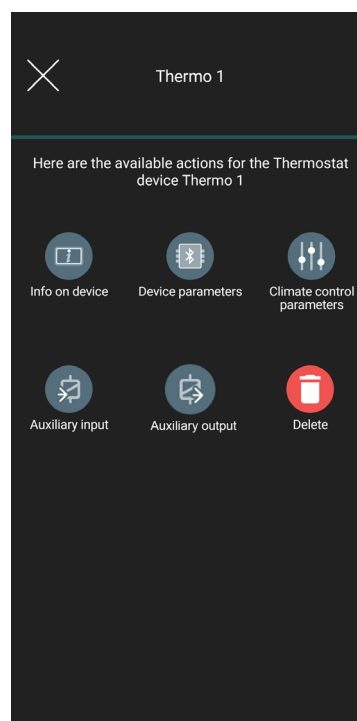
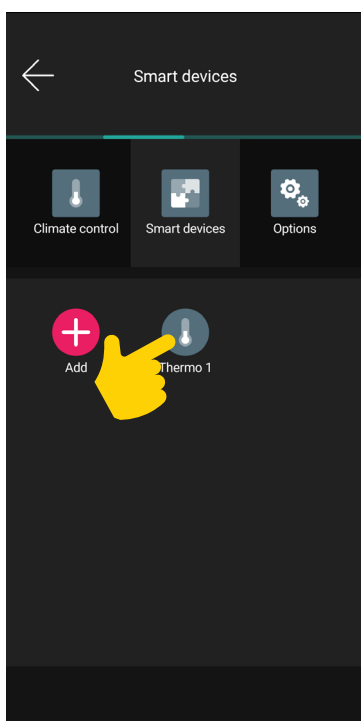
## LTE thermostat configuration

- The thermostat will now be visible in both the smart devices section and in the Climate control section.



### 3.1 Thermostat parameter settings

From the "Smart devices" screen, select the thermostat you just configured .




#### 3.1.1 Device information

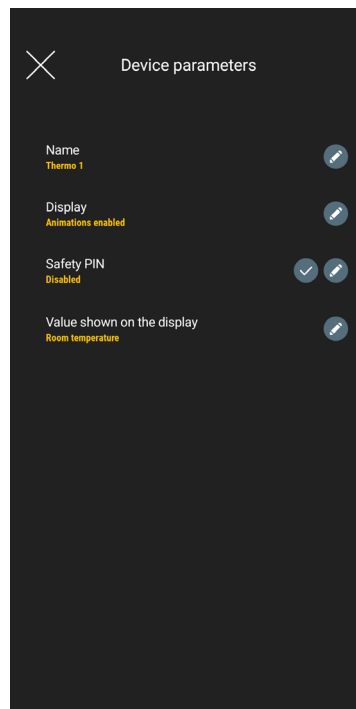
Displays information regarding the active connection and the firmware version.

## LTE thermostat configuration


### 3.1.2 Device parameters

Designed to set/edit the name of the thermostat, the display brightness and what is displayed, the PIN, etc.


The active parameters will then be marked with .




#### Display


Use  to set the brightness on standby and any animations.

#### Safety PIN

Use  to set a password that inhibits the use of the thermostat by undesired users.

Once you have entered it, confirm with .

#### Value shown on the display

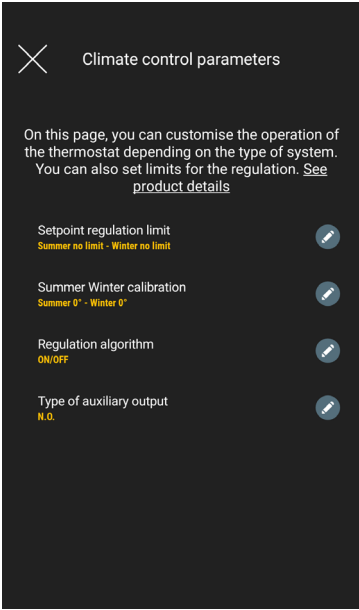
Use  to set which temperature (Environment, Set point, etc.) to display during normal operation.

Use  and  to select the temperature to display and confirm with .


## LTE thermostat configuration



### 3.1.3 Climate control parameters

Used to set/edit the temperature control parameters connected to the thermostat operation (Set point adjustment limit, Summer Winter Calibration, Regulation Algorithm, Relay contact type).



#### Set point adjustment limit

Use  to set the tolerance on which the thermostat will allow the temperature in Summer and Winter to be increased or decreased.

Use  and  to set the desired value and confirm with .


#### Summer Winter Calibration

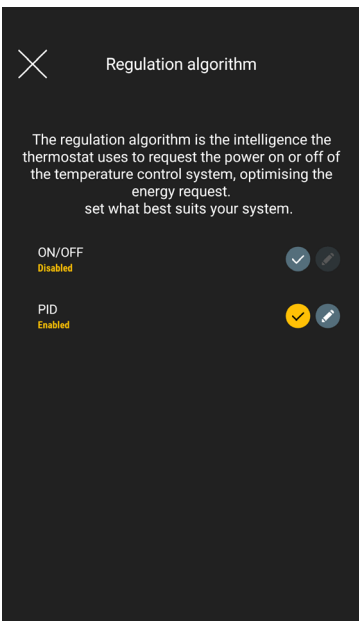
Use  to calibrate the temperature (Summer and Winter) detected by the thermostat in order to customise it or make it similar to another reference thermostat.

Use  and  to set the desired value and confirm with .

#### Regulation algorithm

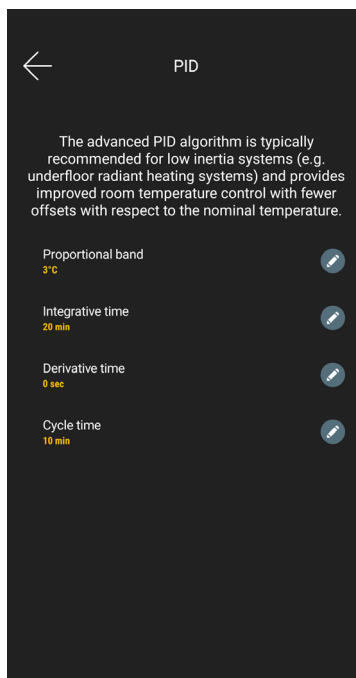
Use  to set the calculation methods used to perform temperature control.





The active parameters will then be marked with .



## LTE thermostat configuration

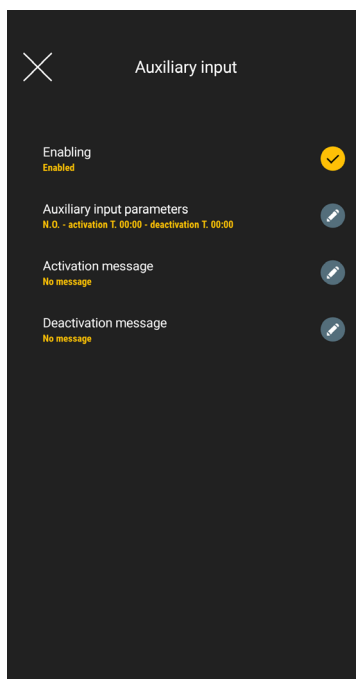
- ON/OFF: Use  and  to set the hysteresis value and confirm with .
- PID: If you select this mode, the ON/OFF mode will be disabled. The PID algorithm envisages the setting of: Proportional band, Integrative time, Derivative time and Cyclic time.



Use  as well as  and  to set the desired values and confirm with .

### 3.1.4 Auxiliary input

Used to set/edit the parameters of the thermostat auxiliary input, which can for instance be used to signal an alarm.




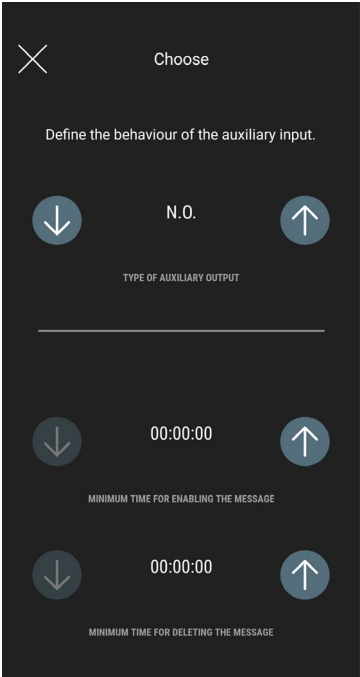
#### Enabling




Select  to activate the auxiliary input.

## LTE thermostat configuration

### Auxiliary input parameters

Use  to set the type of relay contact and the enabling and cancellation times for the auxiliary input notification message.




Use  and  to make the settings and confirm with .

Caution: In the event of a power outage, if the minimum times set are less than 6 s, false alarm messages could be generated.

### Activation message

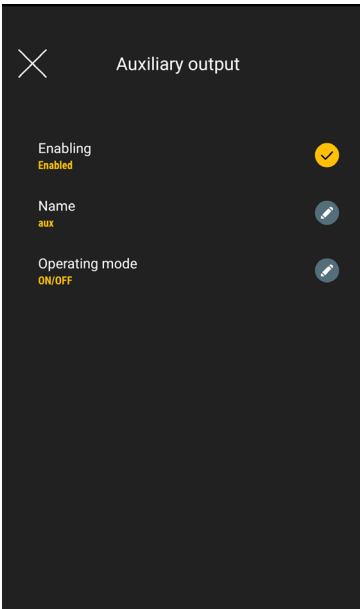
Use  to write the notification message upon activation of the auxiliary input.

### Deactivation message

Use  to write the notification message upon deactivation of the auxiliary input.


### 3.1.5 Auxiliary output

Used to set/edit the parameters of the auxiliary output of the thermostat which, in combination with a relay, can be used to switch a boiler or a light on/off.




## LTE thermostat configuration


### Enabling

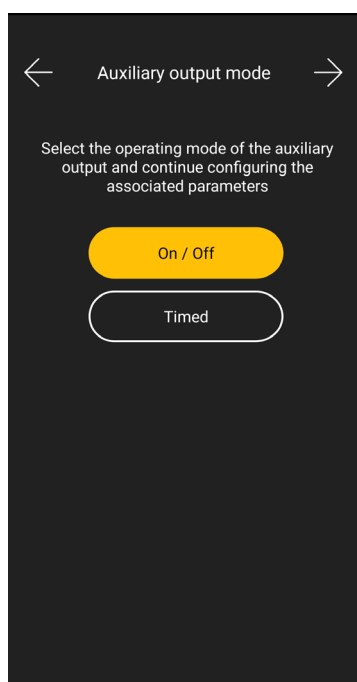
Select  to activate the auxiliary output.




### Name

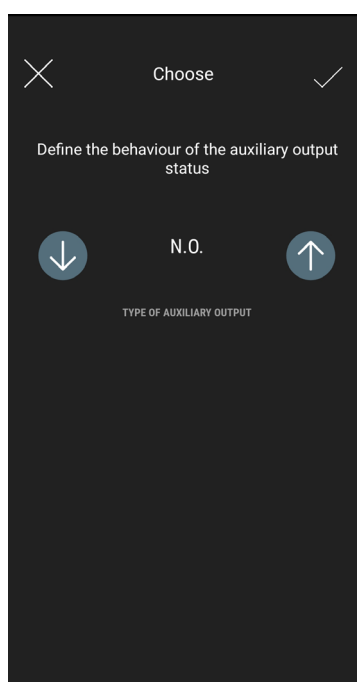
Use  to edit the name assigned to the auxiliary output.




### Operating mode

Use  to assign the ON/OFF or timed operation to the auxiliary output.






- ON/OFF: Use  and  to set the type of relay (N.O. or N.C.) and confirm with .

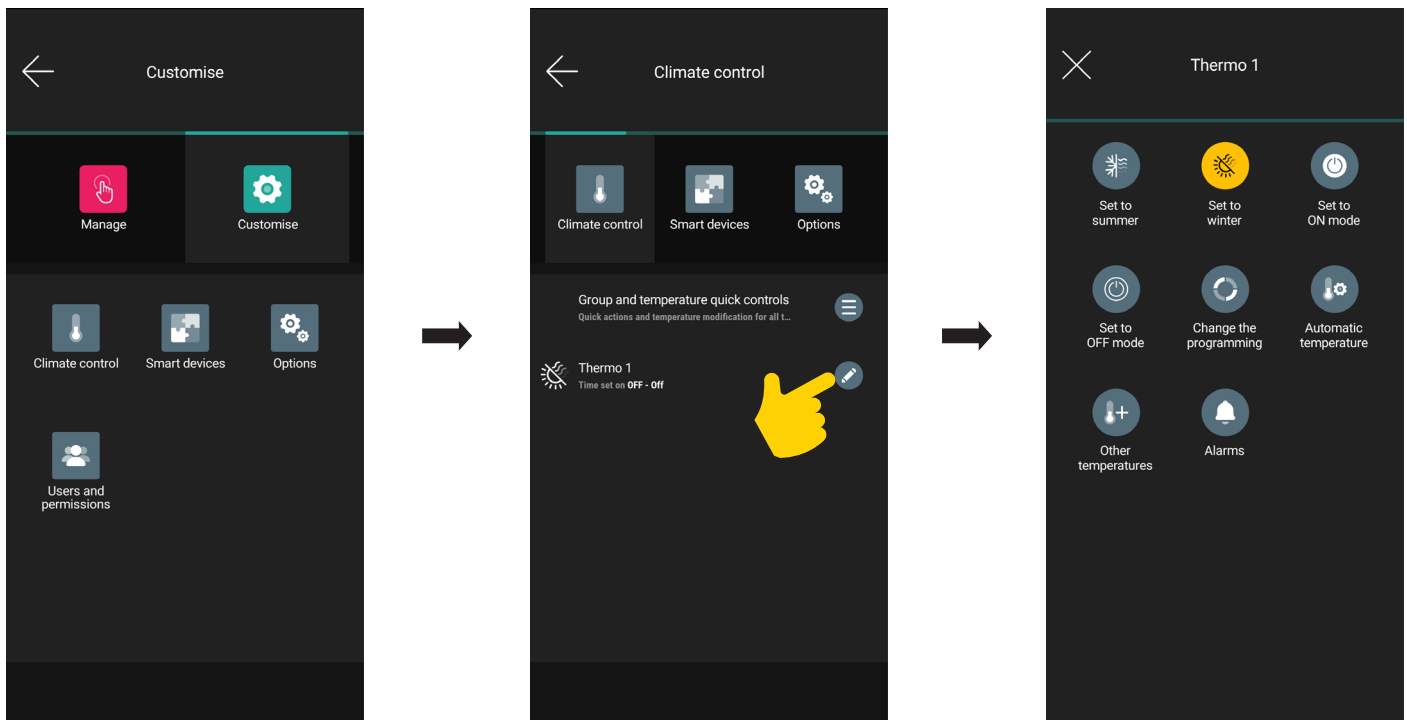


- Timed: Use  and  to set the type of relay (N.O. or N.C.) and the time for which the latter must remain active; confirm with .

## LTE thermostat configuration

### 3.2 Thermostat operating mode settings

From the "Customise" screen (  ) → "Climate control" (  ) select  for the thermostat you just configured.



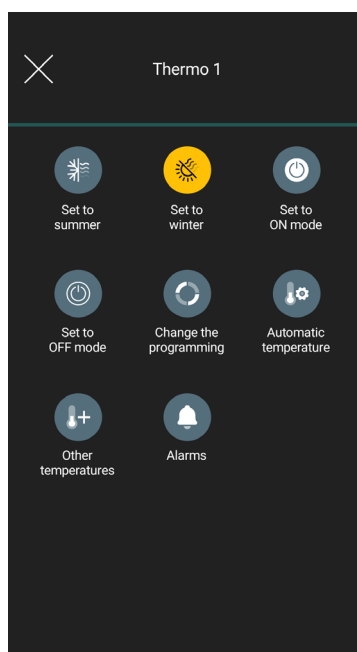
All the options are displayed to:

- set the thermostat operating mode (Set to Summer, Set to Winter, Set to ON mode, etc.);
- configure the time schedules (Modify programming, Automatic Temperatures, etc.);
- enable the alarms and set their thresholds (Alarms).

For details see chap. 4 "Climate control management".



#### 4. Climate control management



##### Set to summer and Set to winter

Used to set the season, in other words air conditioning (Summer) and heating (Winter) respectively.

##### Set the ON mode

Used to set the operating mode of the thermostat when it is turned on (choosing between "Automatic", "Manual" and "Reduction").

##### Set the OFF mode

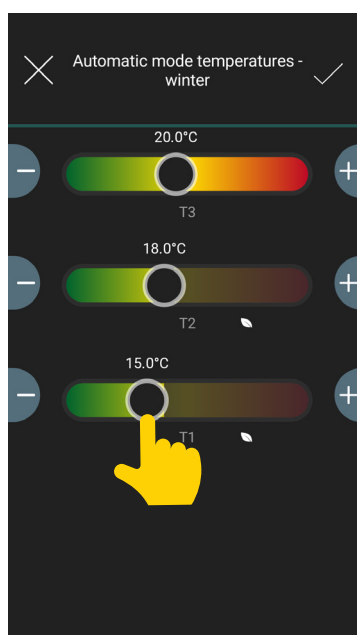
Used to set the operating mode of the thermostat when it is turned off (choosing between "Protection", "Absence" and "Off").


##### Modify programming

Used to create/edit the time schedules (whether air conditioning or heating) and assign them/replicate them to days of the week.

##### Automatic temperatures

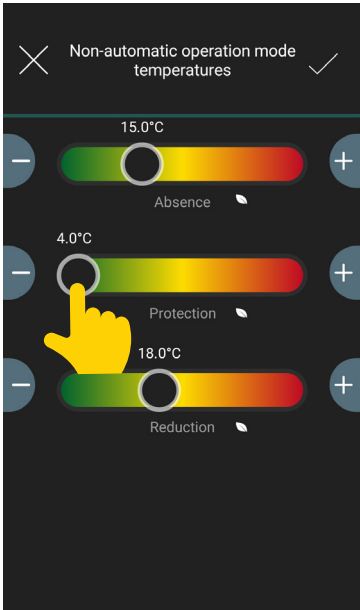
Used to set, for the "Summer" and "Winter" seasons, the three temperature levels T1, T2 and T3 which are subsequently used in the time schedules.




Once the desired values have been set, confirm with .

Other Temperatures

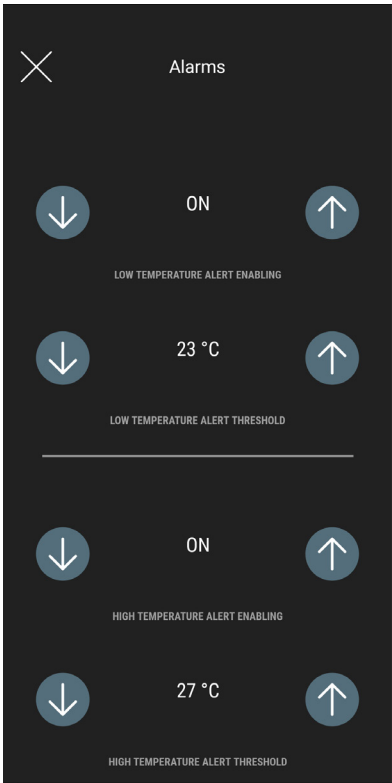
Designed to set, for the "Summer" and "Winter" seasons, the temperatures relating to the "Reduction", "Absence" and "Protection" modes.



Once the desired values have been set, confirm with .

Alarms

Use  and  to enable the temperature too low and/or too high notifications and set the related threshold values.



## Climate control management

### 4.1 Consumption

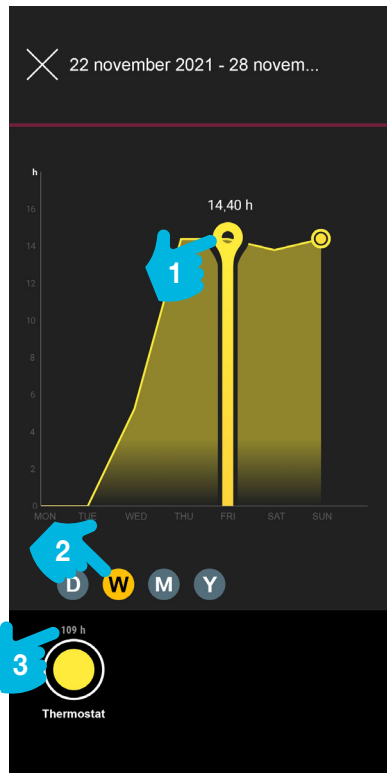
You can display the time in hours for which the heating/air conditioning system stayed on. This will allow you to estimate the consumption in terms of energy per Day (D), Week (W), Month (M) and Year (Y).

From the "Manage" menu (  ) → "Energy" (  ) select the desired thermostat to display the respective graph.

1. Click on the graph for details within the reference period.


2. Reference period selection (Day, Week, Month, Year).

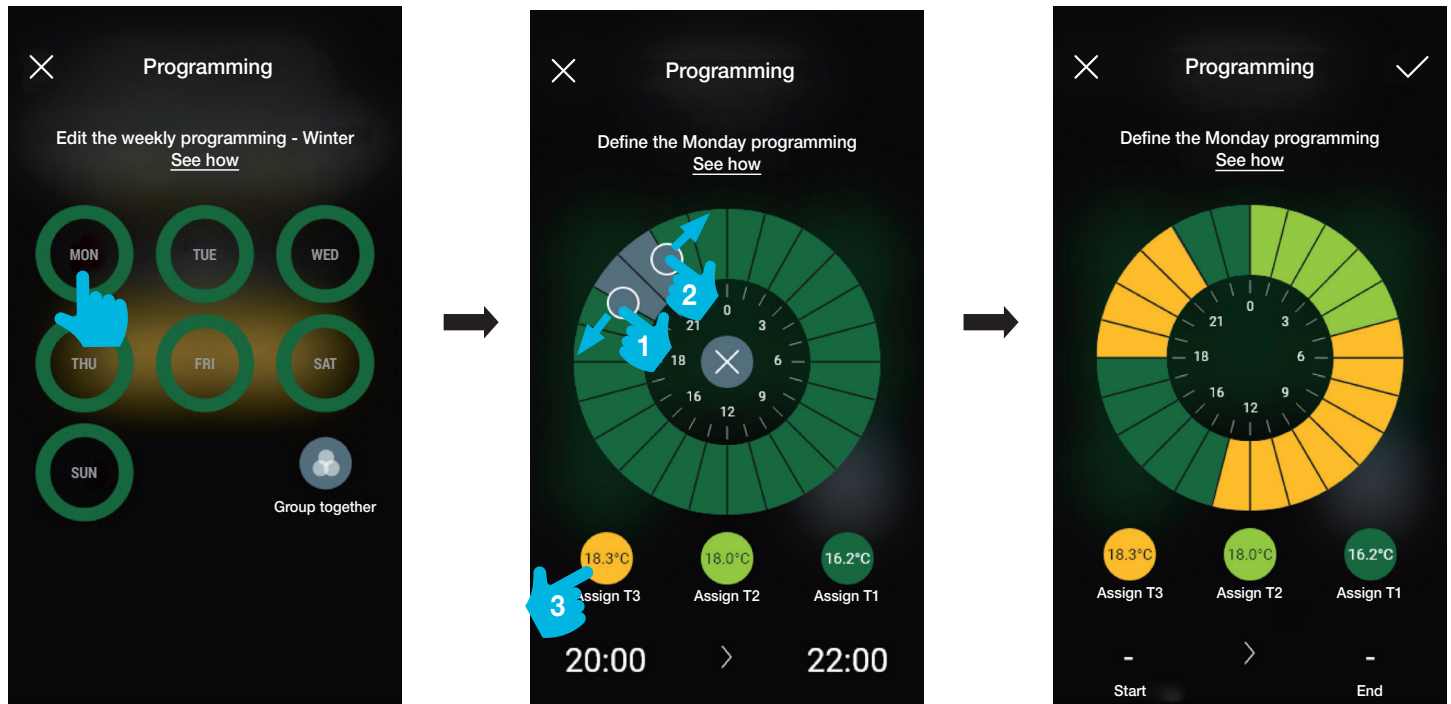
3. Energy demand meter (cumulative value of the thermostat which starts when it is configured).



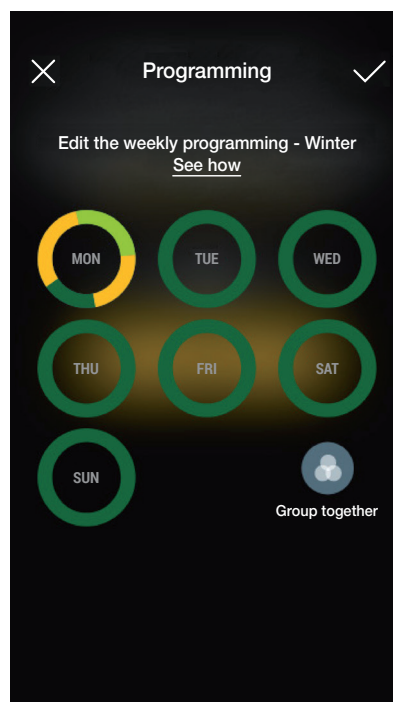
## Climate control management

### 4.2 Programming example

- Select "Modify programming" and choose whether "Summer" or "Winter".
- Select the day; the programming ring - corresponding to 24 hours - is displayed with the related time bands. By default T1 is assigned to all hours.
- Touch and drag until you highlight the area corresponding to the time bands to be modified; then select the temperature to assign (T2 or T3).
- Confirm with .




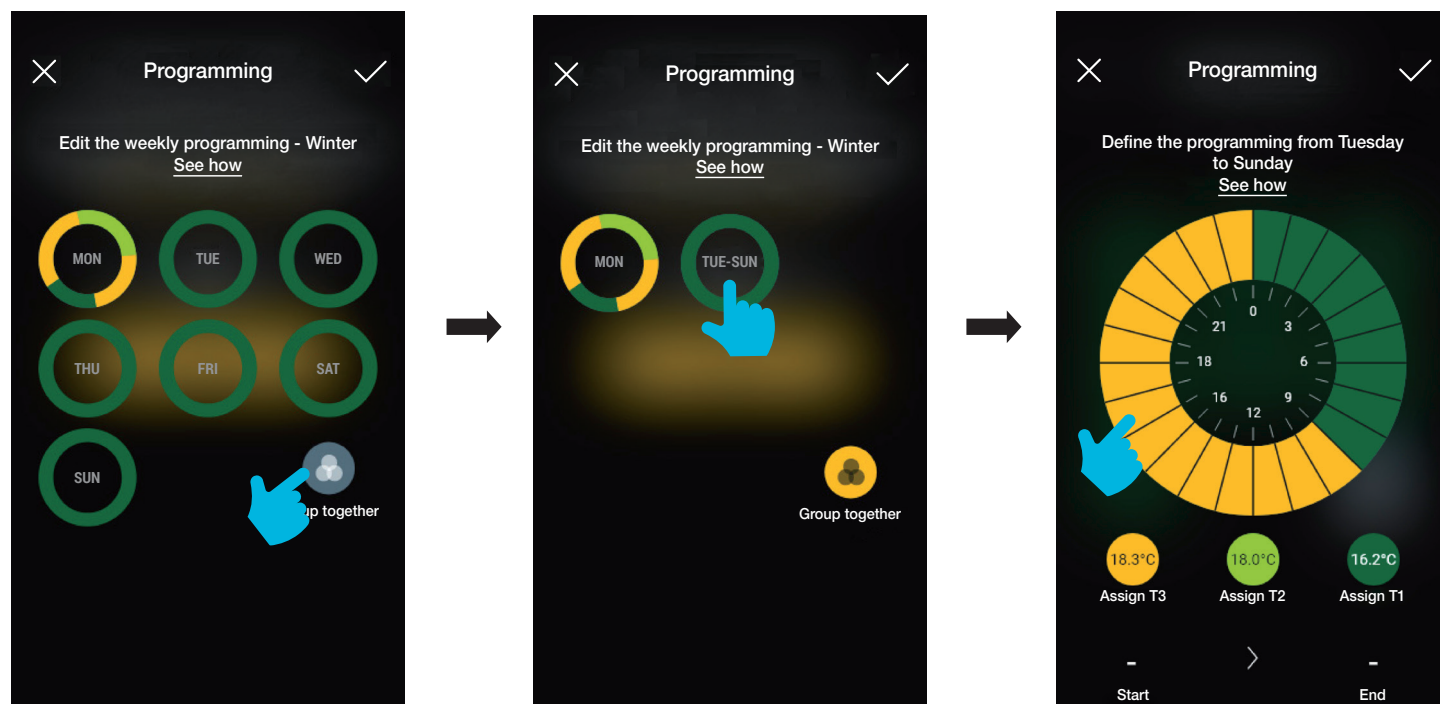
- The programming just completed will be displayed on the main "Modify programming" screen.




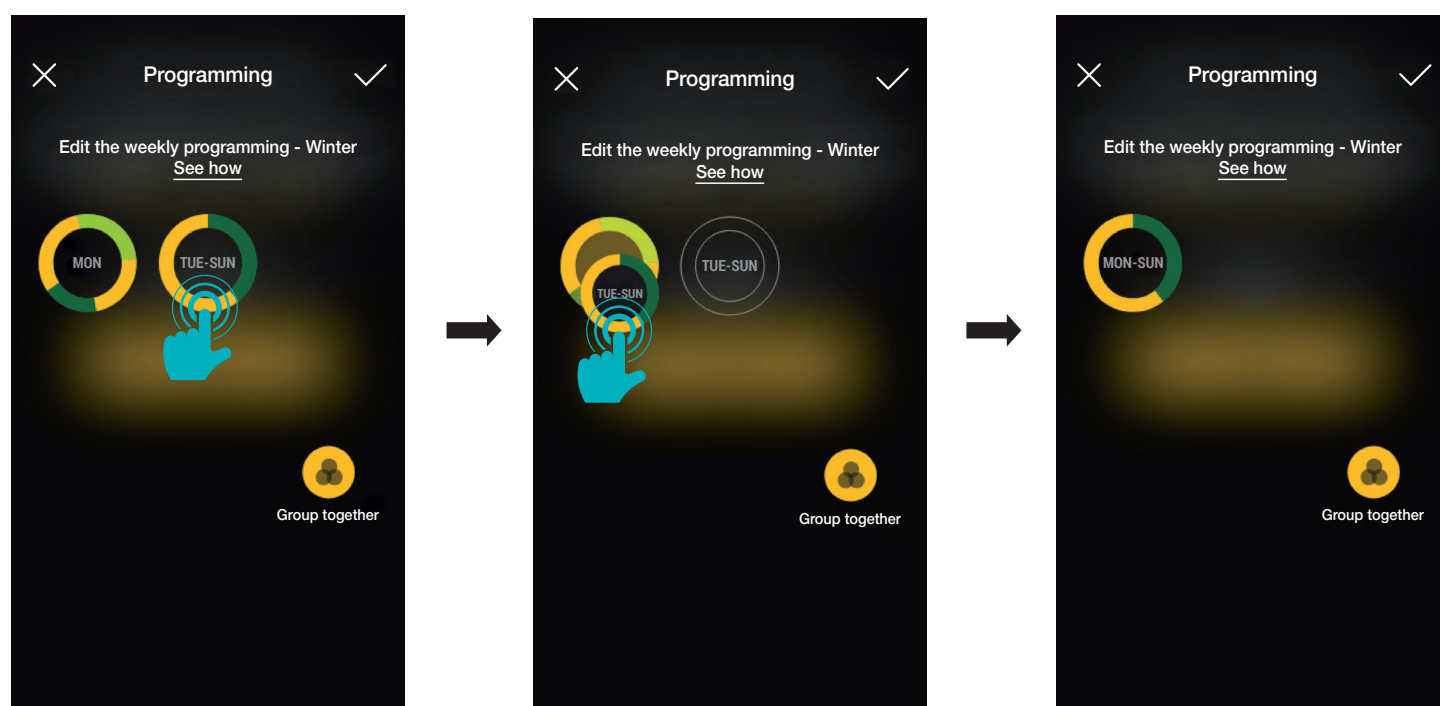
- Apply the same procedure for all the other days of the week.

## Climate control management

- Using "Group"  the days with a similar programming are grouped together, the settings made on the group will then be assigned to each of the days making it up.






- You can also copy the programming for one group to another; hold down the group to copy and drag it on top of the one on which you want to paste it until it flashes yellow. Confirm with with .

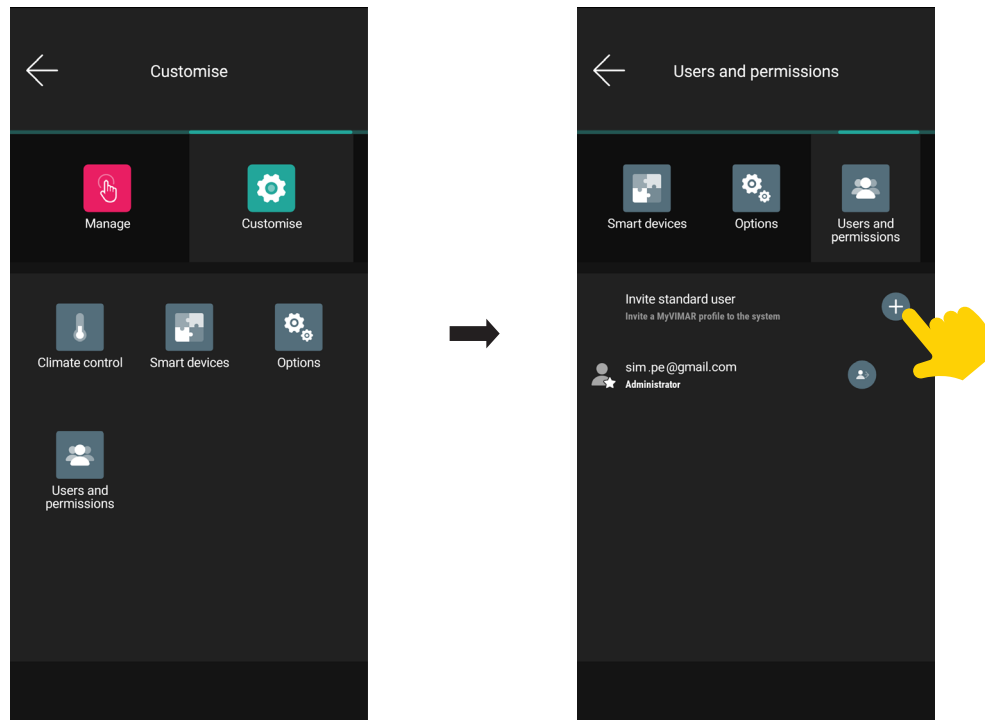


## User definition

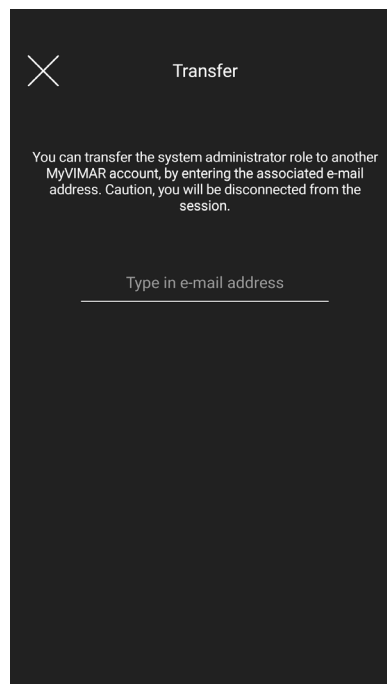
### 5. User definition

The Administrator pairs the Standard users who can operate thermostat and assigns them functions and environments with which they can interact. Every Standard user needs to have downloaded the View App onto their mobile device and created their own profile on MyVIMAR.

- The Administrator, from the "Customise" screen (  ), selects "Users and privileges" (  ) and for "Invite standard user" selects (  ).



- Then enter the e-mail address of the standard user.



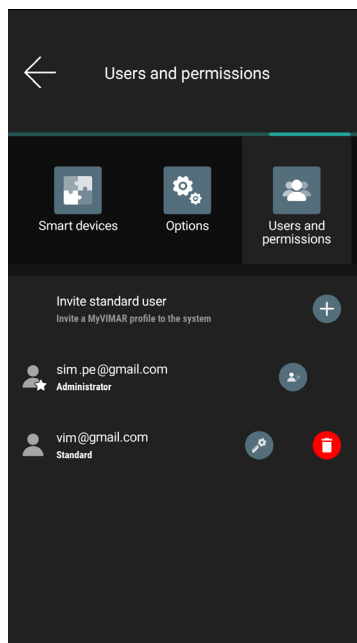
The procedure should then be repeated for all the Standard users to be paired.




## User definition

### 5.1 User management.

The Administrator has the right to assign, for every user created, the environments which can be displayed (and consequently the functions that can be used); this type of flexibility makes it possible to reserve certain controls concerning different users using the same system.


The Administrator, from the "Customise" screen (  ), selects "Users and privileges" (  ); the list of users created is displayed.

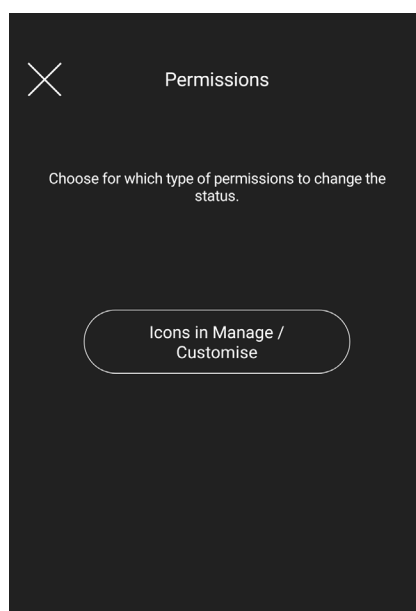


- Use  to access a self-guided menu that allows you to copy the privileges from one user to another.
- Use  to access the screen to define the environments in which every single user can operated.
- Use  to delete an individual user.

#### CAUTION:

- The Administrator can remove all paired users from the system.
- The Administrator can remove himself or herself from the system; the new Administrator will have to repeat the creation of standard users.
- Standard users can remove themselves from the system.

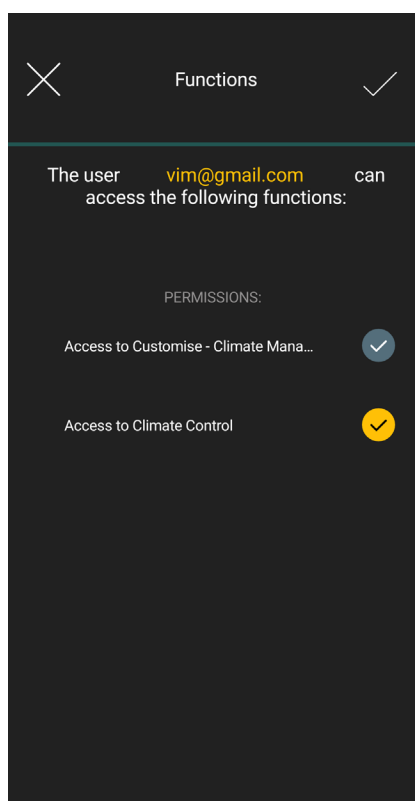
Select  for a user to access the screen allowing you to define/modify the functions and environments (s)he can manage.





## User definition

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Select "Icons in Manage/Customise" to display the list of all the functions implemented.



Use  to enable the functions to be associated with the user; at the end of the selection, confirm with .

N.B.: The "Manage - Lights" e "Manage - Miscellaneous" functions are displayed only for the LTE thermostats since they are combined with the auxiliary output.







View Climate control 02 2202



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