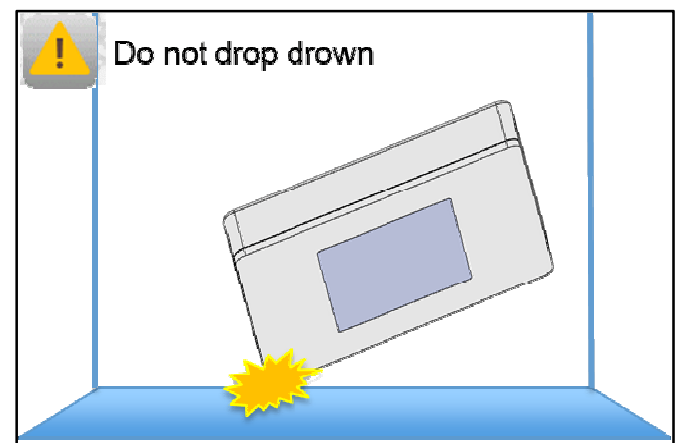
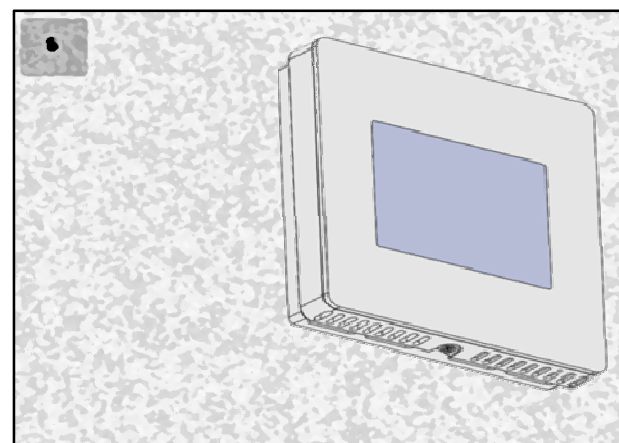
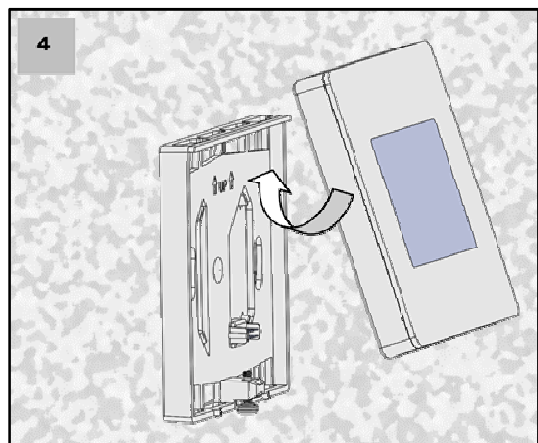
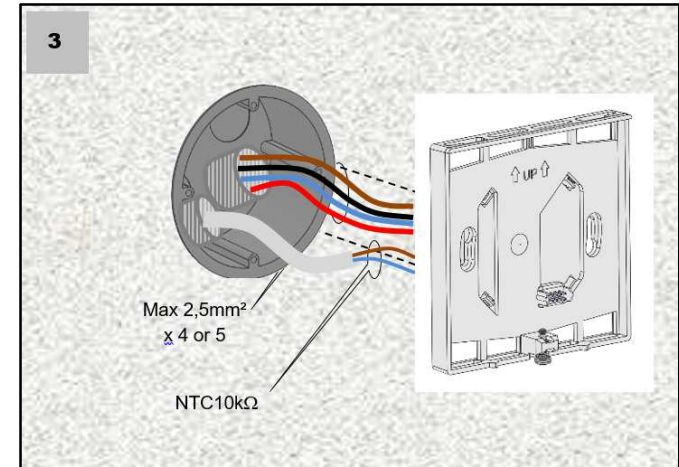
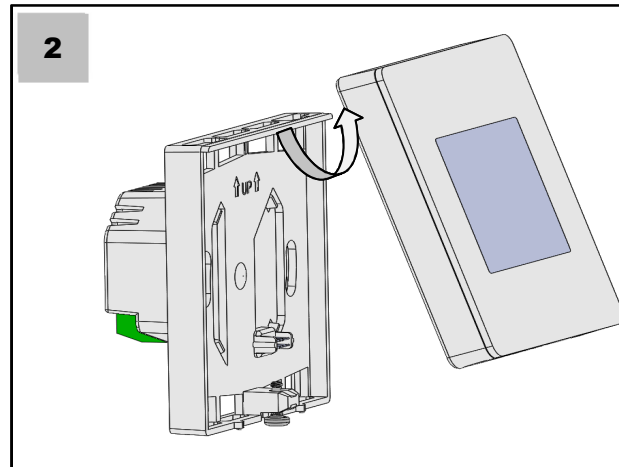
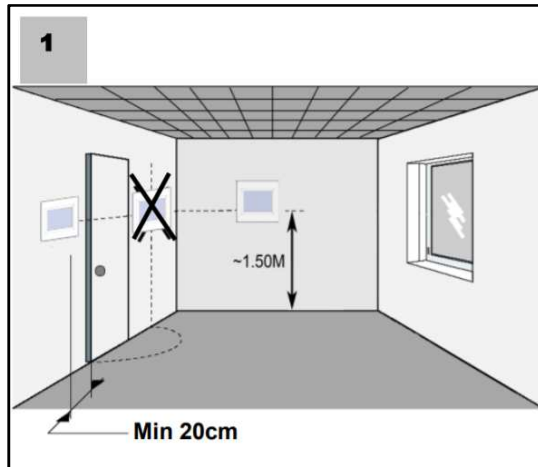


1. Product presentation
2. Wifi communication
3. How to connect your TFT Wifi ?
4. Main app features
5. Other app features

1 – Product presentation

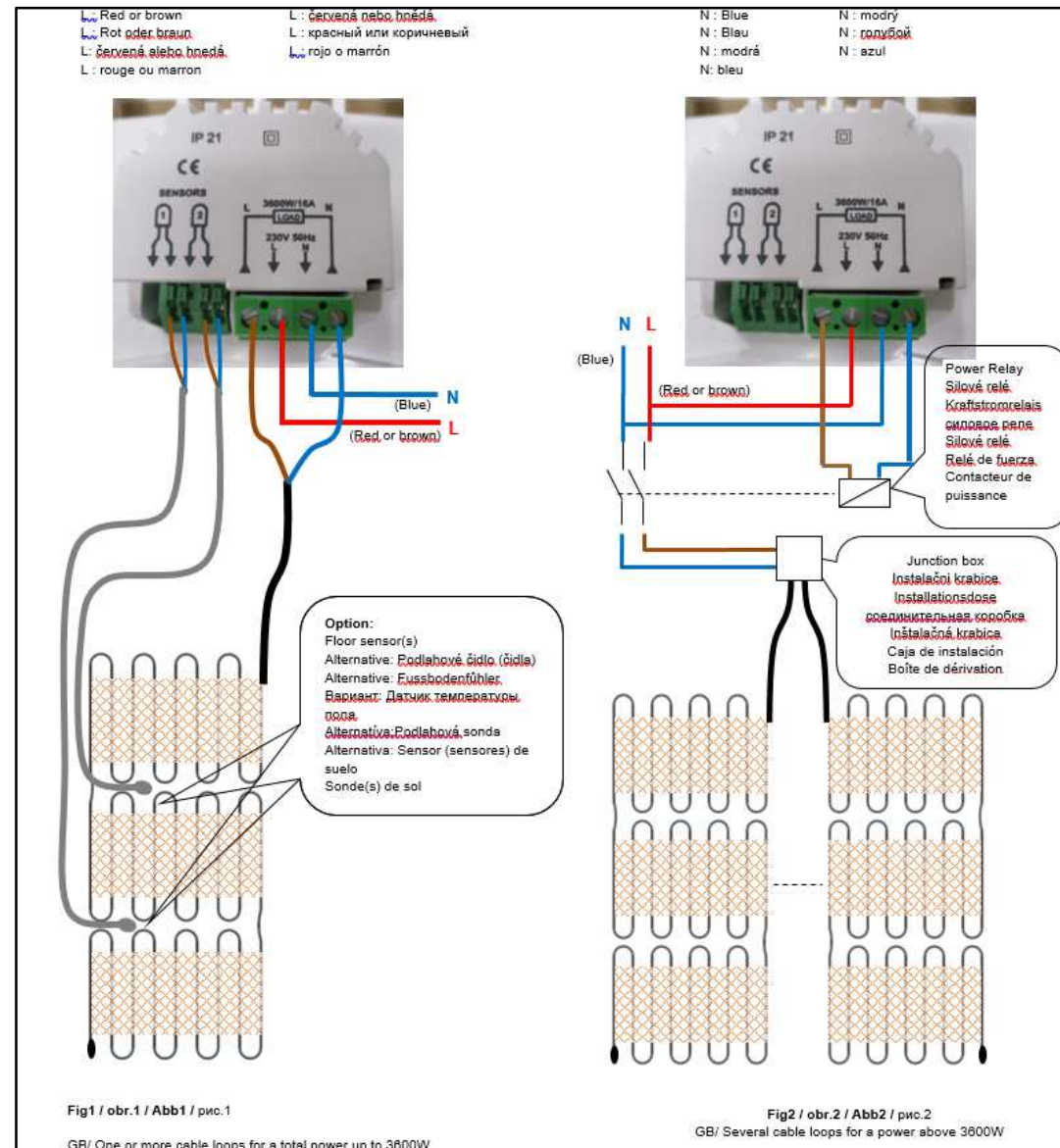
1 – Product presentation

- Installations



1 – Product presentation

- 2 external sensors. Can be used as :
 - Floor sensors
 - External sensors (allow better temperature measurement)
- External contact needed with a load above 3600W (contactor recommended if > 2000W)



1 – Product presentation

- 2 versions : black / white
(screen background reconfigurable)
- Based on actual TFT, same functions :
 - Programmable mode
 - Energy monitoring
 - Control load up to 16Amps
- Added functions :
 - Capacitive touchscreen*
 - Wi-Fi communication



1 – Product presentation

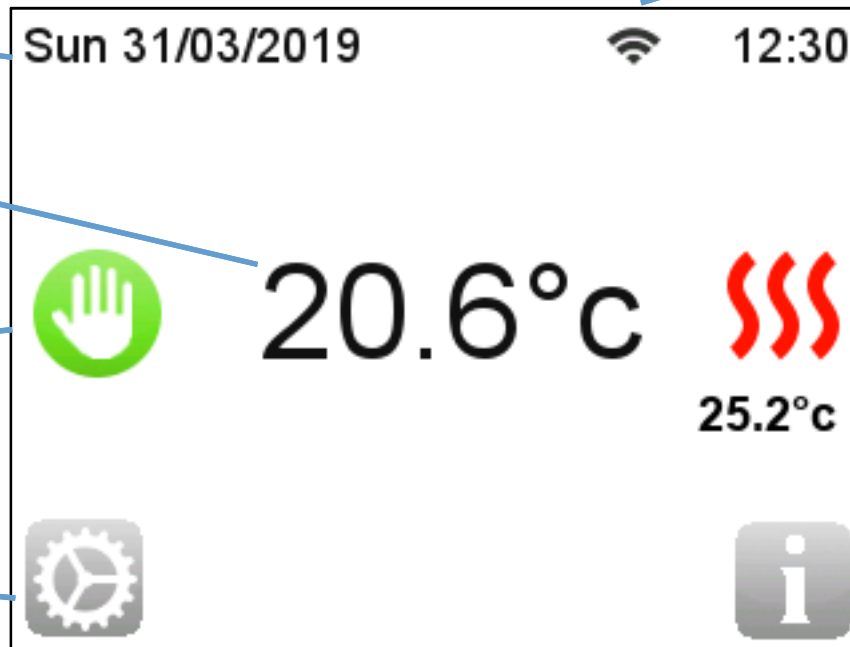
- Main screen (**editable part are in green**):

Date (always in format: *weekday dd/mm/yyyy*)

Ambient Temperature

Current mode

Menu



Wifi status

Time (configurable AM/PM also)

Heating status

Floor temperature (If external sensor is set)

Information (concerning current mode :

- current setpoint
- current program

➤ Error if errors occurred

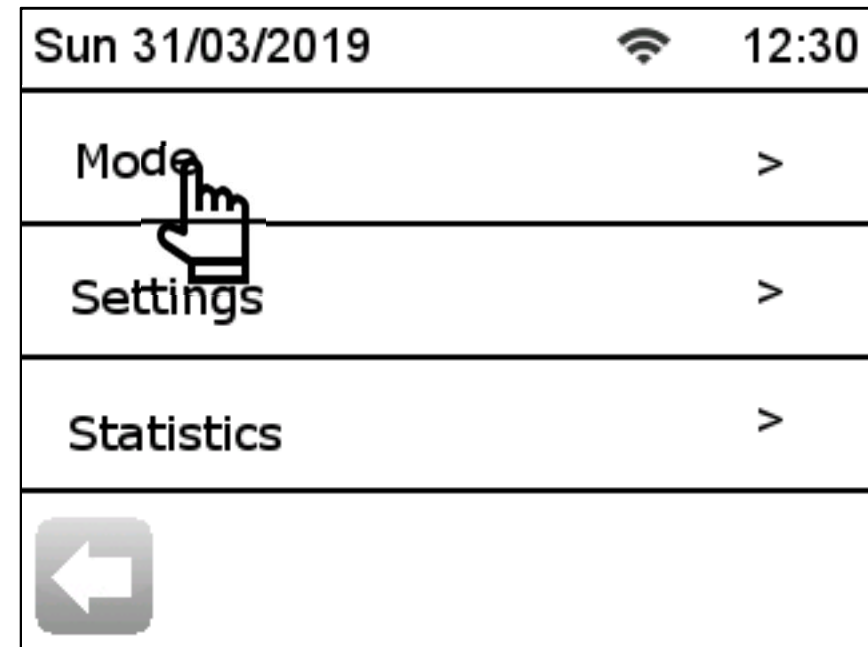
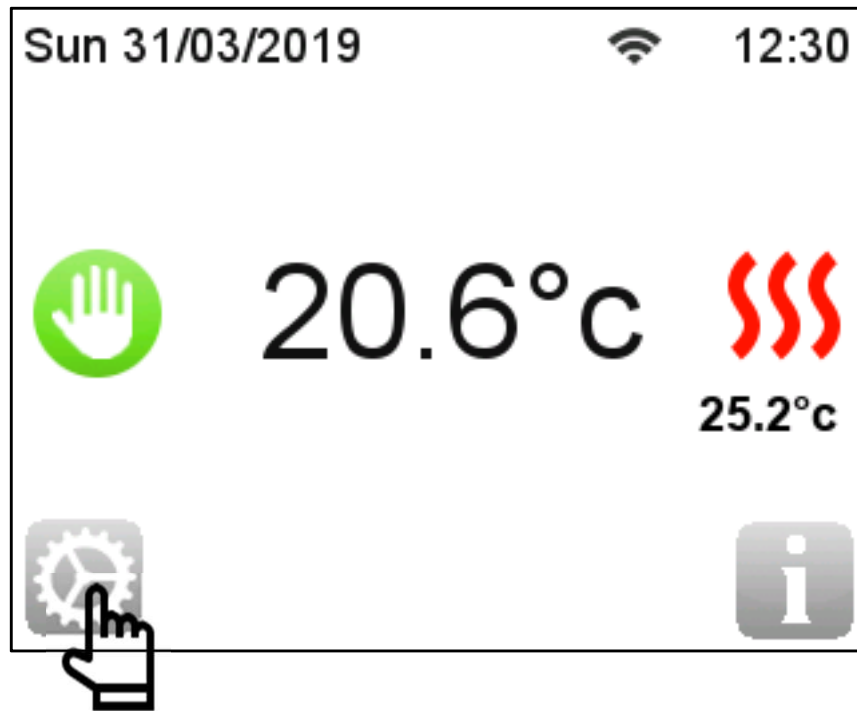
➤ Screen lock)




Some functions can displayed more informations on this screen, it will be present in another part.(open window, vacation, ...)

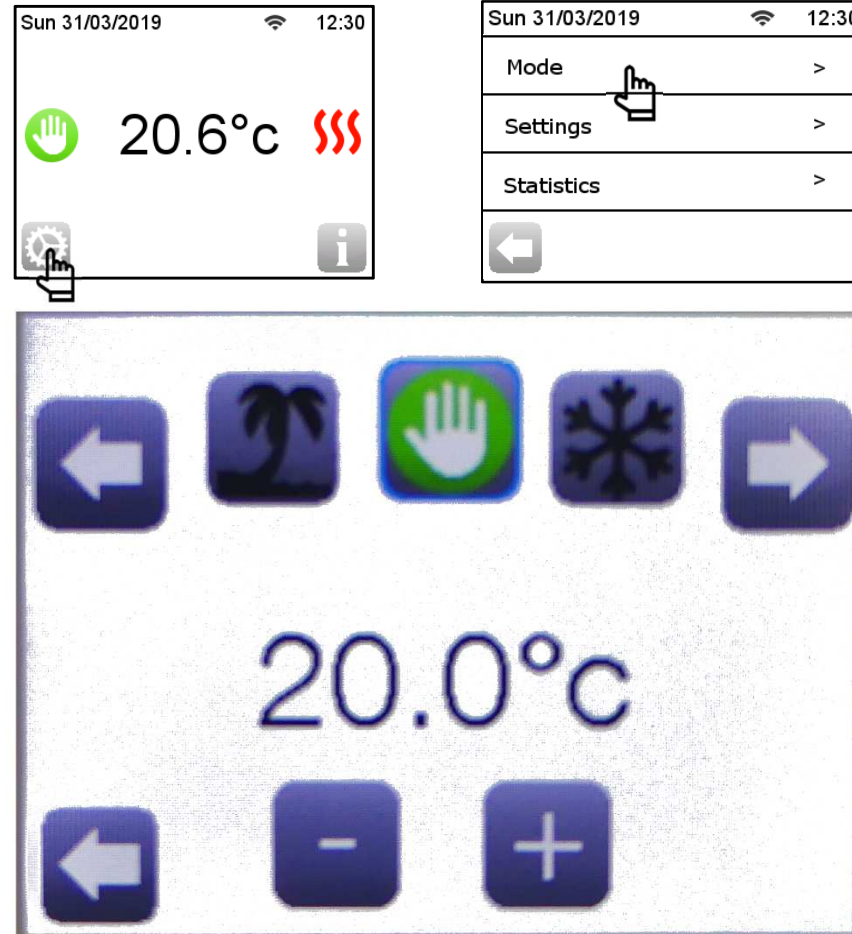
1 – Product presentation

- Click on menu :



1 – Product presentation

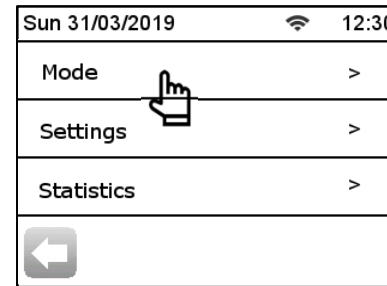
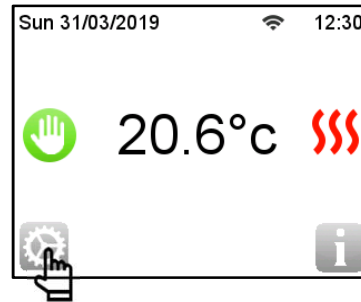
 **Manual** : set a setpoint (5°C – 35°C) and the thermostat will regulate on it.



1 – Product presentation

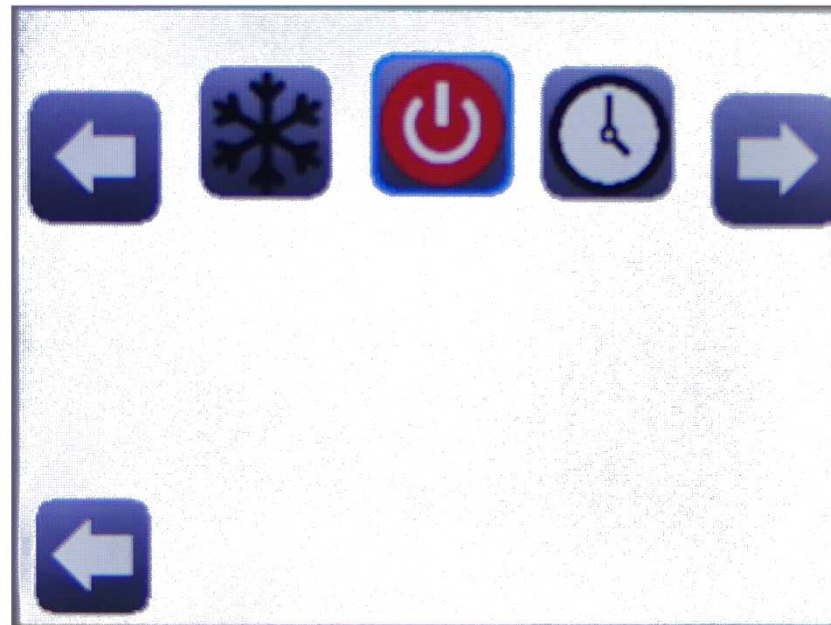
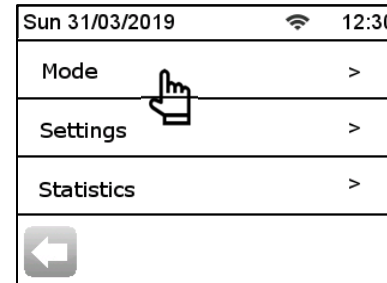
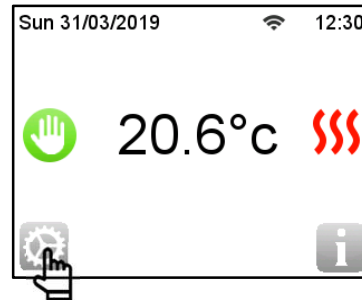


Timer : set a setpoint and period

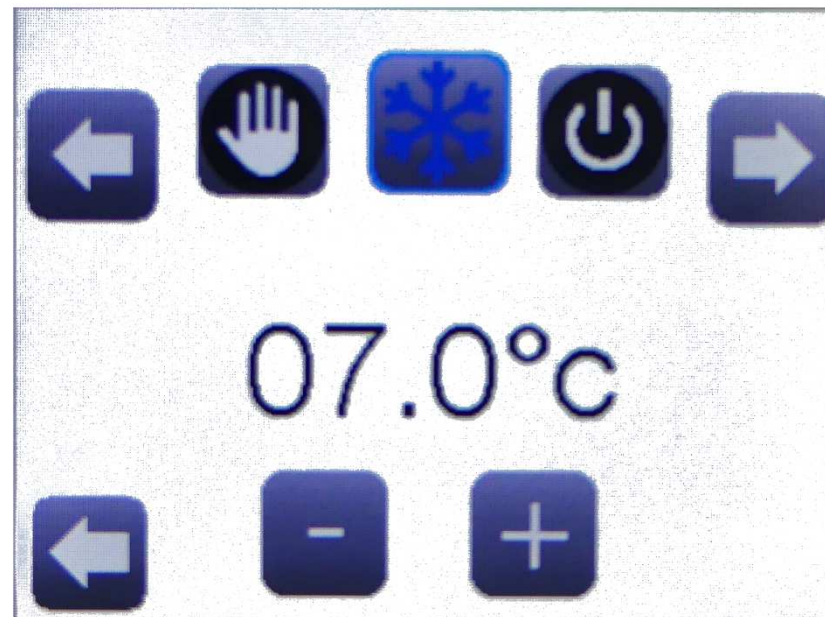
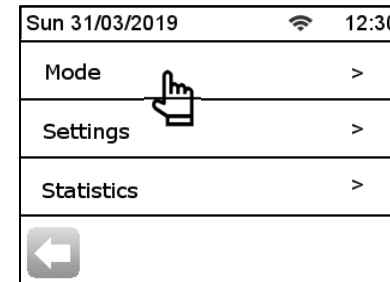
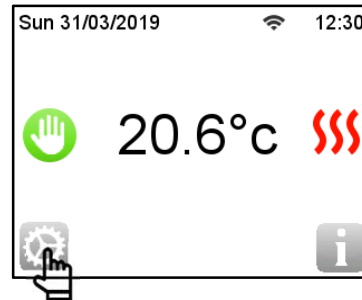


1 – Product presentation

 Off :

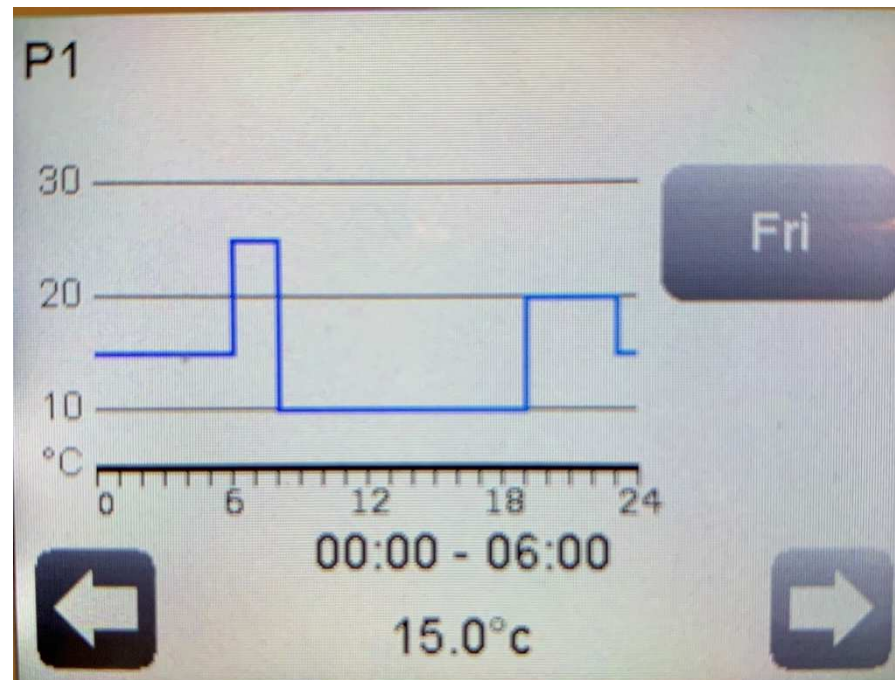
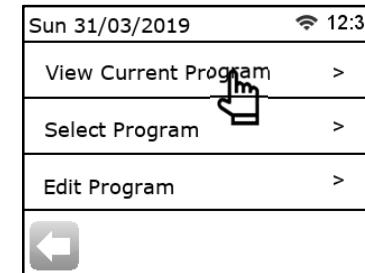
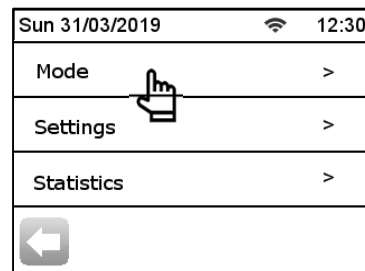
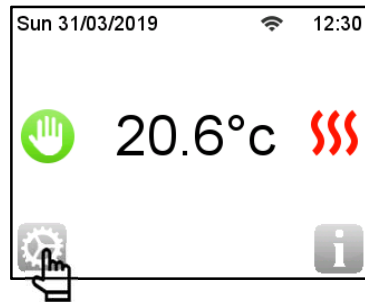


Anti-freeze :



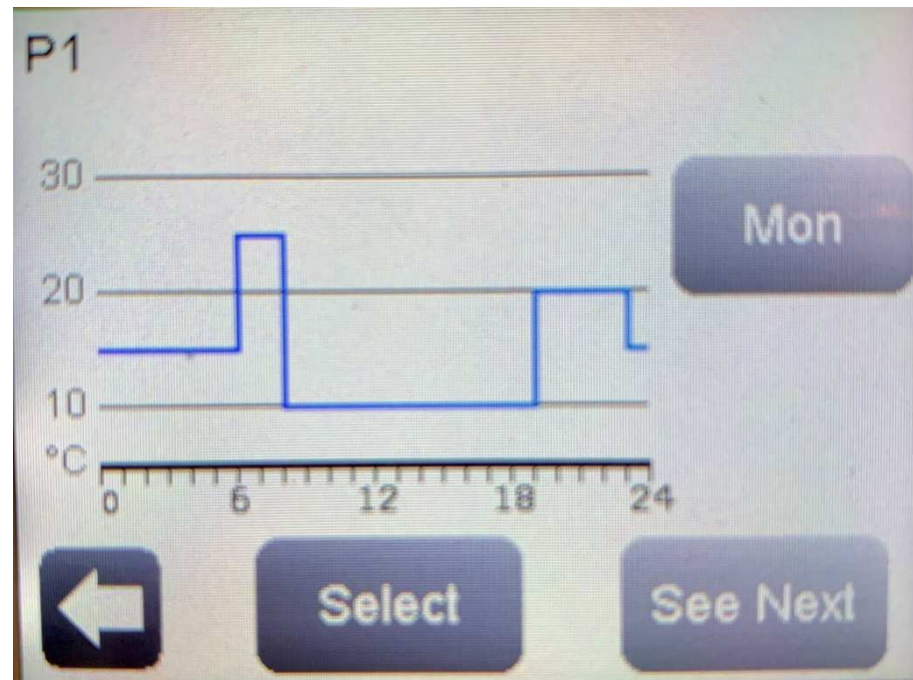
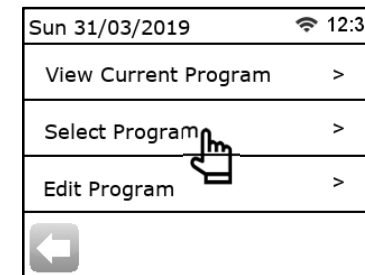
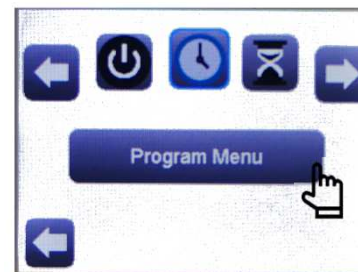
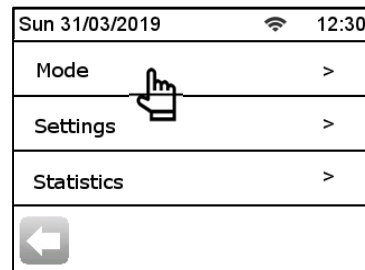
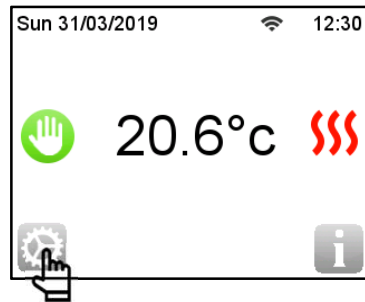
1 – Product presentation

Program :



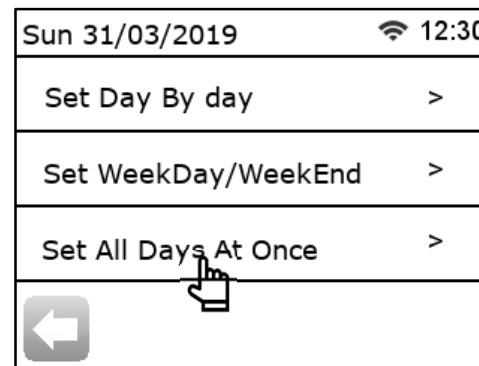
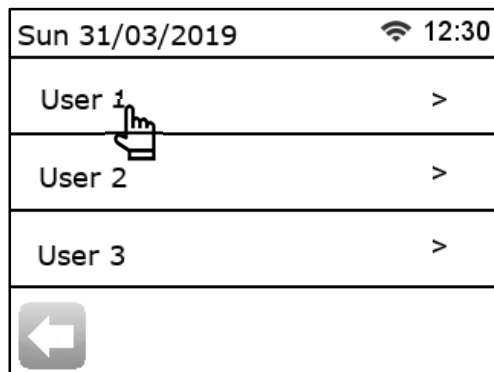
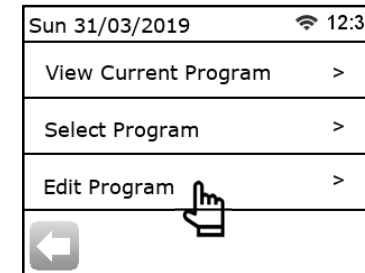
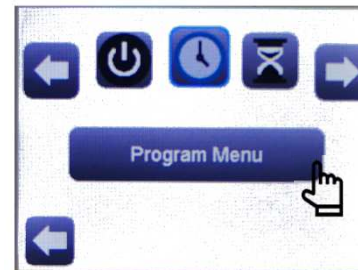
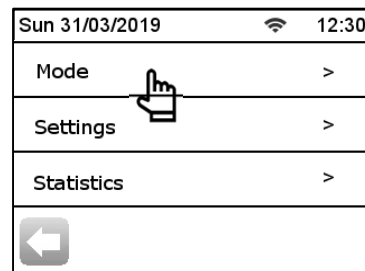
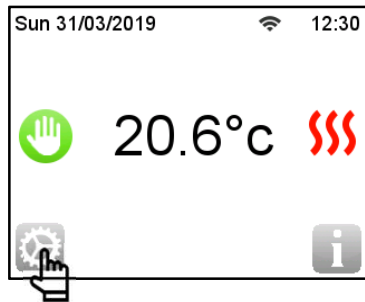
1 – Product presentation

Program :



1 – Product presentation

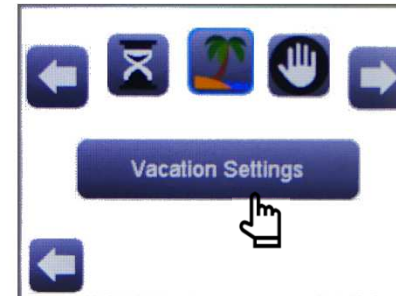
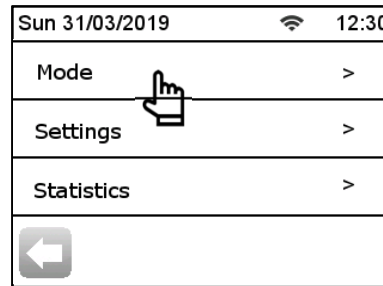
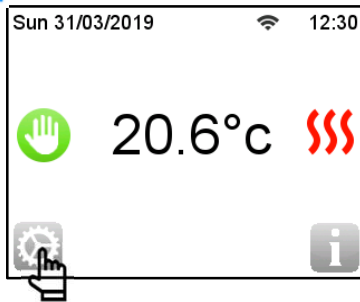
Program :



1 – Product presentation






Vacation :



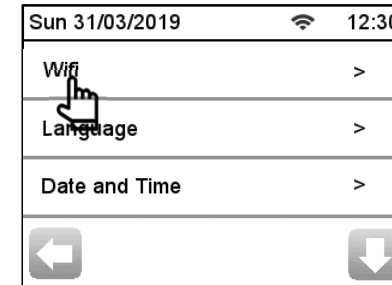
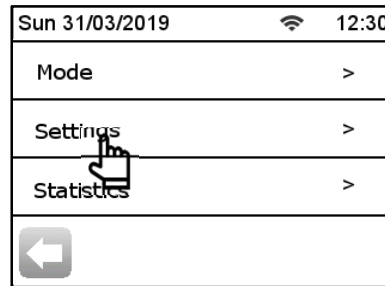
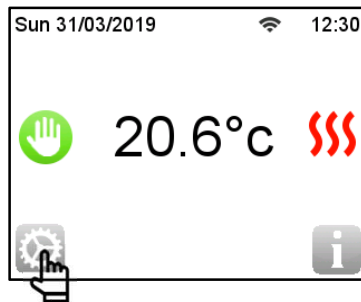
1 – Product presentation

- Click on menu :

Sun 31/03/2019		12:30
Mode		>
Settings		>
Statistics		>
		

1 – Product presentation

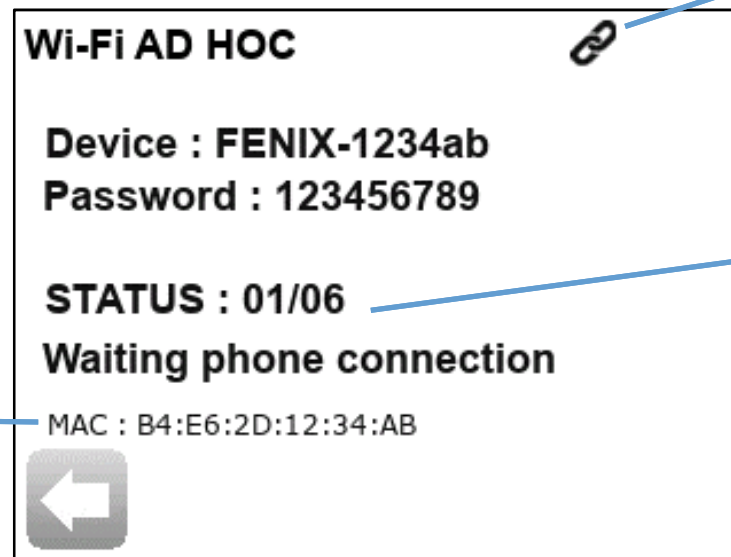
- Wifi:



Device wifi parameters :

- Unique SSID
- Password

Mac address



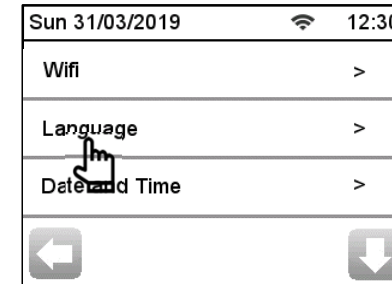
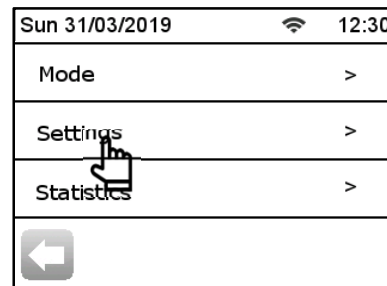
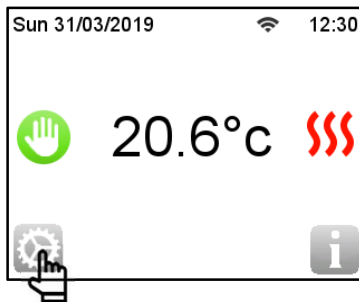
Connection type
Icon not connected

Connection status – 6 status for Ad hoc or cloud:

1. Waiting phone connection
2. Phone connected
3. Unused
4. Waiting IP address
5. Waiting Cloud connection
6. Cloud connected

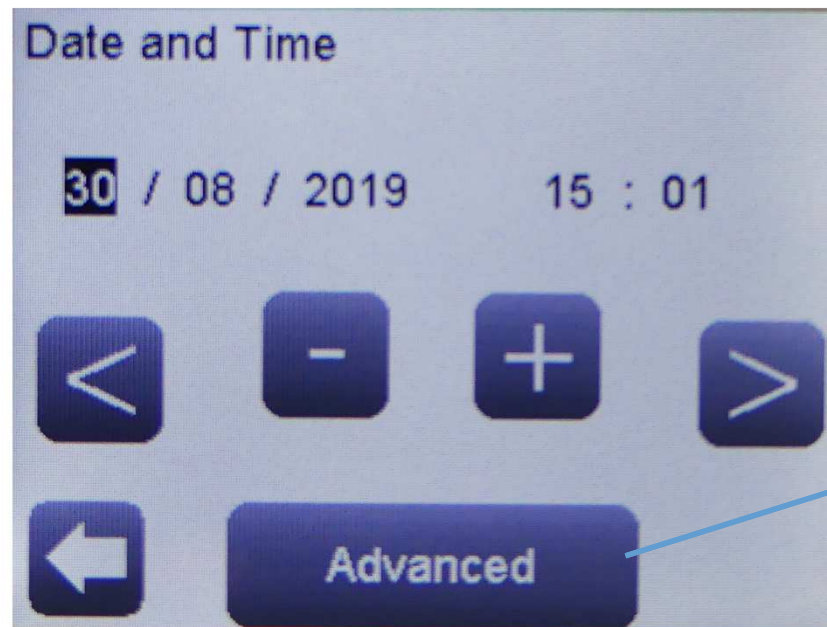
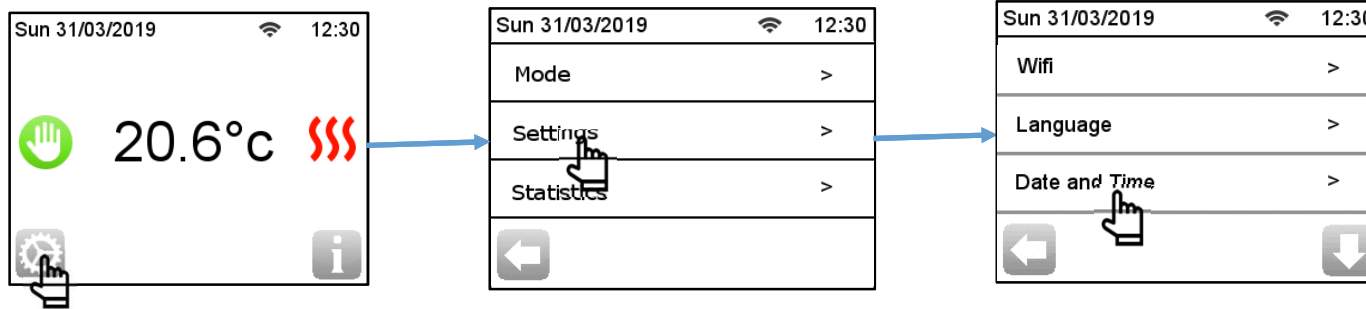
1 – Product presentation

- 17 languages:



1 – Product presentation

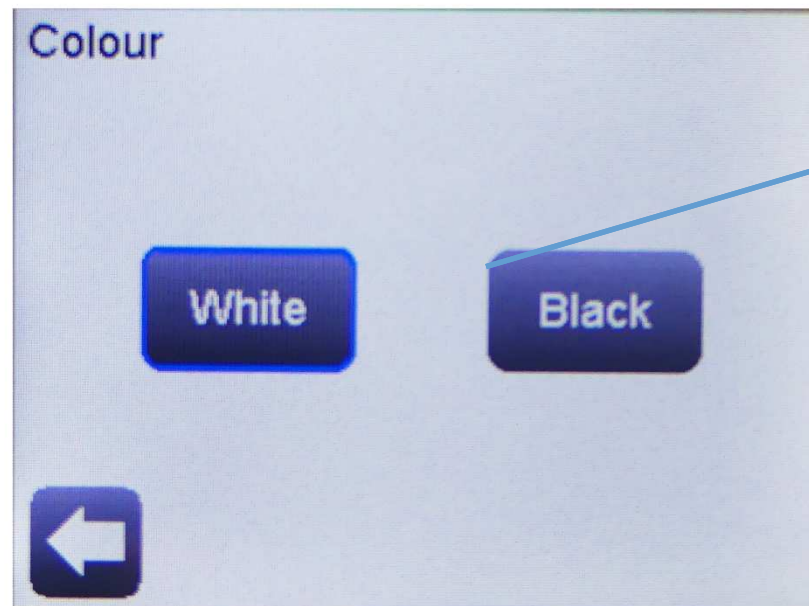
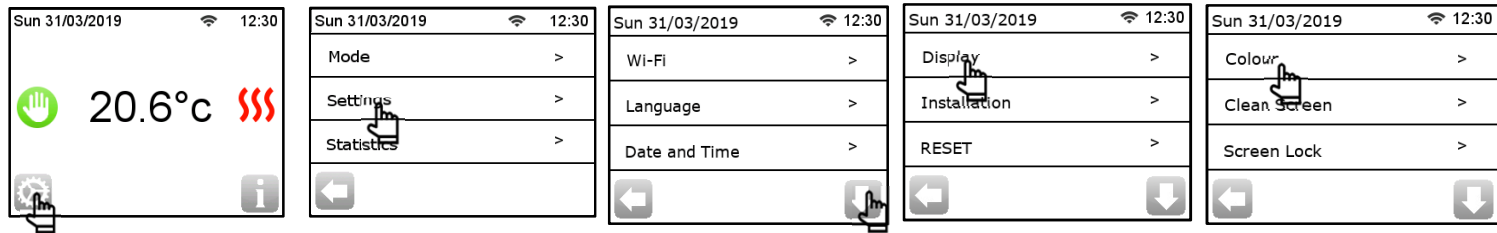
- Date and time :



Open daily saving time

1 – Product presentation

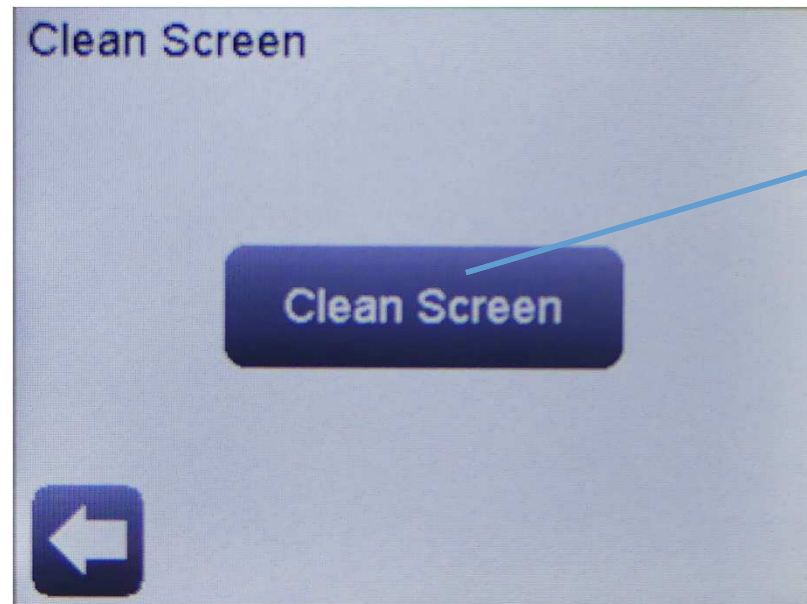
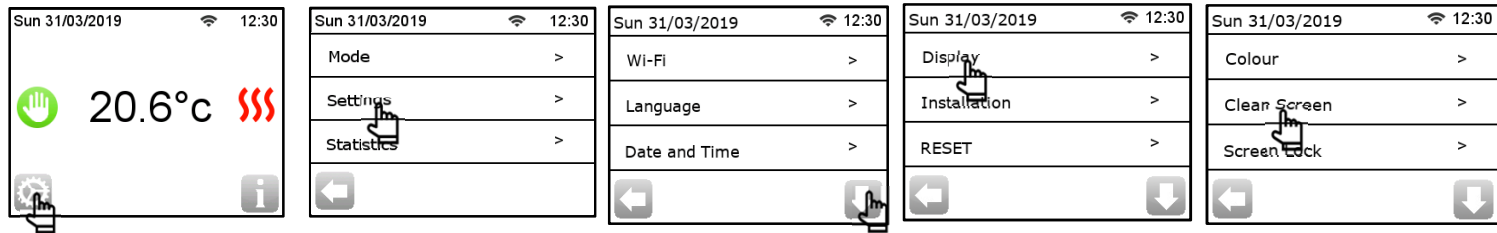
- Colors



2 colors available

1 – Product presentation

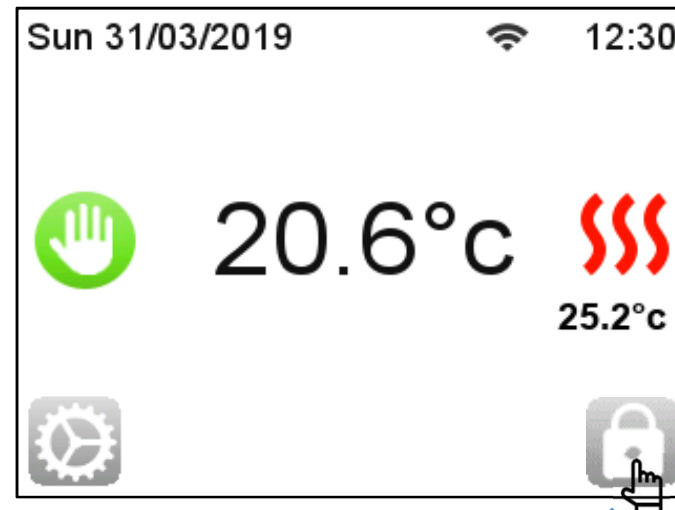
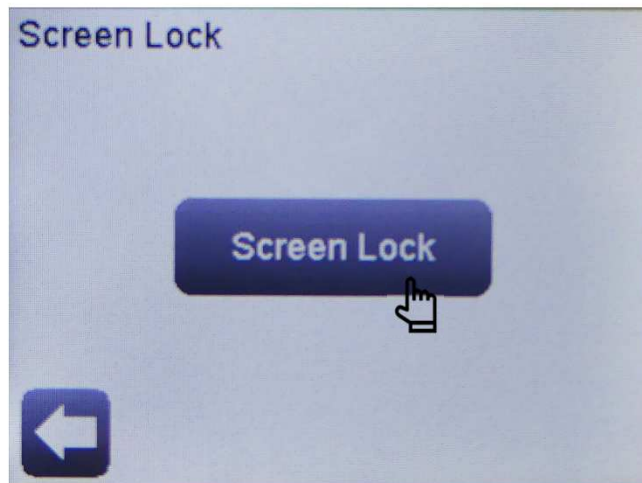
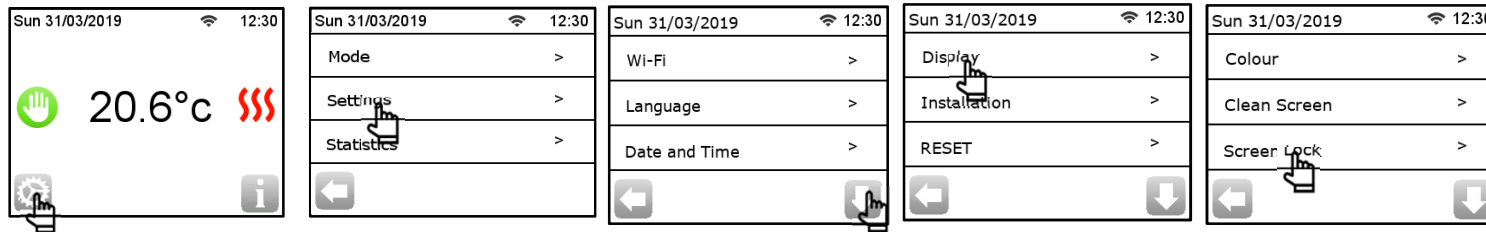
- Clean screen



30 sec to clean screen

1 – Product presentation

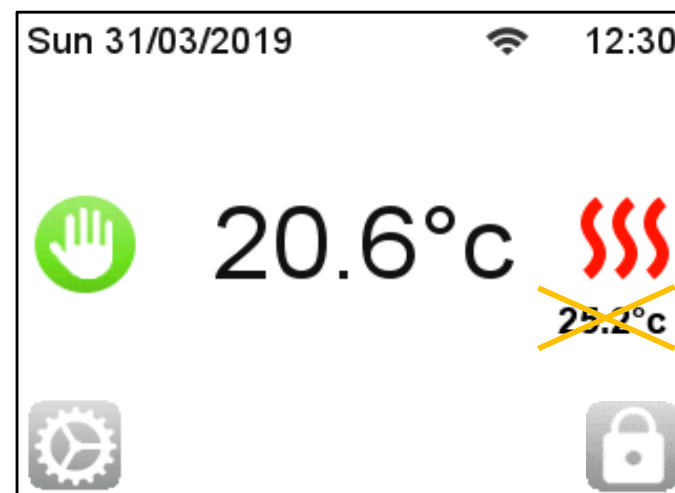
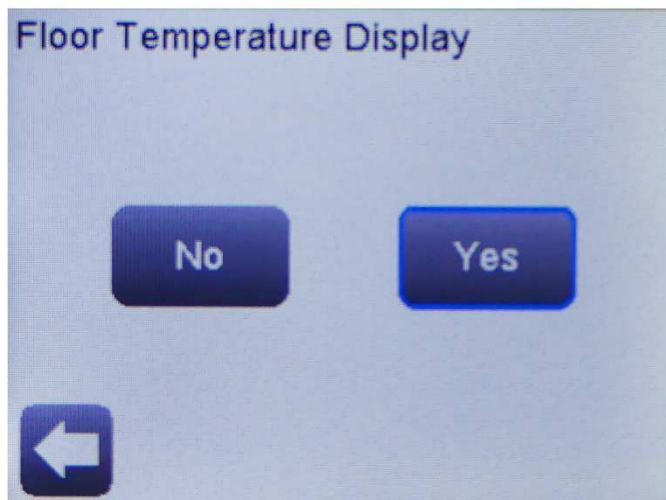
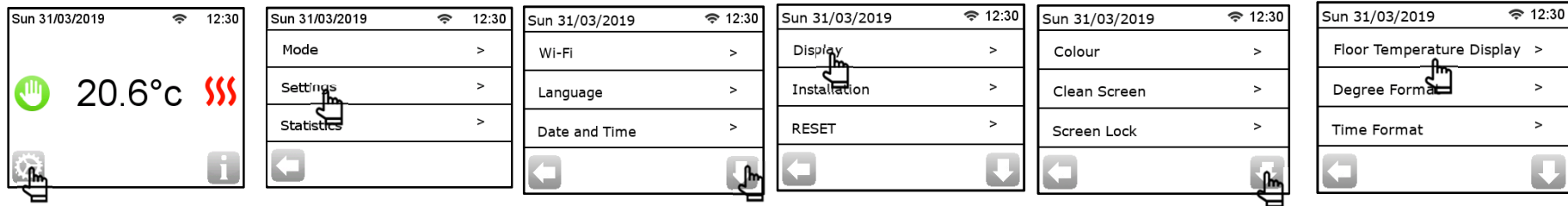
- Lock screen



Press 15sec to unlock

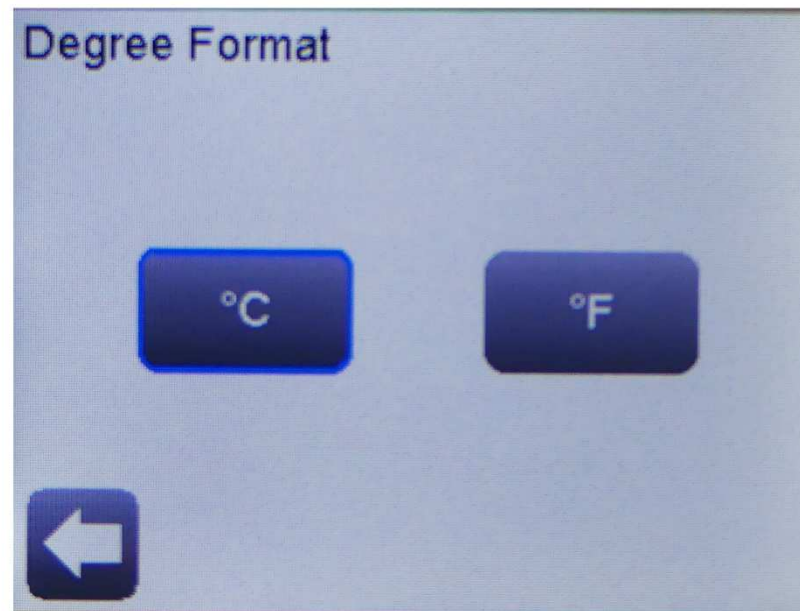
1 – Product presentation

- Floor temperature display



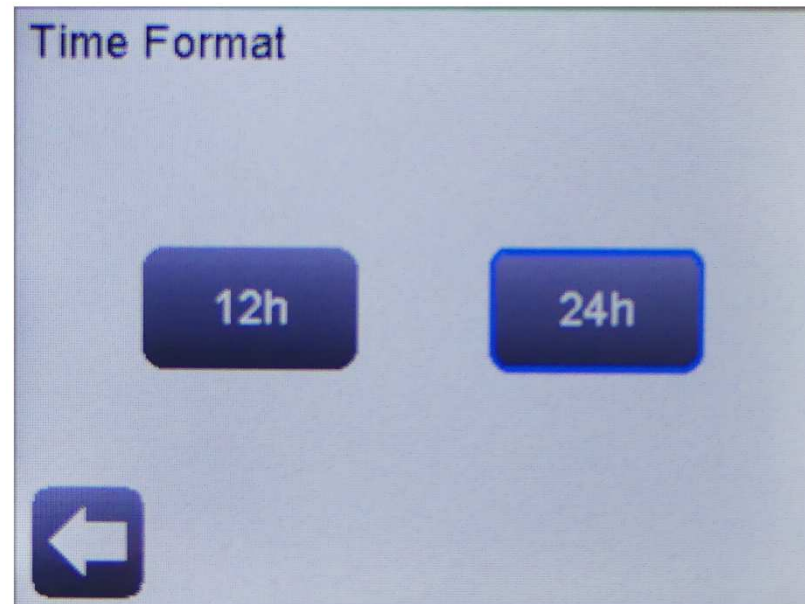
1 – Product presentation

- Degree format :



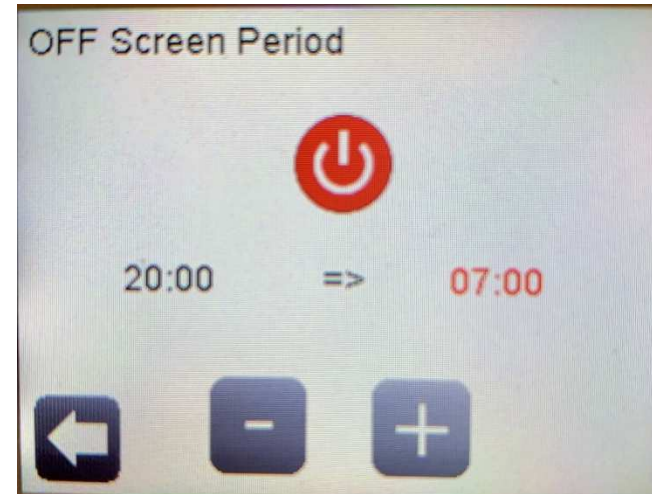
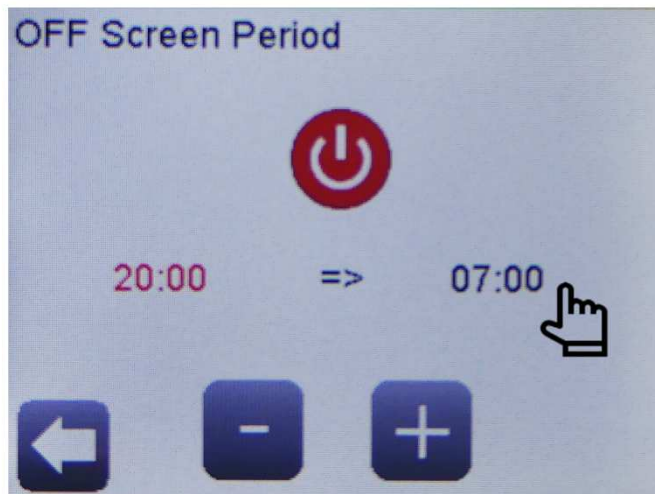
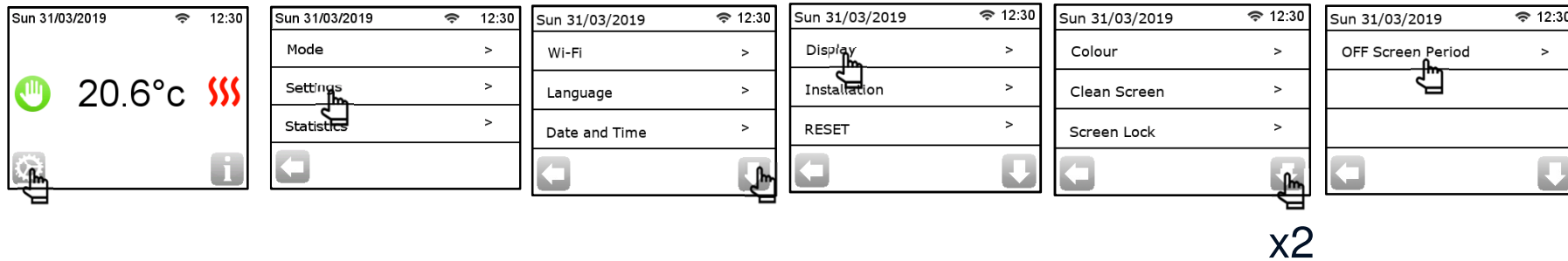
1 – Product presentation

- Time format :



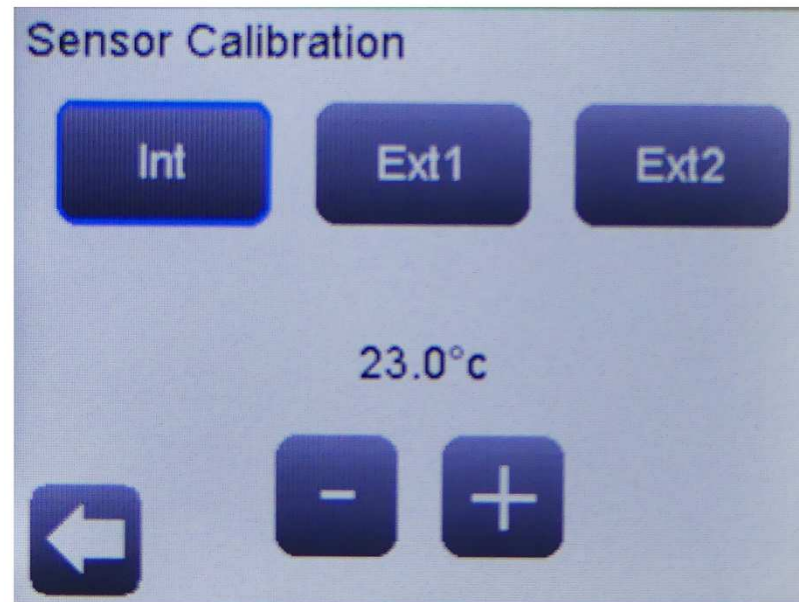
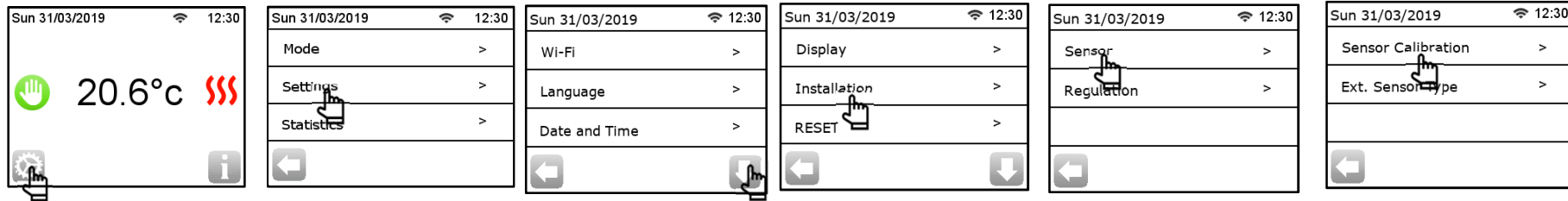
1 – Product presentation

- OFF Screen Period



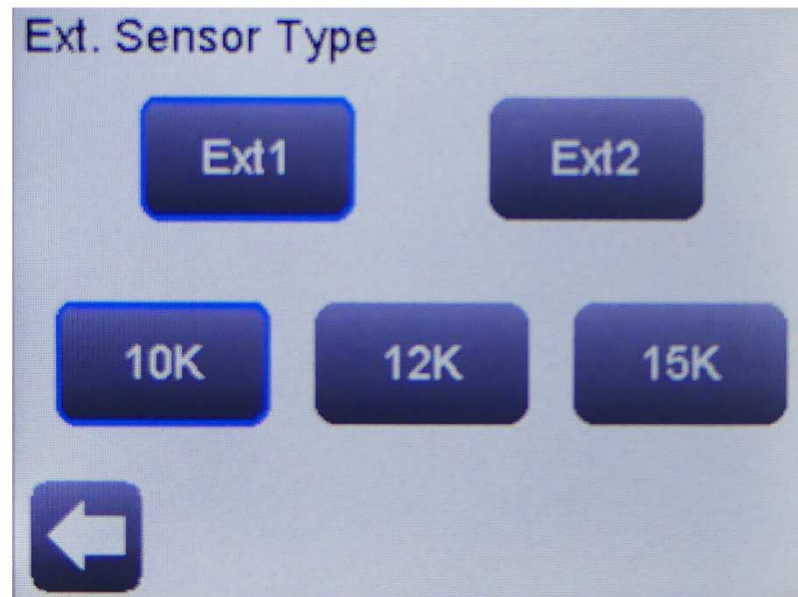
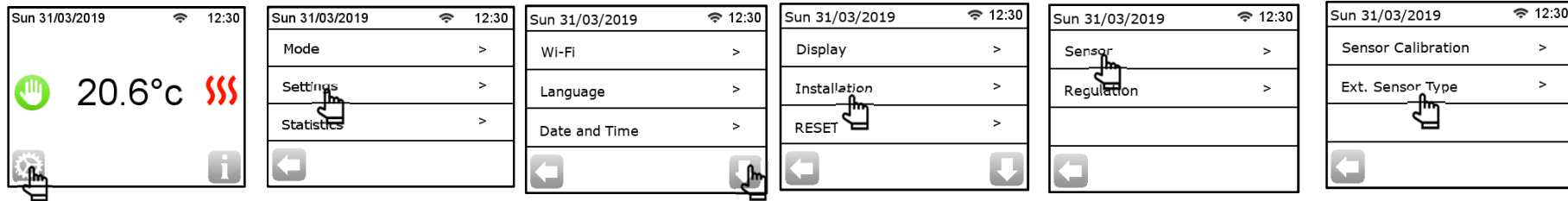
1 – Product presentation

- Sensor calibration



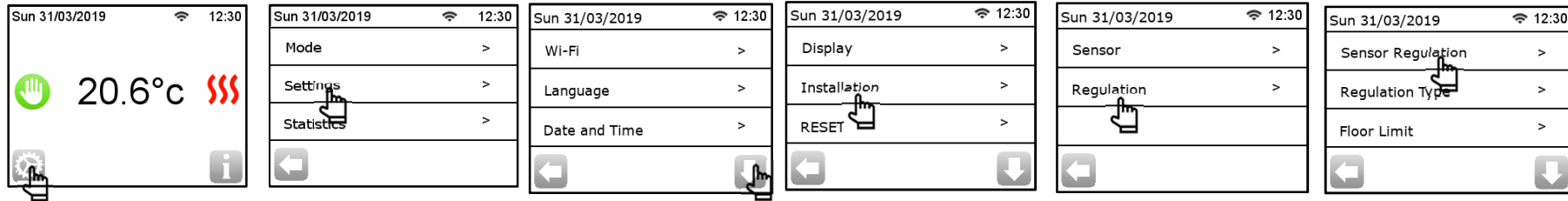
1 – Product presentation

- External sensor type



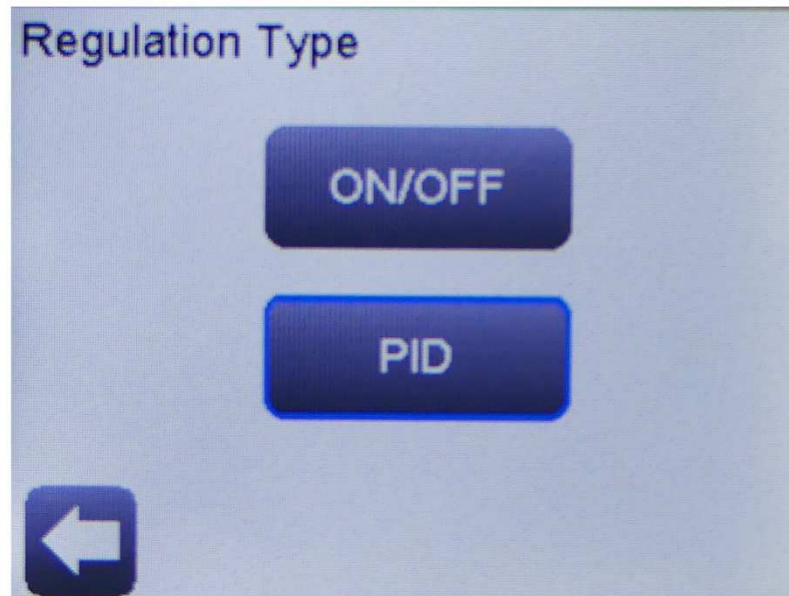
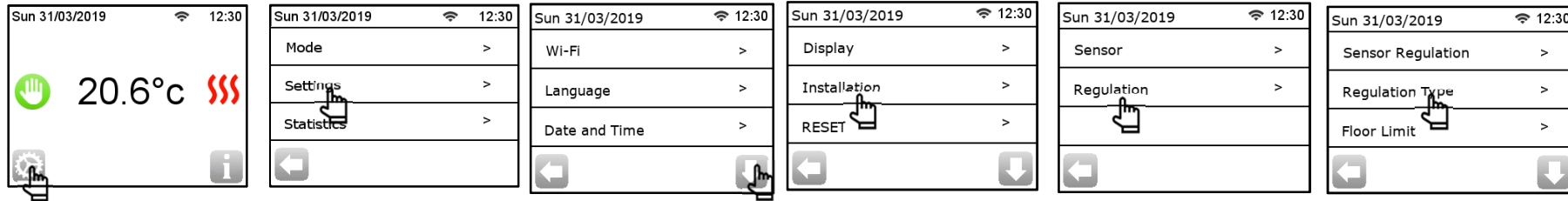
1 – Product presentation

- Sensor regulation



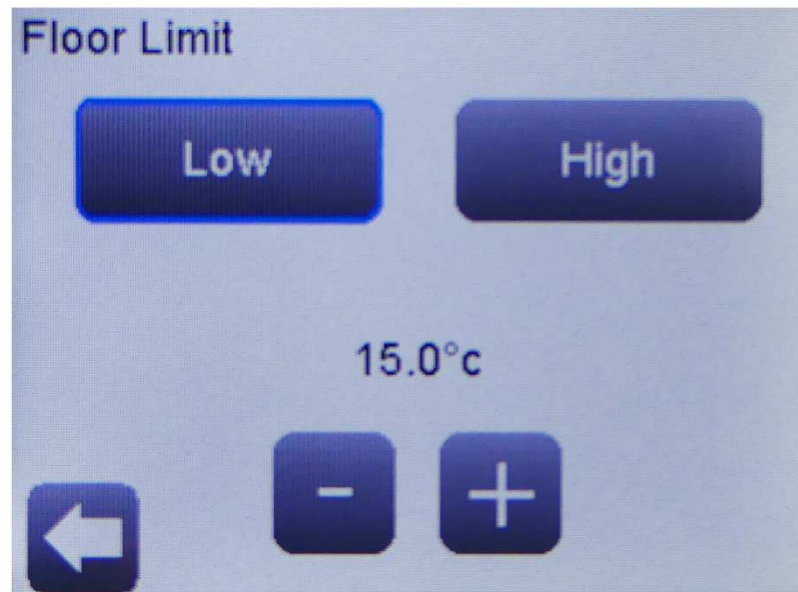
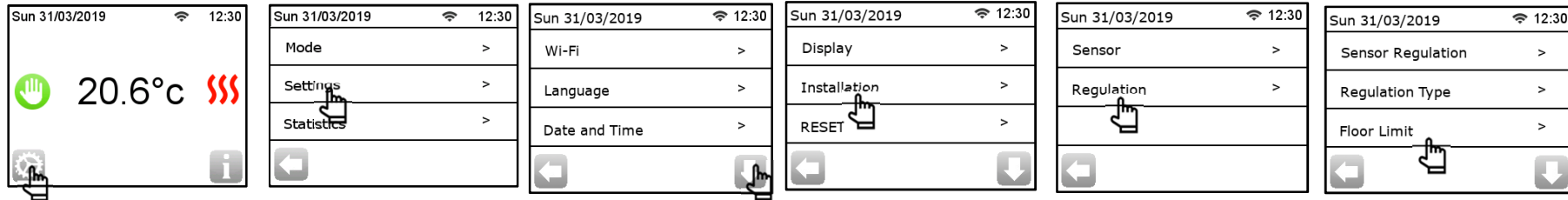
1 – Product presentation

- Regulation type



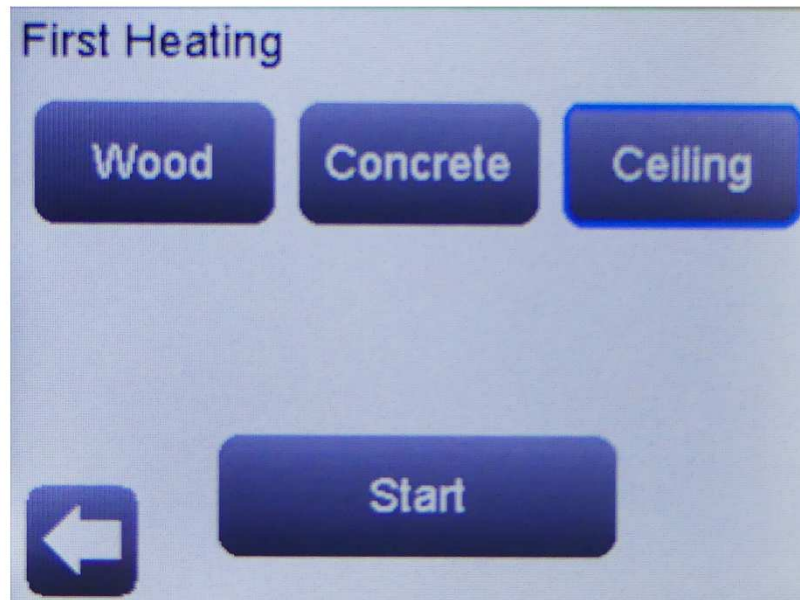
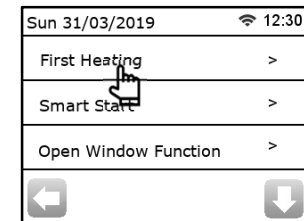
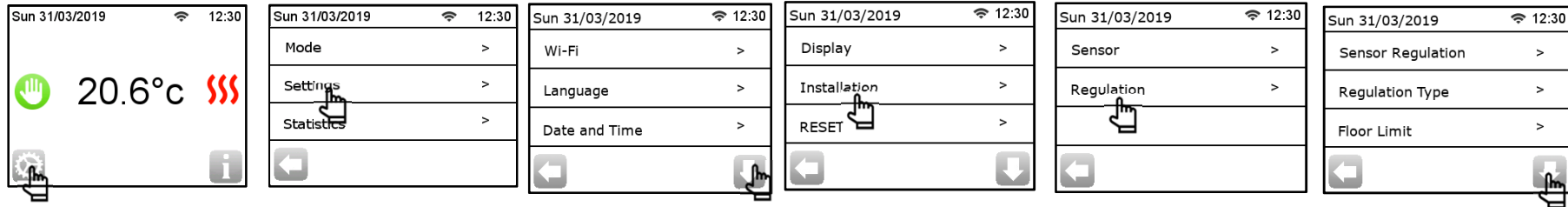
1 – Product presentation

- Floor limit



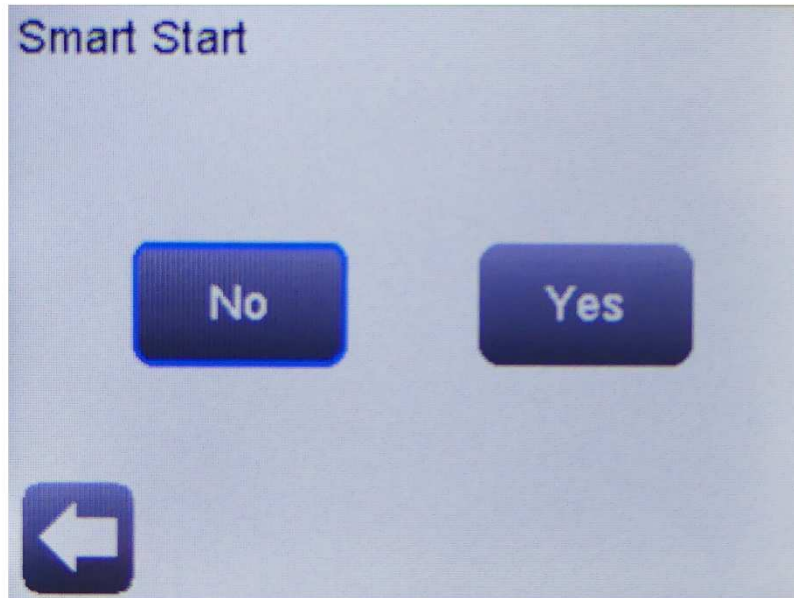
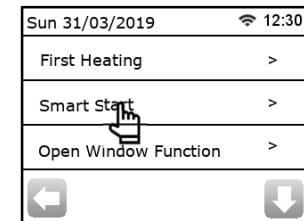
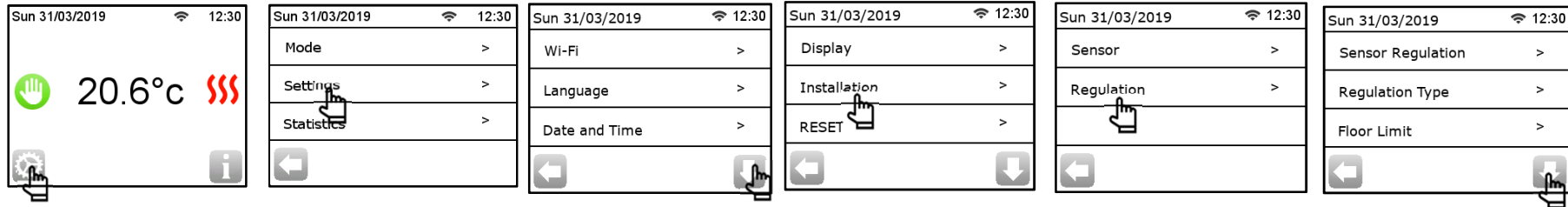
1 – Product presentation

- First heating



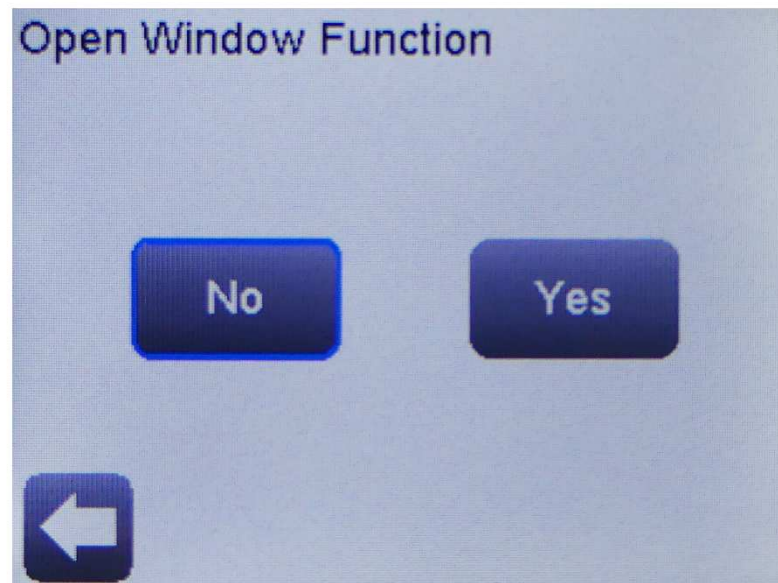
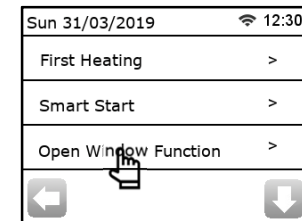
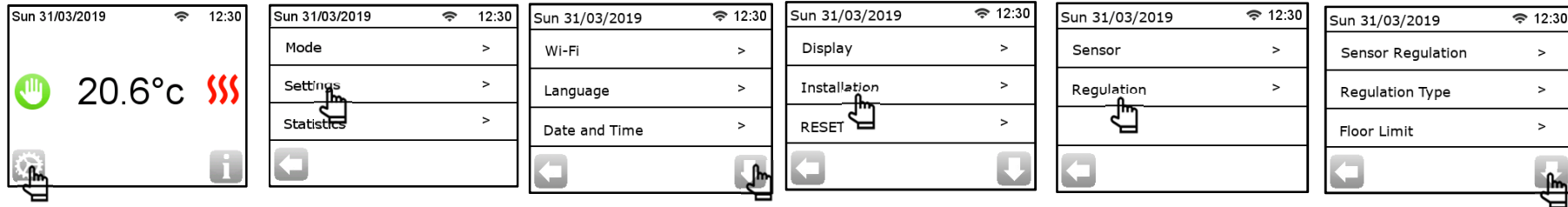
1 – Product presentation

- Smart Start



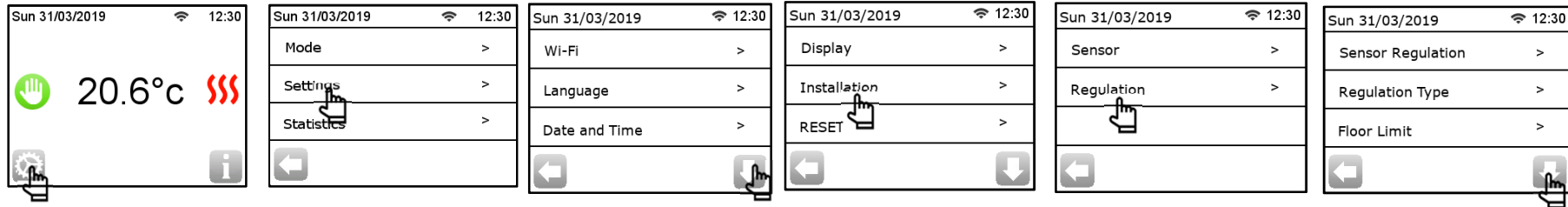
1 – Product presentation

- Open window detection

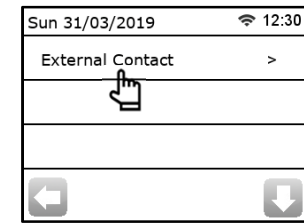
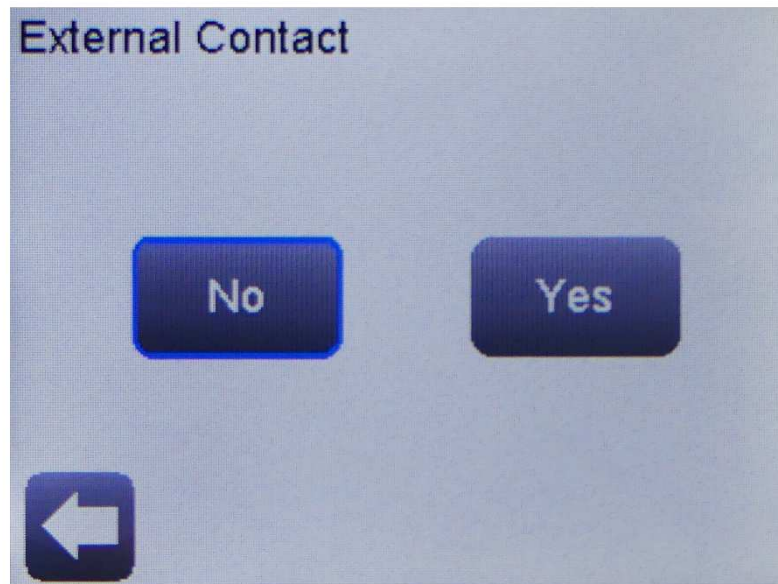


1 – Product presentation

- External Contact (contactor)



x2

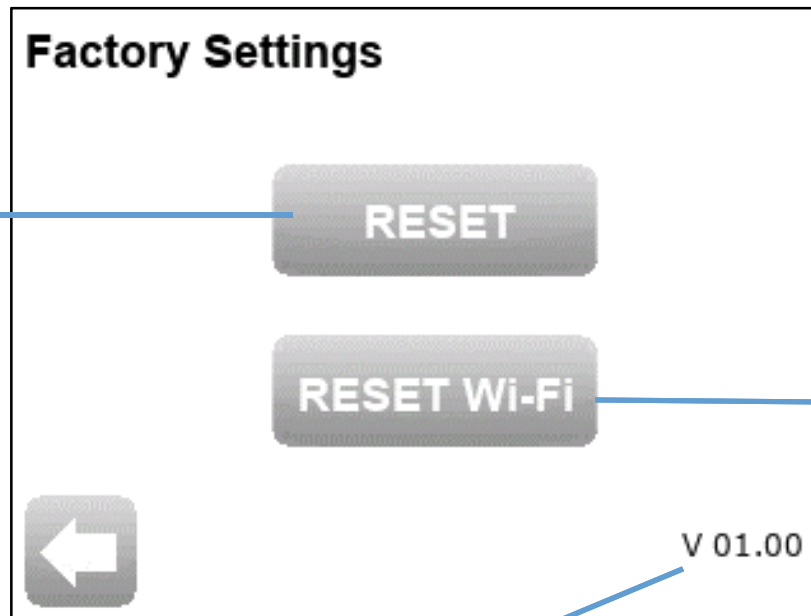


1 – Product presentation

- RESET



RESET : return in factory default value each internal parameters BUT keep all wifi settings






RESET Wifi : return in factory default value each wifi parameters BUT keep all internal parameters and settings.



Software version is displayed on the bottom right corner

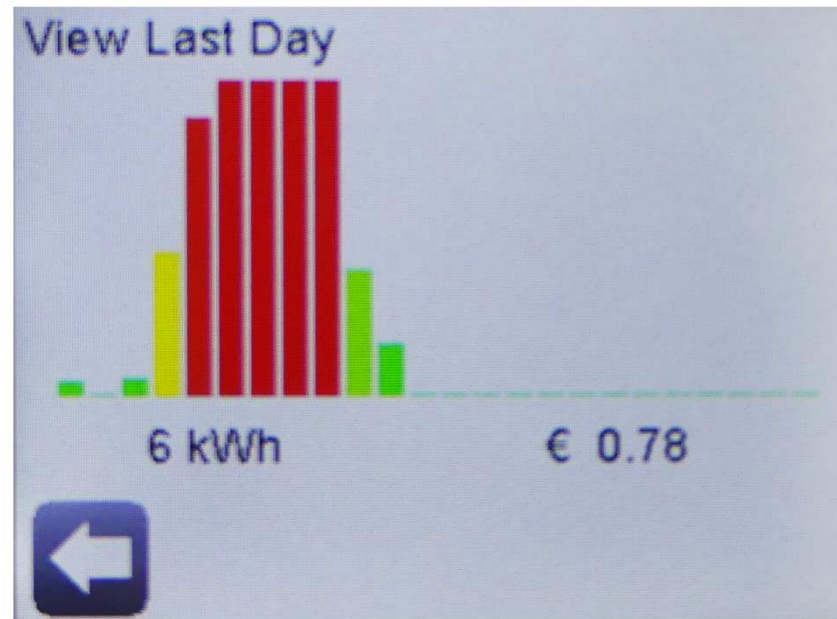
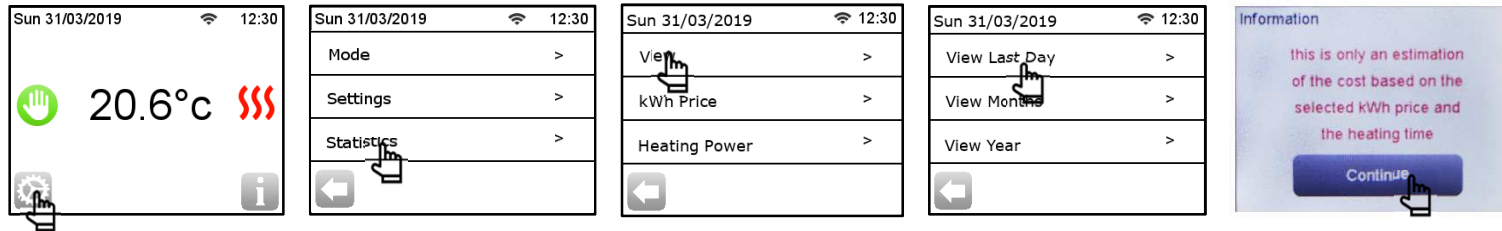
1 – Product presentation

- Click on menu :

Sun 31/03/2019		12:30
Mode		>
Settings		>
Statistics		>
		

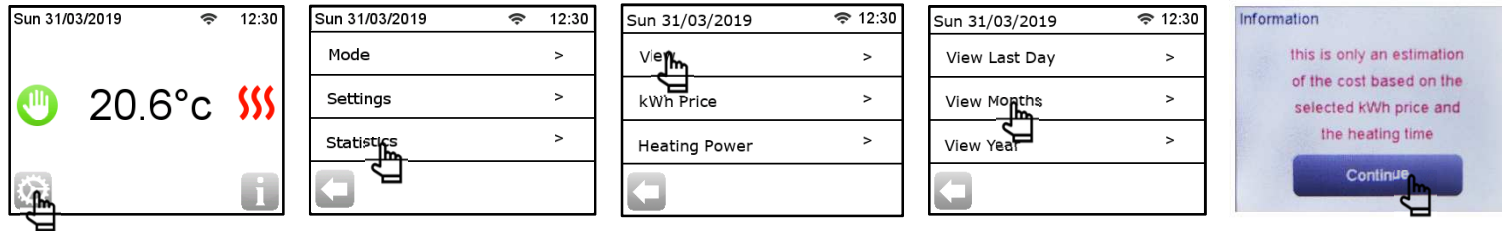
1 – Product presentation

- Statistic : last day



1 – Product presentation

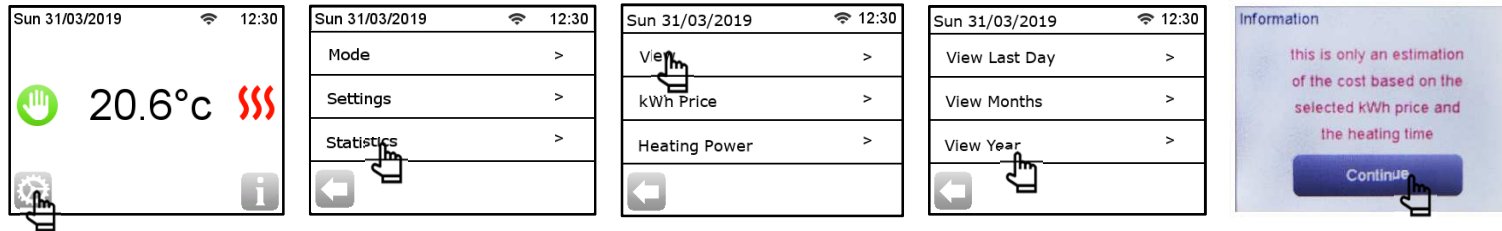
- Statistic : months



24 months in memory

1 – Product presentation

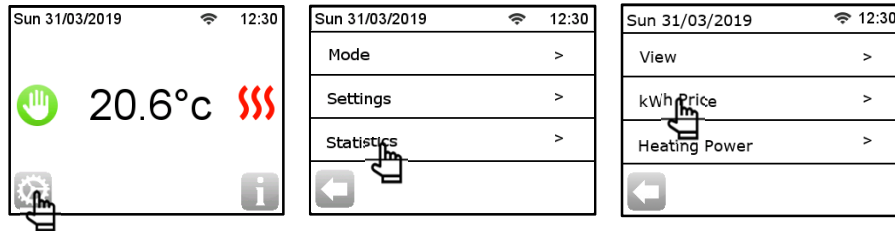
- Statistic : years



2 years in memory

1 – Product presentation

- Statistic : kWh Price

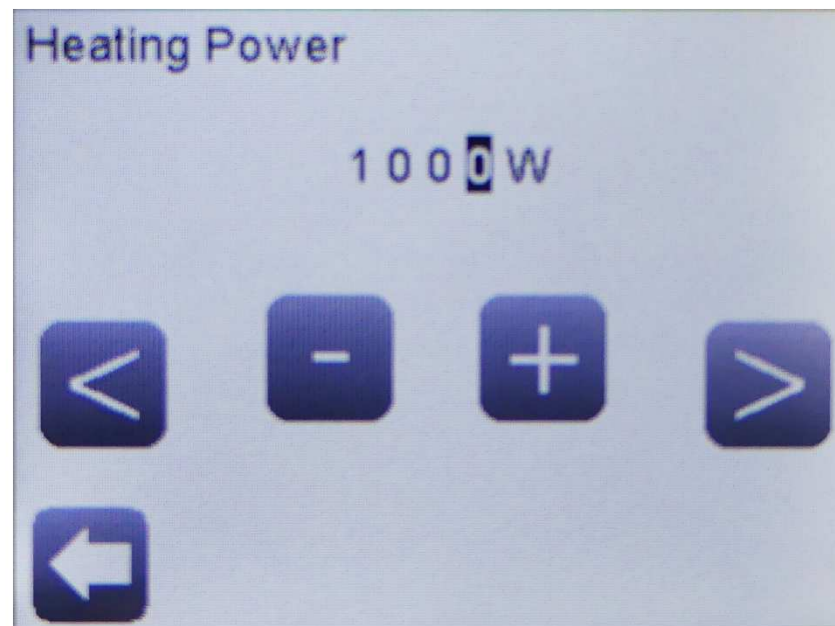
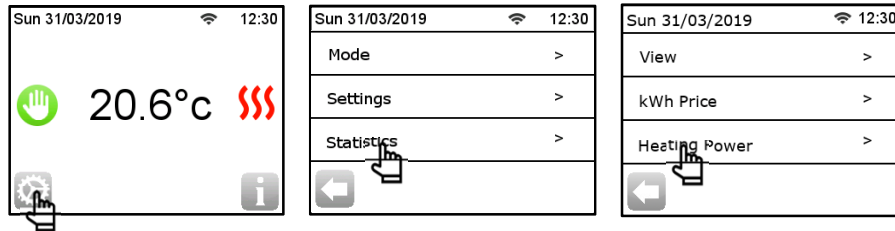


Change devise



1 – Product presentation

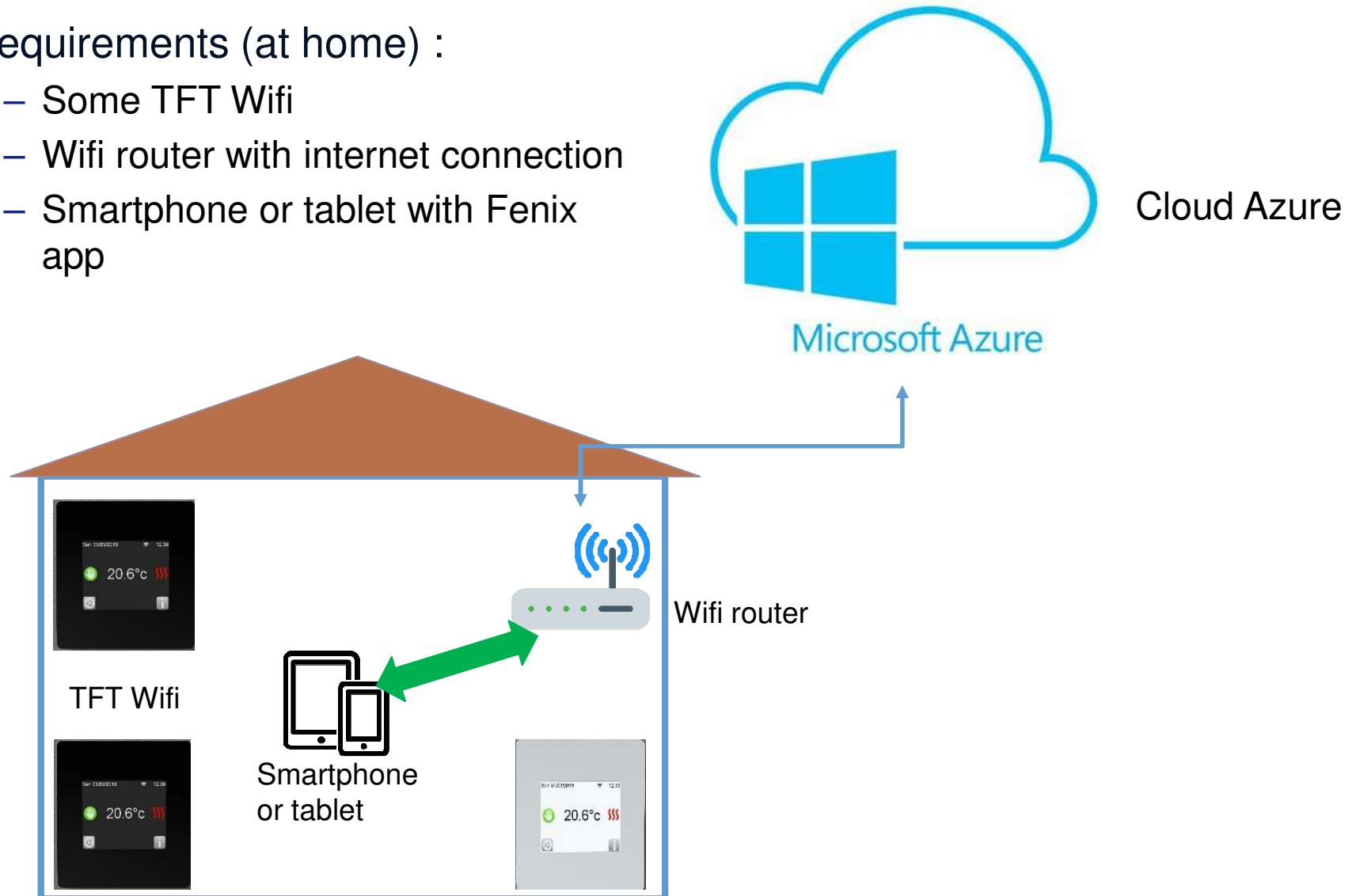
- Statistic : heating power



2 – Wifi communication

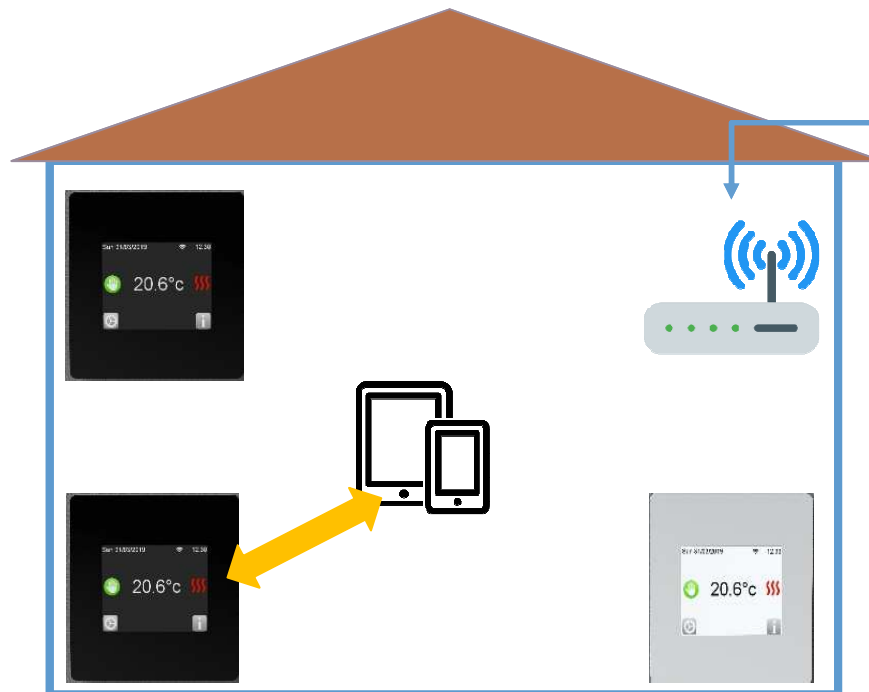
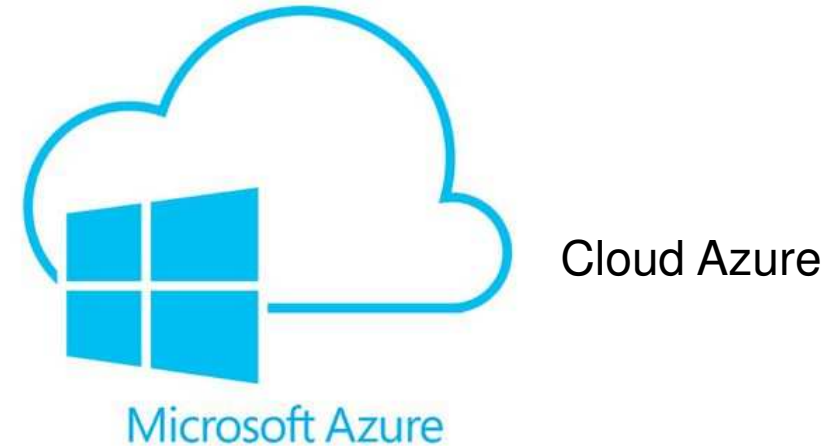
2 – Wifi communication

- Requirements (at home) :
 - Some TFT Wifi
 - Wifi router with internet connection
 - Smartphone or tablet with Fenix app



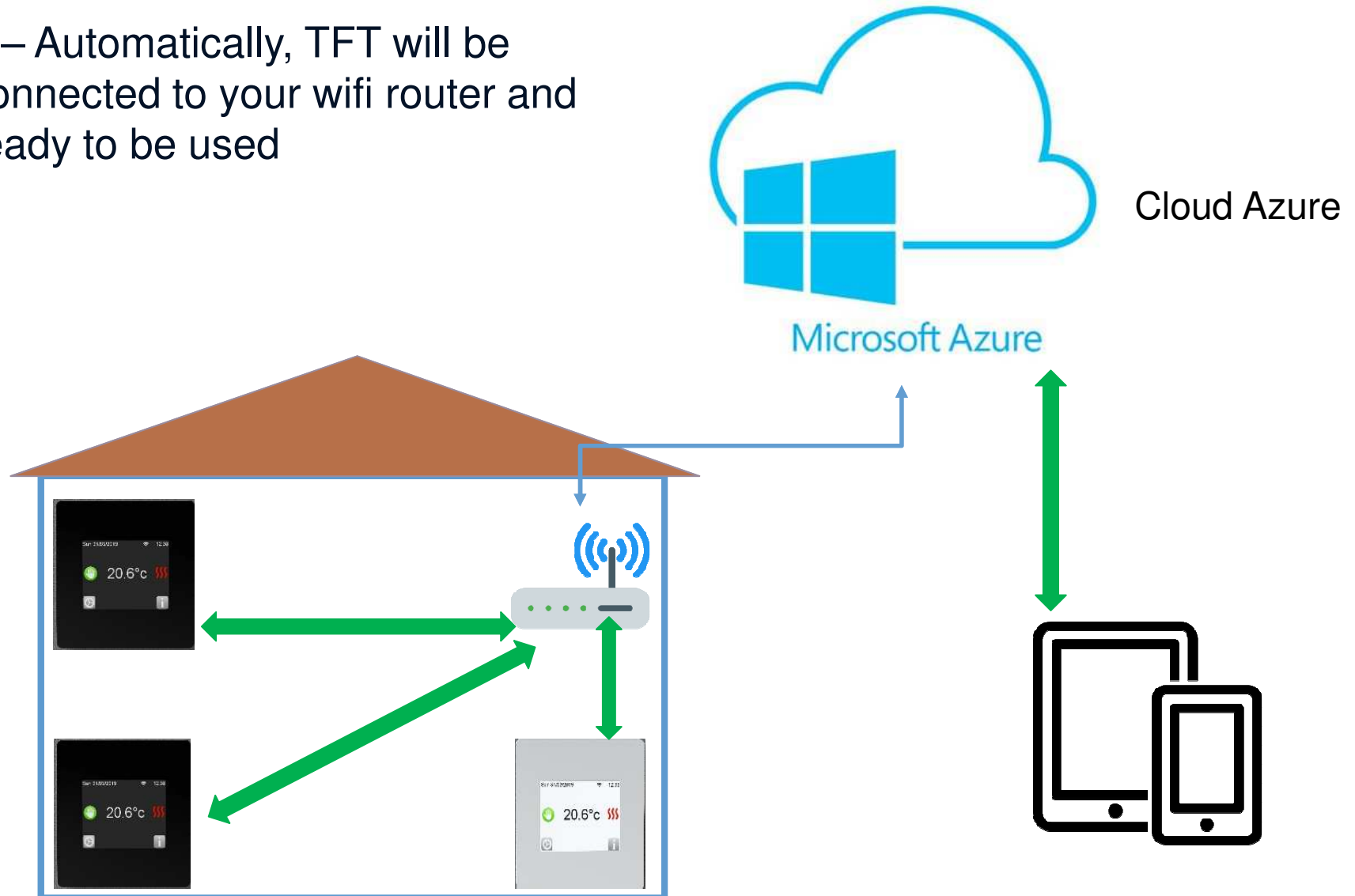
2 – Wifi communication

- 1 – Connect Fenix app to TFT Wifi
- 2 – Configure your installation and set your wifi settings in the TFT



2 – Wifi communication

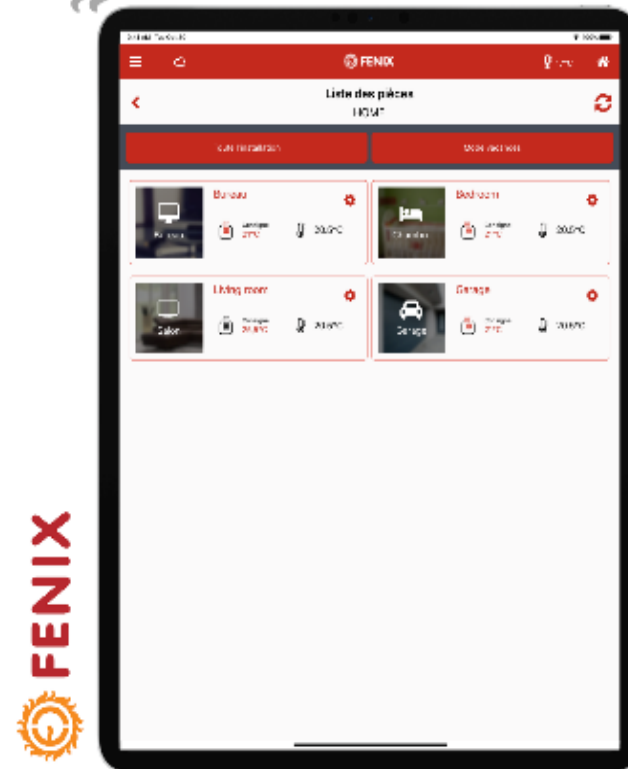
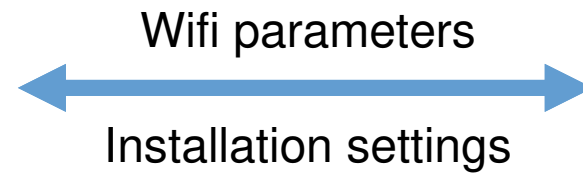
- 3 – Automatically, TFT will be connected to your wifi router and ready to be used



3 - How to connect your TFT Wifi ?

3 – How to connect your TFT Wifi ?

Part 1 – Set Wifi network parameters on your device, and create your installation



3 – How to connect your TFT Wifi ?

- Download App
- Available on App Store and Android store



FENIX Tft Wifi

Watts Water Technologies Lifestyle

PEGI 3



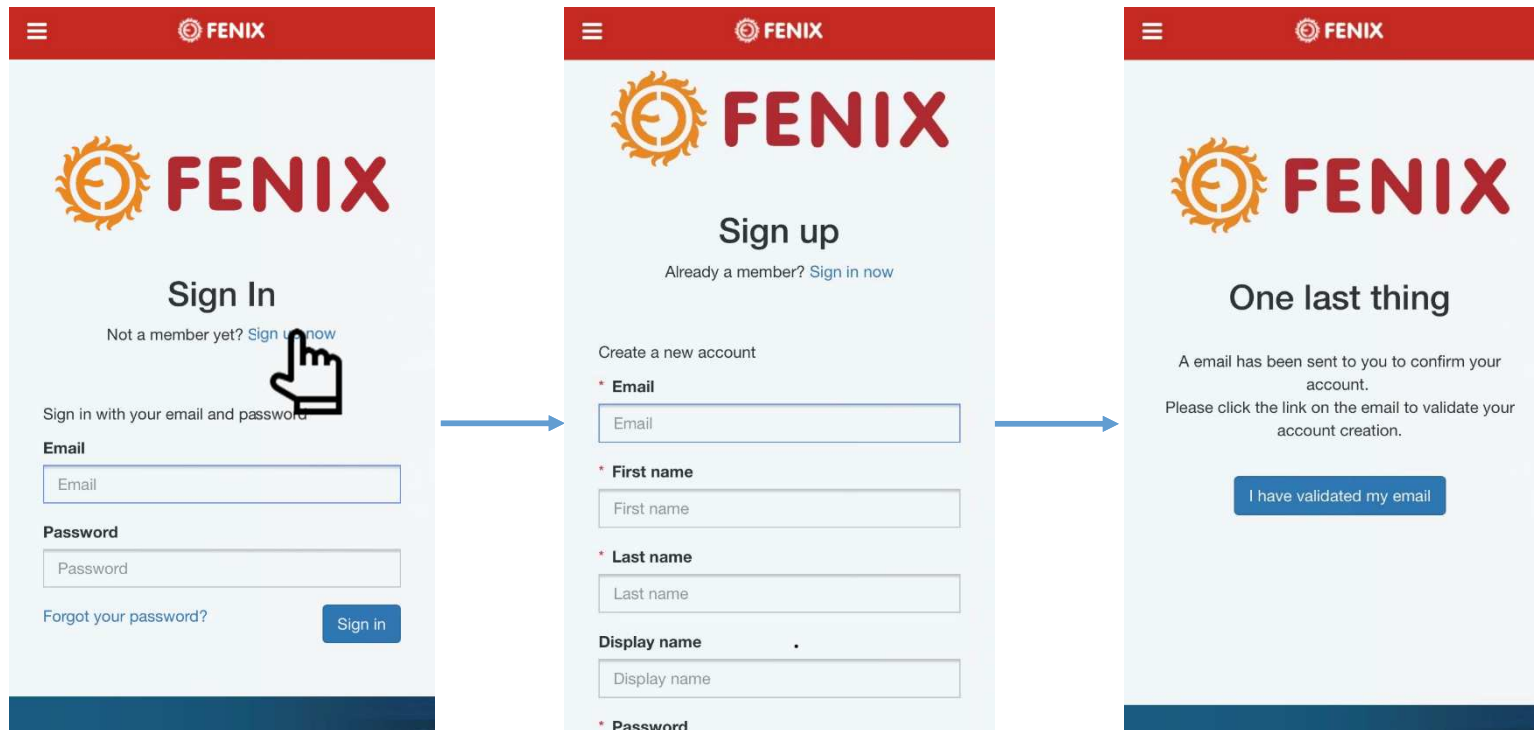
https://play.google.com/store/apps/details?id=com.Fenix.TftWifi.Mobile&hl=en_us




<https://apps.apple.com/fr/app/fenix-tft-wifi/id1474206689>

3 – How to connect your TFT Wifi ?

- Step 1 : Open your app and create your account



 Don't forget to validate your email address :

PLEASE CONFIRM YOUR ACCOUNT

Dear Fenix,


We received your account creation request. To activate it, you need to click on the following link.

Kindest regards.

I CONFIRM

3 – How to connect your TFT Wifi ?

- Step 2 : First login on your app, accept Term of Use

 At the beginning, the list of installation is empty

3 – How to connect your TFT Wifi ?

- Step 3 : click on « + », « wifi settings », select the device's network and enter network password = « 123456789 »

The screenshots illustrate the following steps:

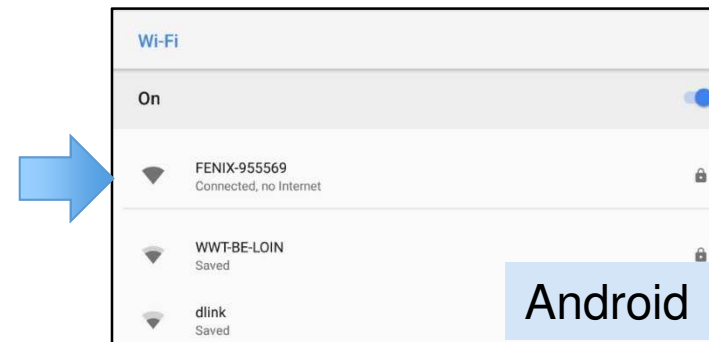
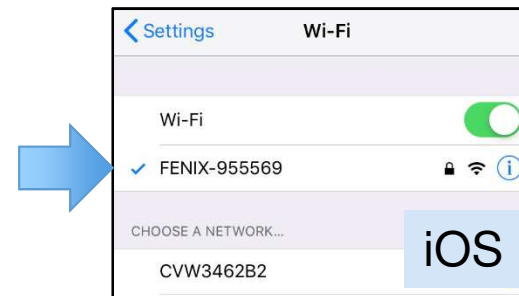
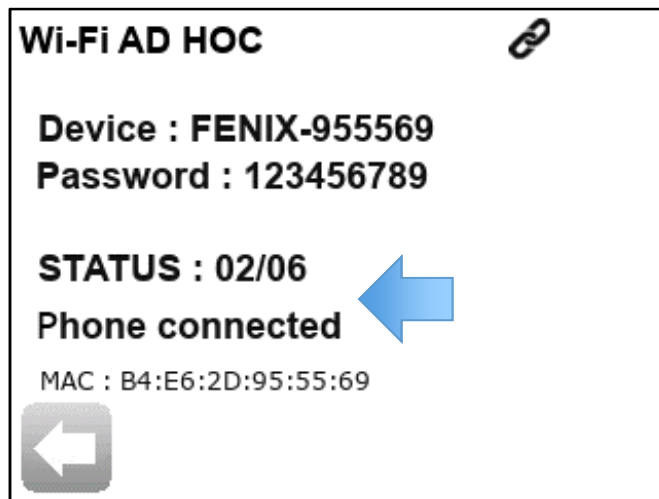
- Click the '+' button in the FENIX app to start the connection process.
- Click the 'Wifi Settings' button in the FENIX app.
- Select the 'FENIX-955669' network in the iOS Wi-Fi settings.
- Enter the password '123456789' in the password field.

The 'Wi-Fi AD HOC' information box contains the following details:

- Device : FENIX-955669
- Password : 123456789
- STATUS : 02/06
- Phone connected
- MAC : B4:E6:2D:95:55:69

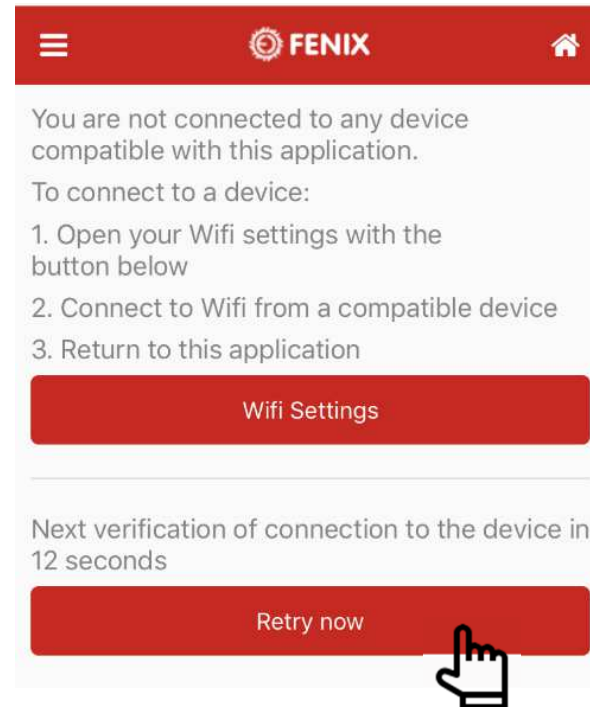
3 – How to connect your TFT Wifi ?

- All is correct if :
 - Thermostat is in status : 02/06 - Phone connected
 - Wifi parameters have « connected » status, on your smartphone



3 – How to connect your TFT Wifi ?

- Return on app, and click on « retry now



3 – How to connect your TFT Wifi ?

- Step 4 : Create your installation : add your home

The image illustrates the 'Add installation' process in the FENIX app through three sequential screenshots:

- Screen 1 (Left):** Shows the 'Choose installation' screen. It has a red header with the FENIX logo and a home icon. Below the header, it says 'Choose installation' and 'No installation created'. There are two sections: 'Choose room' with 'No room in this installation' and a plus sign, and 'Device name' with an empty text field and a 'Save' button.
- Screen 2 (Middle):** Shows the 'Add installation' screen. It has a red header with a back arrow and the text 'Add installation'. Below the header, there is an 'Image' section with three image thumbnails. The first thumbnail is selected and has a red border. Below the images is a 'Title' field containing 'My home'. At the bottom right, there are 'Cancel' and 'Save' buttons. A hand icon points to the 'Save' button.
- Screen 3 (Right):** Shows the 'Choose installation' screen. It has a red header with the FENIX logo and a home icon. Below the header, it says 'Choose installation' and 'My home' in a text field with a plus sign. Below that, there is a list item with a house icon and the text 'My home', which is highlighted with a red border and a blue arrow pointing left. Below the list is the 'Choose room' section with 'No room in this installation' and a plus sign. At the bottom, there is a 'Device name' field and a 'Save' button. A large blue arrow points left from the 'My home' list item to the 'Save' button.


A callout box at the bottom left contains a lightbulb icon and the text: "You can change image associated with your installation". A blue arrow points from this callout box to the first image thumbnail in the 'Add installation' screen.

3 – How to connect your TFT Wifi ?

- Step 5 : Create your room

The screenshots illustrate the following steps:

- Adding a room:** The user is in the 'Adding a room' screen for 'My home'. They can select an image, enter a title (e.g., 'Room1'), choose a room type (e.g., 'Various'), and enter a device name. A 'Save' button is visible.
- Choose installation:** The user selects 'My home' as the installation.
- Choose room:** The user selects 'Room 1' as the room.

 You can change the type of room and image associated with your room

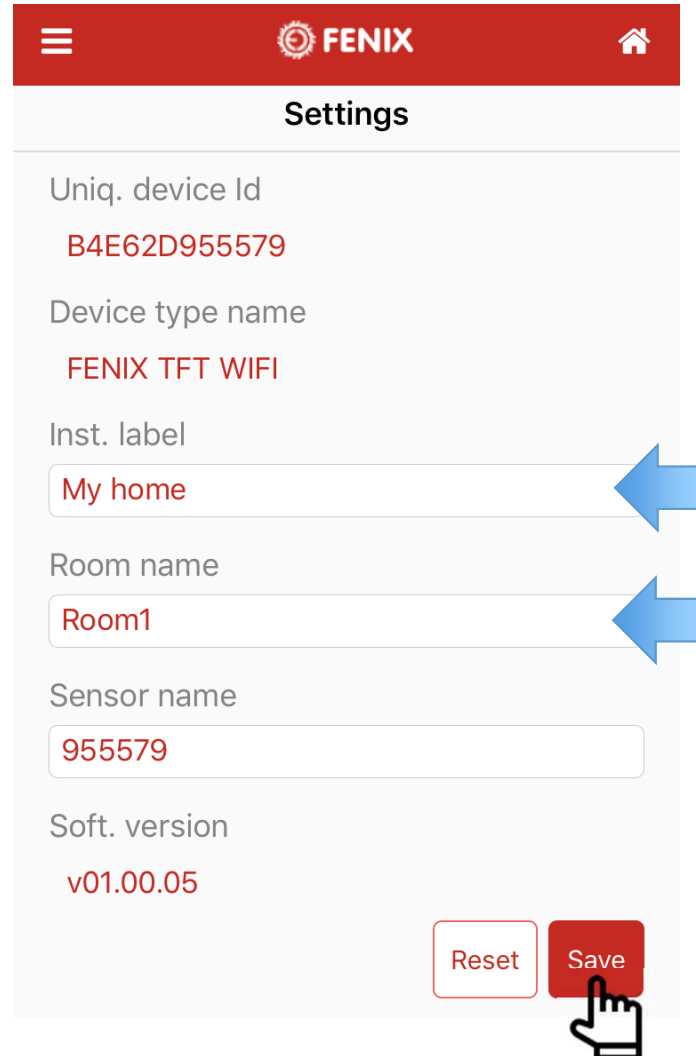
3 – How to connect your TFT Wifi ?

- Optionnal : set a device name

The screenshot displays the FENIX mobile application interface. At the top, there is a red navigation bar containing a menu icon, the 'FENIX' logo, and a home icon. Below this, the app is divided into three main sections. The first section, 'Choose installation', features a text input field containing 'My home' and a red plus icon to its right. Below the input is a selected item card with a house icon and the text 'My home'. The second section, 'Choose room', has a text input field with 'Room1' and a red plus icon. Below it is a selected item card with a room icon, the text 'Room1', and three dots. The third section, 'Device name', contains a text input field with the number '95579'. A blue arrow points to this input field. At the bottom right of the screen is a red 'Save' button with a hand icon pointing to it.

3 – How to connect your TFT Wifi ?

- Step 5 : Check device's settings



The screenshot shows the 'Settings' screen of the FENIX application. The interface is white with a red header bar containing a menu icon, the 'FENIX' logo, and a home icon. The settings are listed as follows:

- Uniq. device Id: B4E62D955579
- Device type name: FENIX TFT WIFI
- Inst. label: My home (with a blue arrow pointing to the input field)
- Room name: Room1 (with a blue arrow pointing to the input field)
- Sensor name: 955579
- Soft. version: v01.00.05

At the bottom right, there are two buttons: 'Reset' and 'Save'. A hand icon is pointing to the 'Save' button.

3 – How to connect your TFT Wifi ?

- Step 6 : Wifi connection, wait scan wifi is finished, select your network and enter password

Connect to a wifi network Skip

Wifi name (SSID) Wifi scan in progress

Wifi password Wait...

Use WPS

Save

Connect to a wifi network Skip

Wifi name (SSID) WIEUMobile

Wifi password

Use WPS

Save

Connect to a wifi network Skip

Wifi name (SSID) WIEUMobile

Wifi password

Use WPS

Save

Done

ESP_CBF8D5
dlink
WIEUMobile
WIEUOffice
wwt-IoT
WIEUGuest
WIEUProduction

Passwords

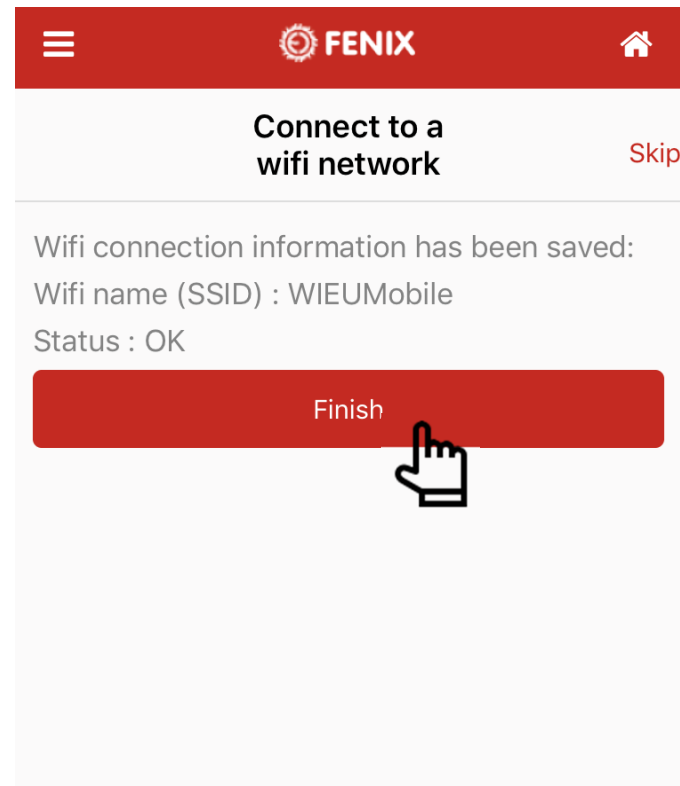
a z e r t y u i o p
q s d f g h j k l m
w x c v b n ' < >
123 espace retour

WPS connection is also available :

Just click on « use WPS » and device will switch in WPS for 2 mins


3 – How to connect your TFT Wifi ?

- Step 7 : Last device check. Click on « Finish » and the TFT will automatically switch in connected mode



3 – How to connect your TFT Wifi ?

- Your device is connected if :

Wi-Fi connected 



SSID : MyFavouriteSSID

IP : 192.168.1.2

STATUS : 06/06

Cloud connected

MAC : B4:E6:2D:12:34:AB

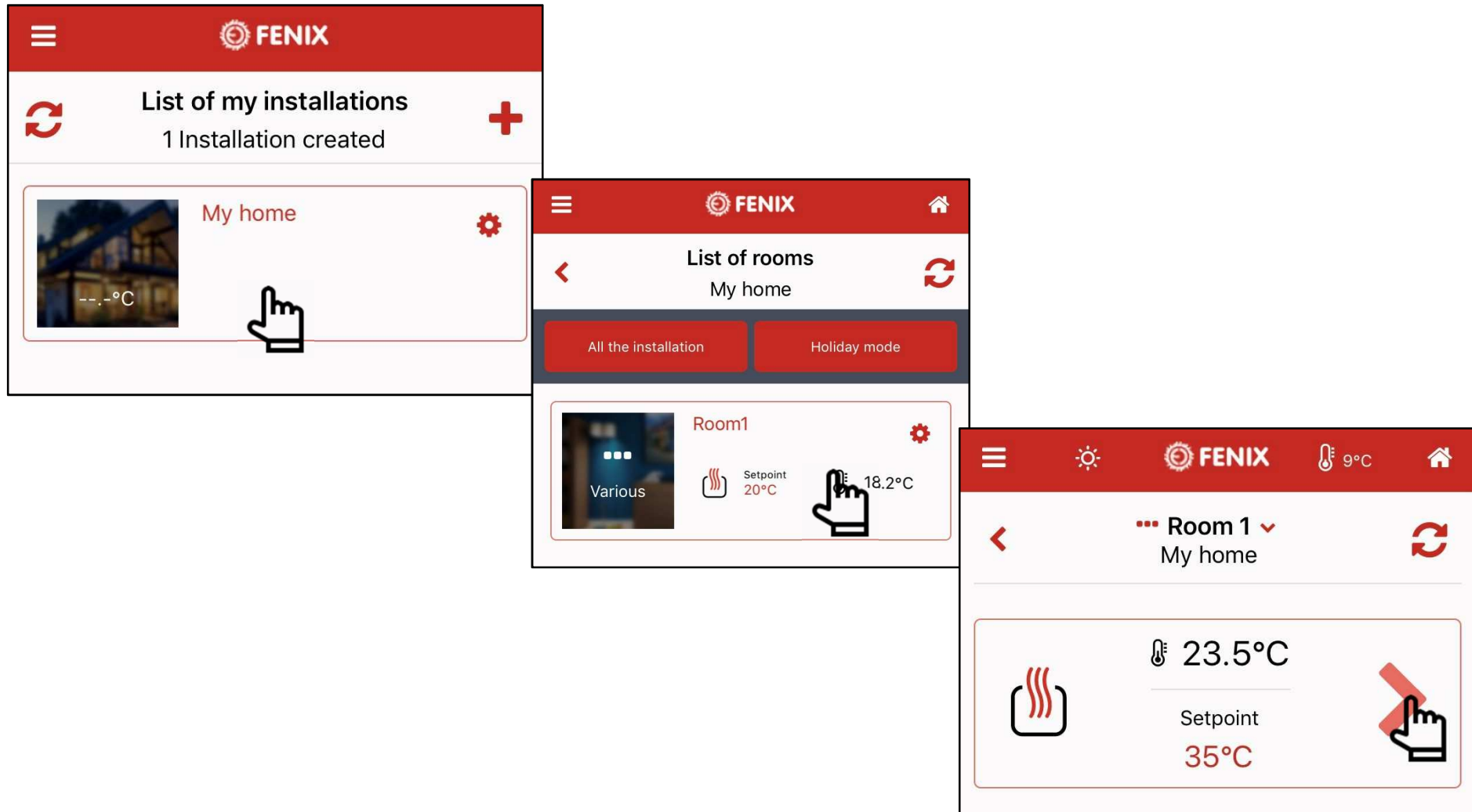
The screenshot shows the 'List of my installations' screen in the FENIX app. At the top, there is a red header with the FENIX logo and a menu icon. Below the header, the title 'List of my installations' is displayed, followed by '1 Installation created'. A red refresh icon is on the left, and a red plus icon is on the right. The main content area features a card for 'My home' with a photo of a house, a temperature display '---, -°C', and a gear icon for settings. A hand cursor is shown pointing at the card.

The screenshot shows the 'List of rooms' screen in the FENIX app. It has a red header with the FENIX logo, a home icon, and a menu icon. Below the header, the title 'List of rooms' is shown, followed by 'My home'. There are back and refresh icons. Two red buttons are visible: 'All the installation' and 'Holiday mode'. The main content area features a card for 'Room1' with a photo of a room, a gear icon for settings, and a temperature display 'Setpoint 20°C' and '18.2°C'.

4 - Main features

4 - Other app features

- Change mode / setpoint



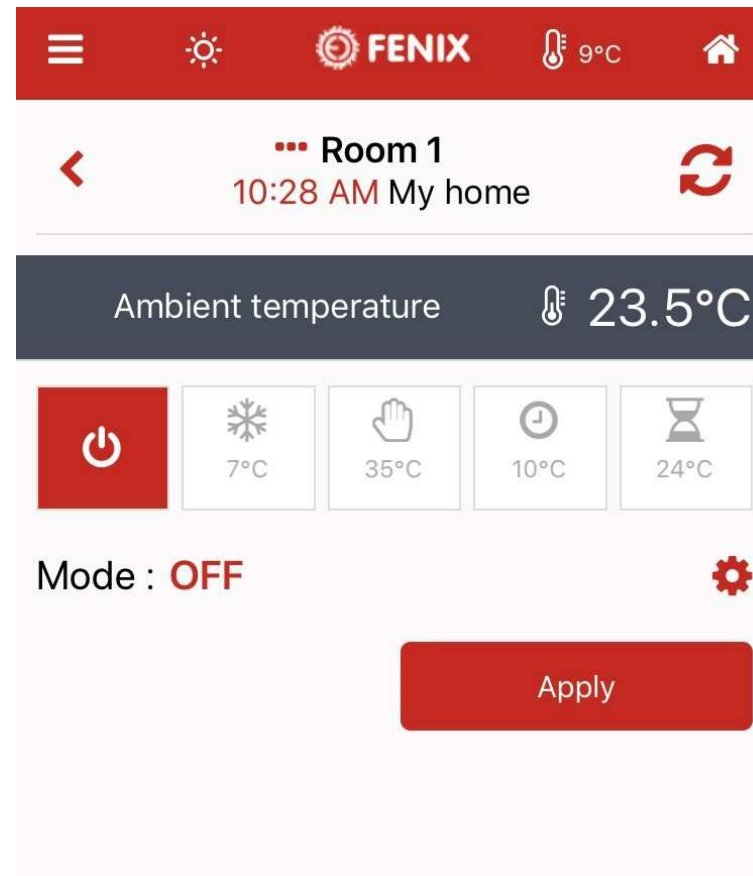
4 - Other app features

- Manual mode



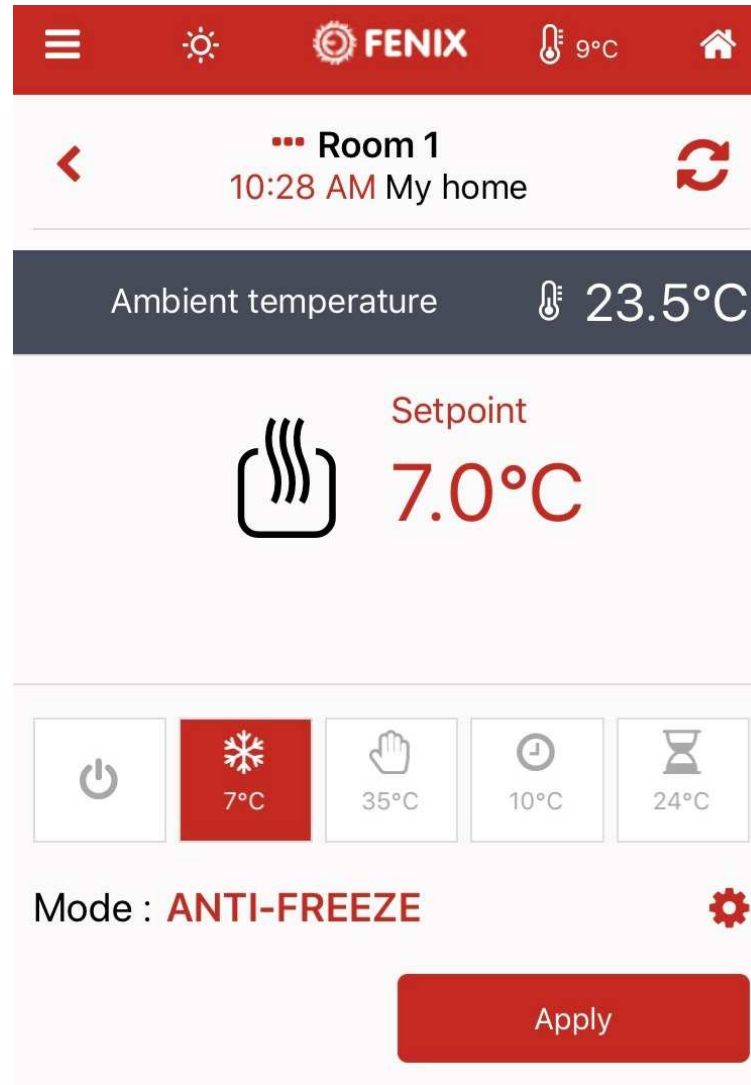
4 - Other app features

- OFF mode



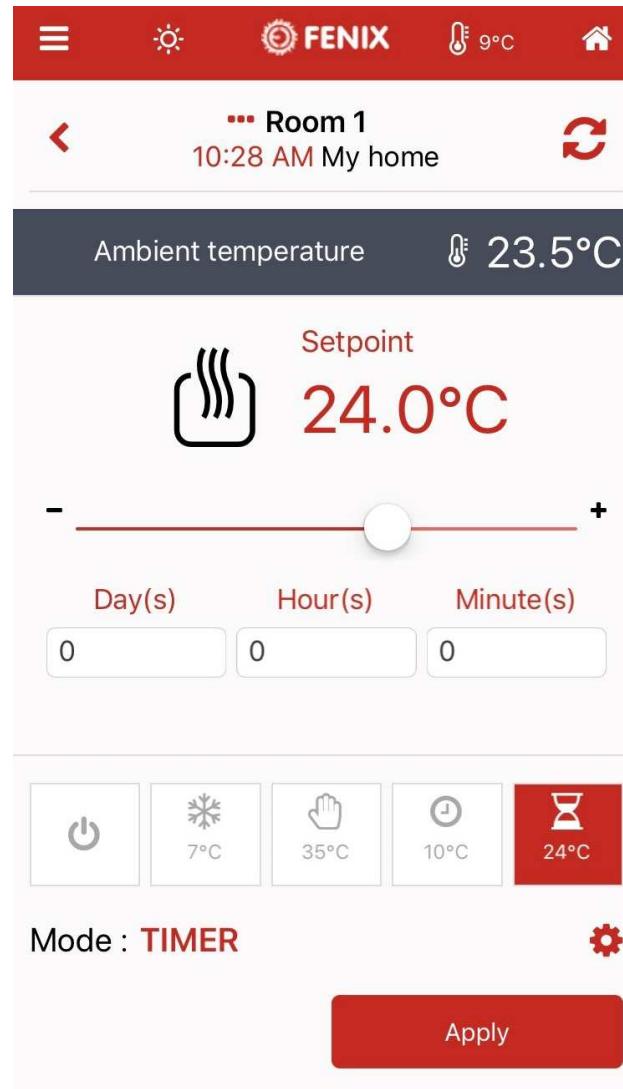
4 - Other app features

- Anti-freeze mode



4 - Other app features

- Timer mode



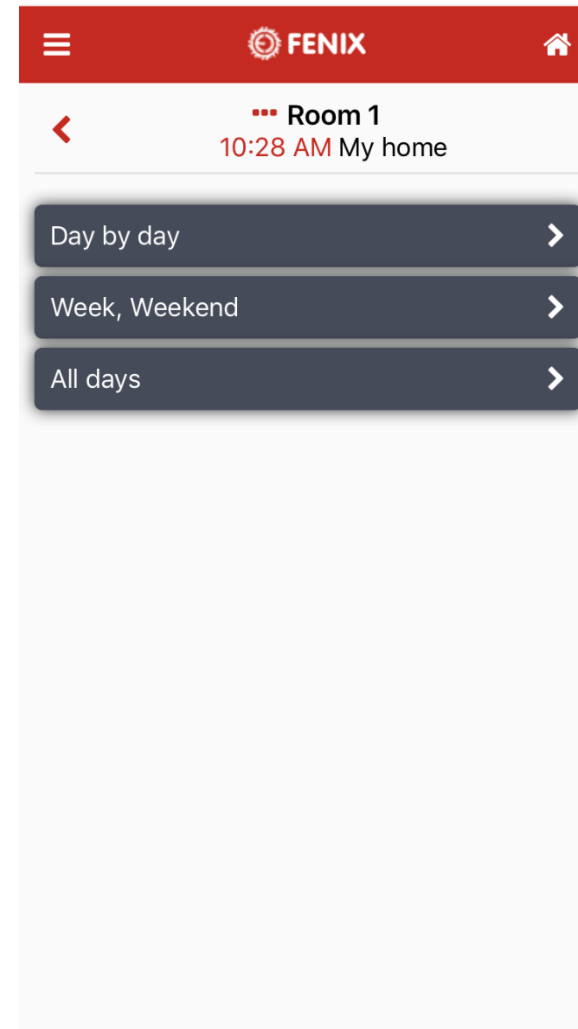
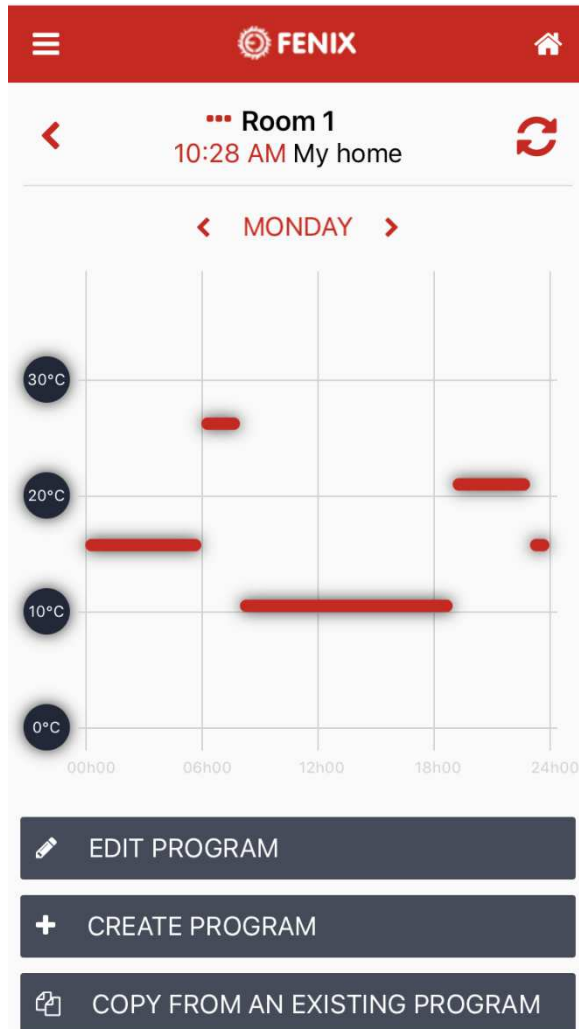
4 - Other app features

- Program mode



4 - Other app features

- Create program



4 - Other app features

- Create program

FENIX Room 1 10:28 AM My home

Concerned days

Levels

Lev. 1 0:00 - 24:00 20°C

End hour : 23:59

SPLIT LEVEL

FENIX Room 1 10:28 AM My home

Levels

Lev. 1	0:00 - 6:00	18°C
Lev. 2	6:00 - 8:00	21°C
Lev. 3	8:00 - 18:00	18°C
Lev. 4	18:00 - 24:00	21°C

End hour : 18:00

The program has been saved!

FENIX Room 1 10:28 AM My home

MONDAY

30°C
20°C
10°C
0°C

00h00 06h00 12h00 18h00 24h00

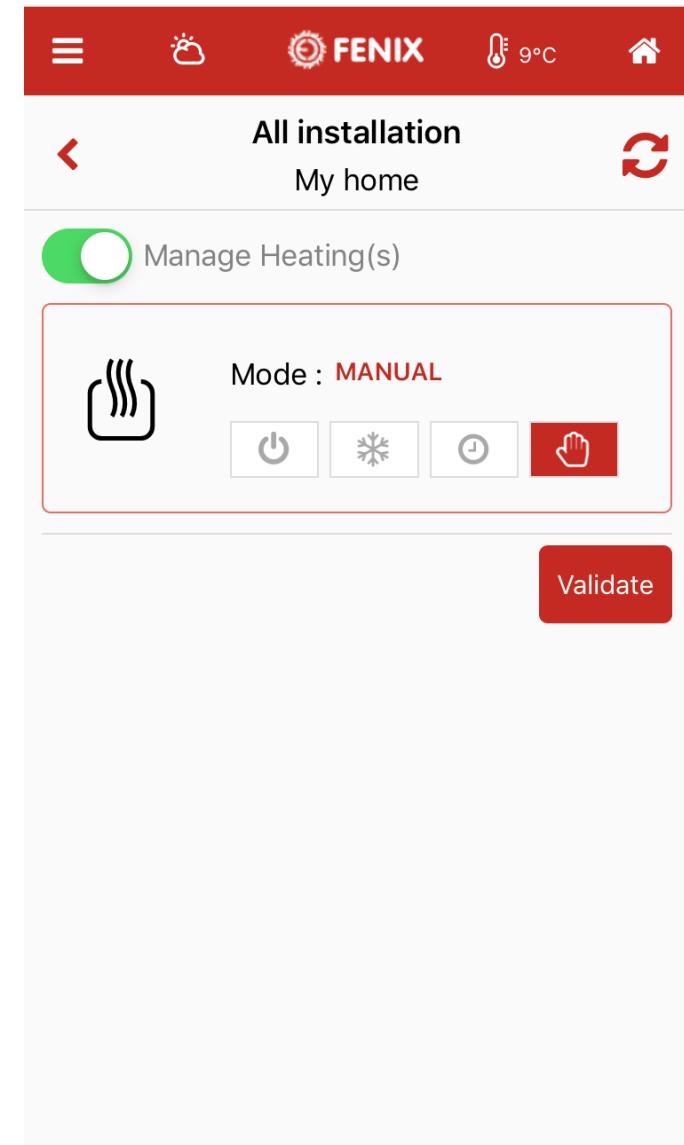
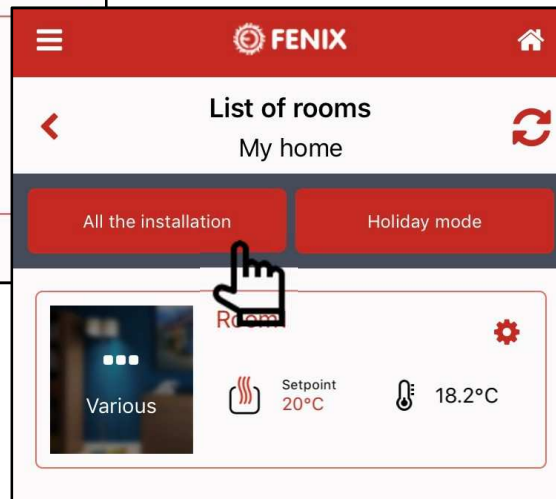
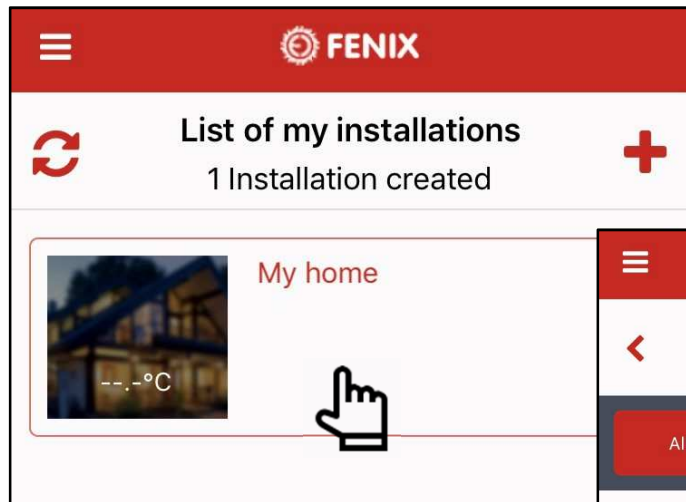
EDIT PROGRAM

CREATE PROGRAM

COPY FROM AN EXISTING PROGRAM

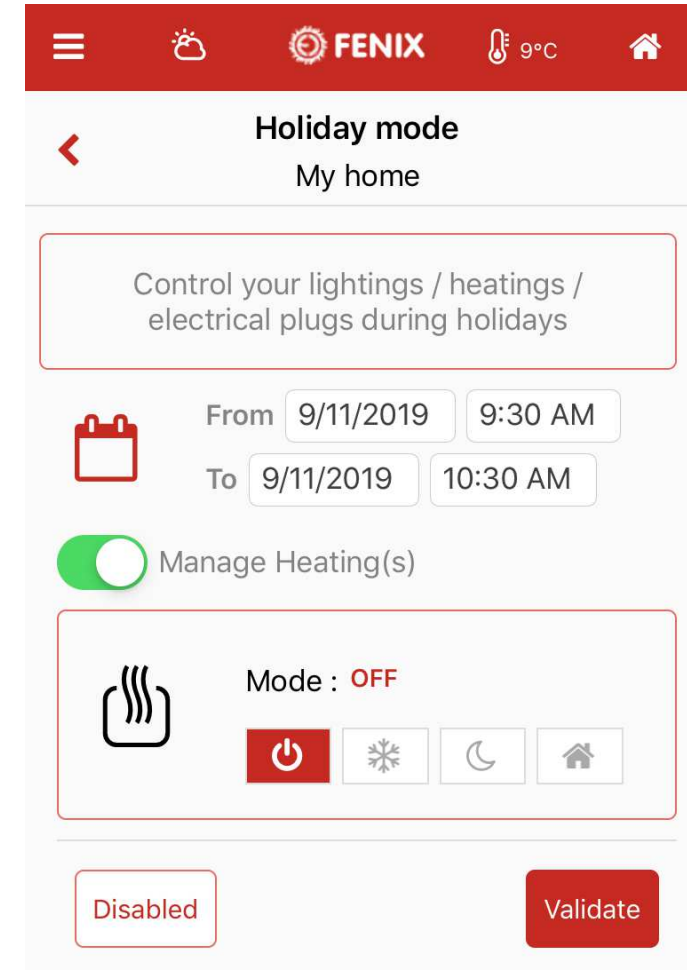
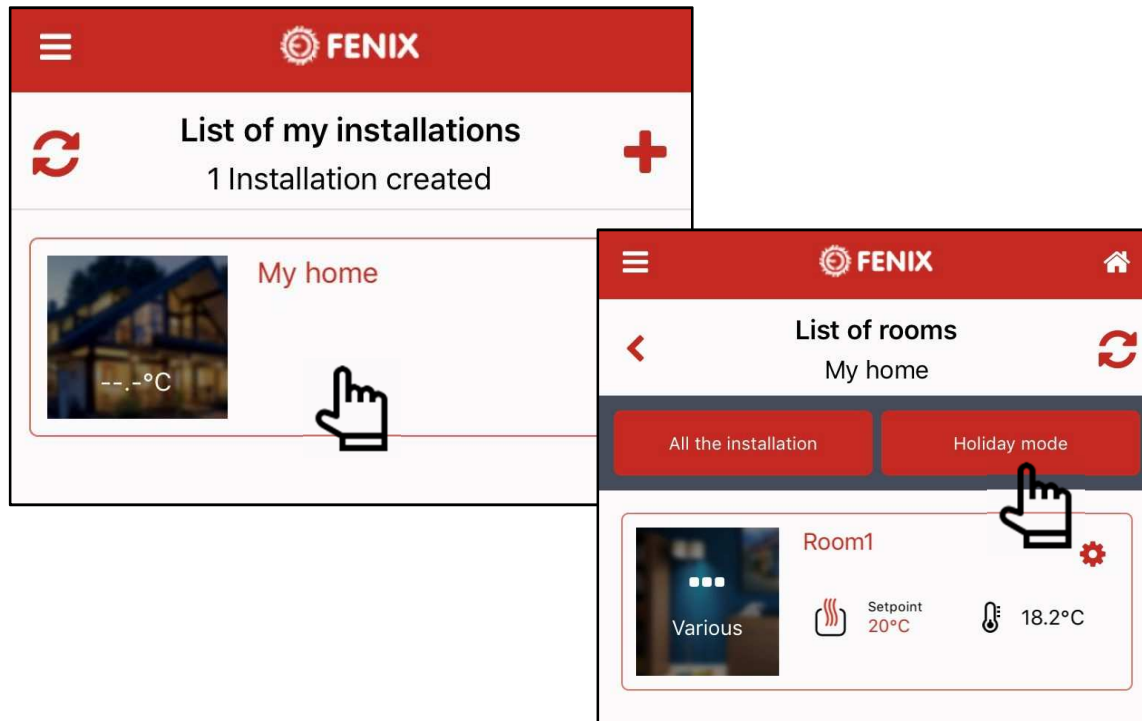
4 - Other app features

- All installation



4 - Other app features

- Holiday

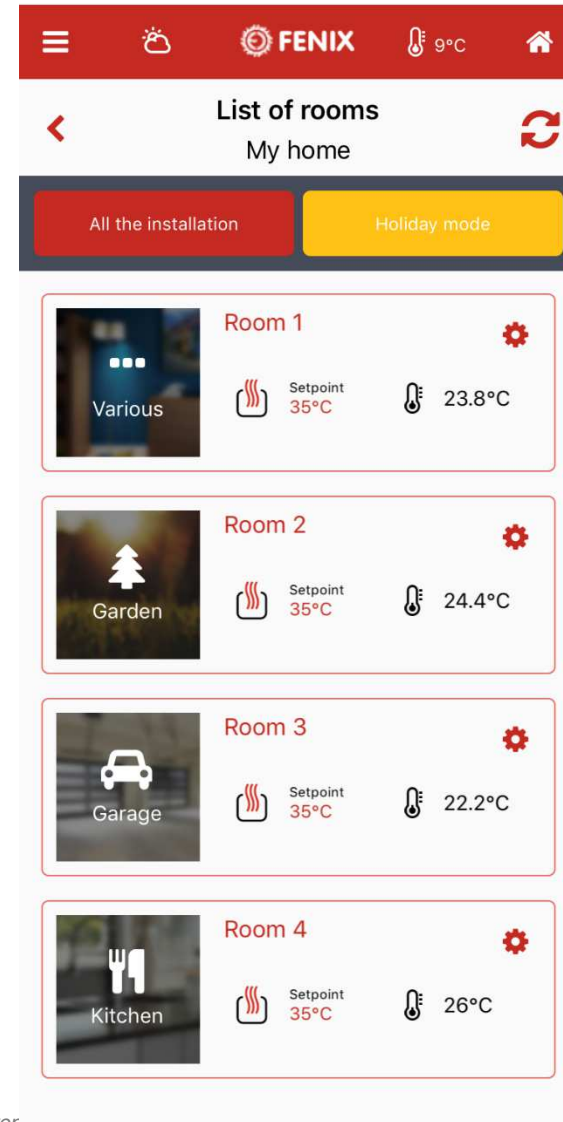
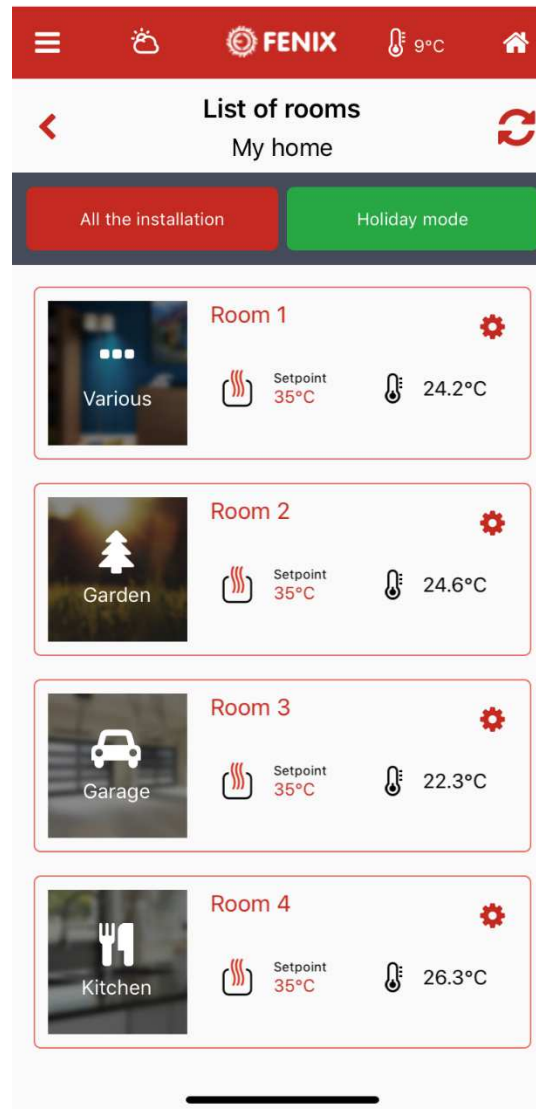


4 - Other app features

- Holiday

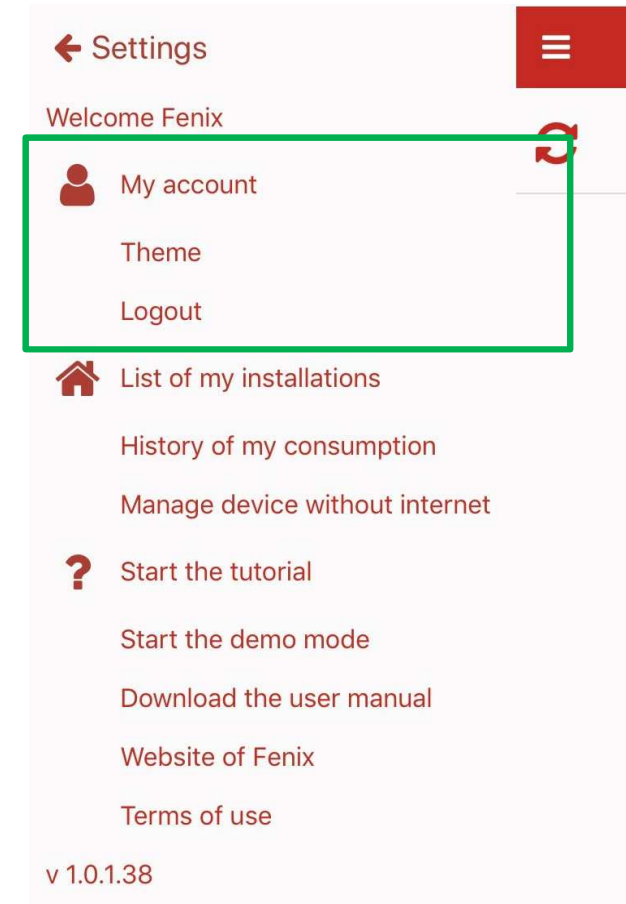
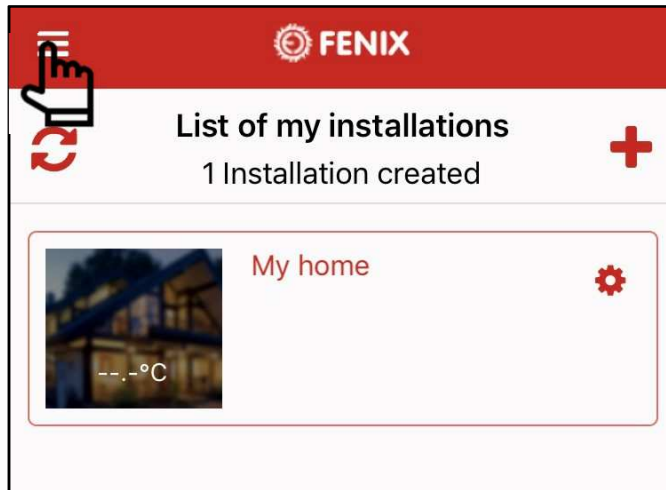
green = will run

yellow = is running



5 - Other app features

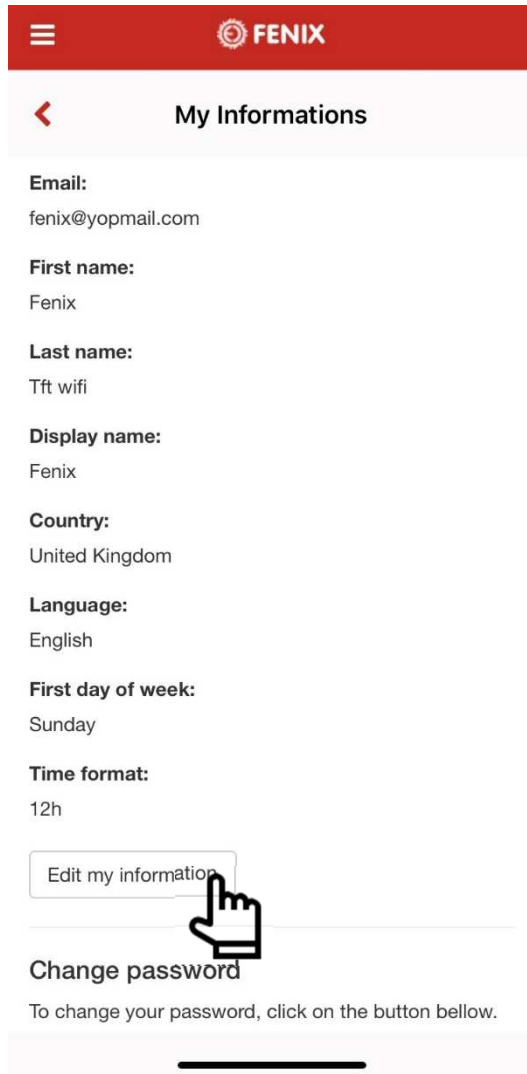
4 - Other app features



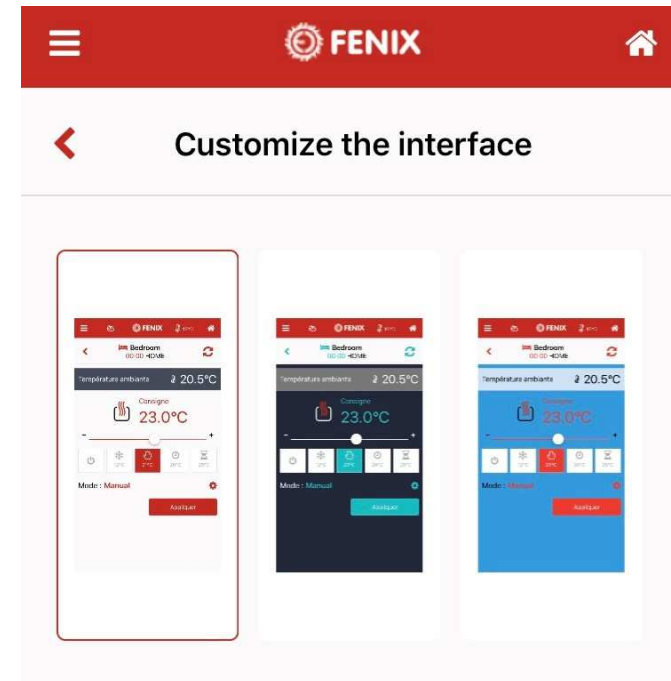
- Menu part :
 - My account : Set Name, language, time format and change password
 - Theme : 3 themes available (color background)
 - Logout

4 - Other app features

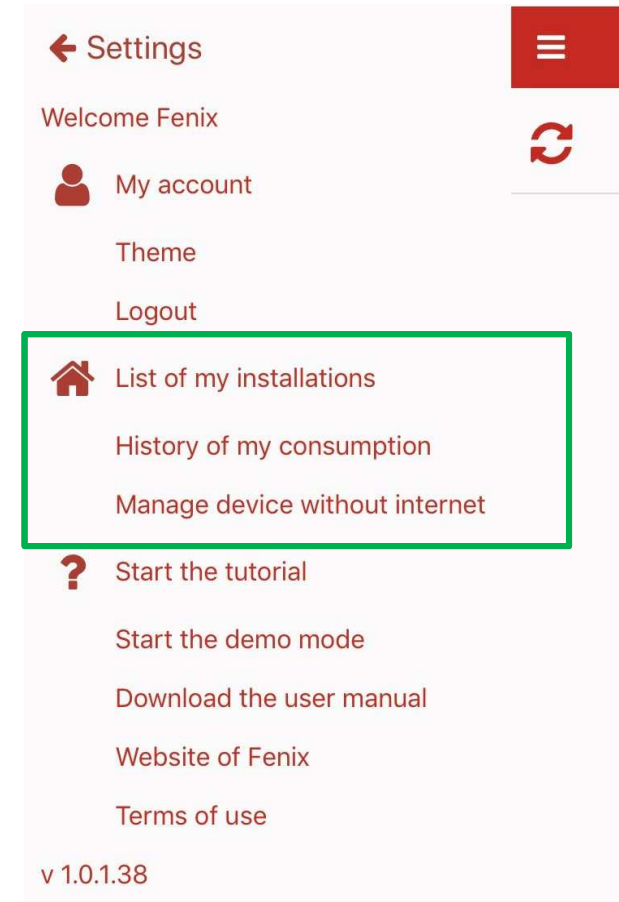
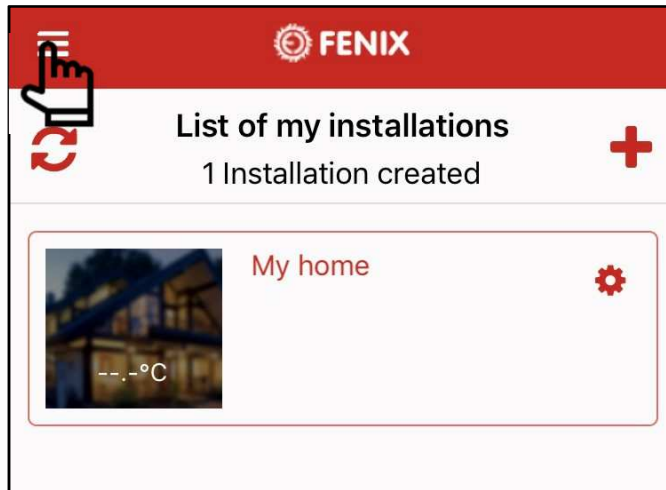
- My account :



- Themes



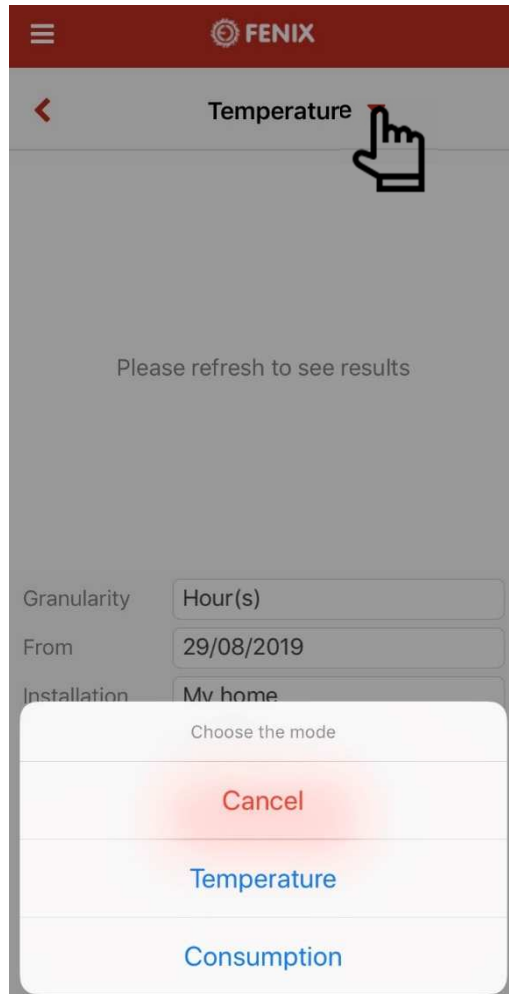
4 - Other app features



- Menu part :
 - List of my installations : refresh your list of installation
 - History of my consumption : graph of historical datas like temperature and consumption
 - Manage device without internet : Allow direct connection to your device (example : update wifi settings)

4 - Other app features

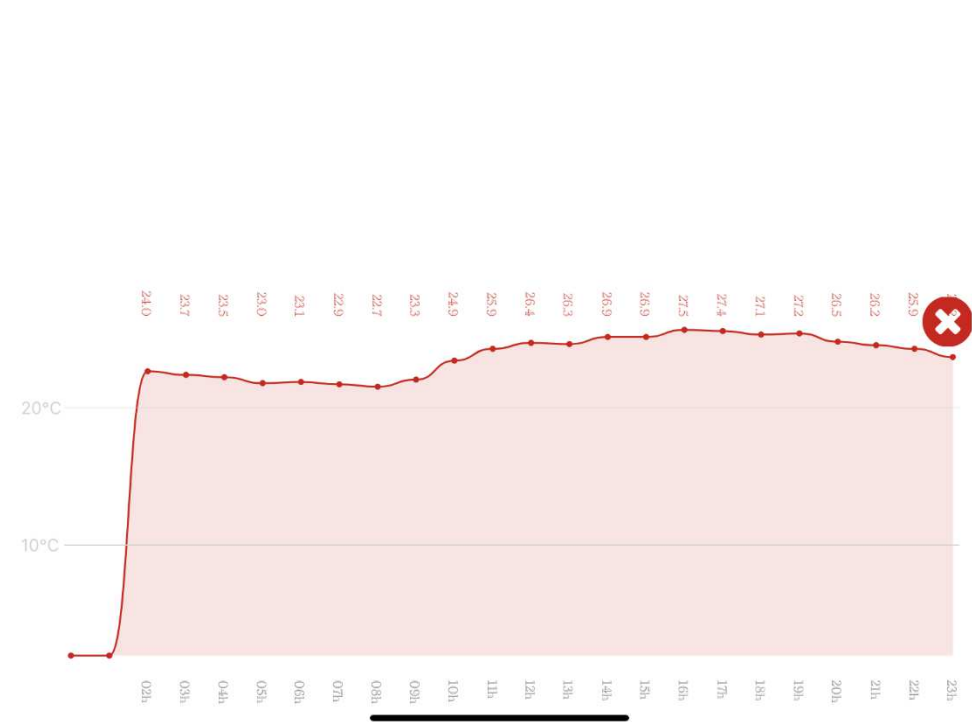
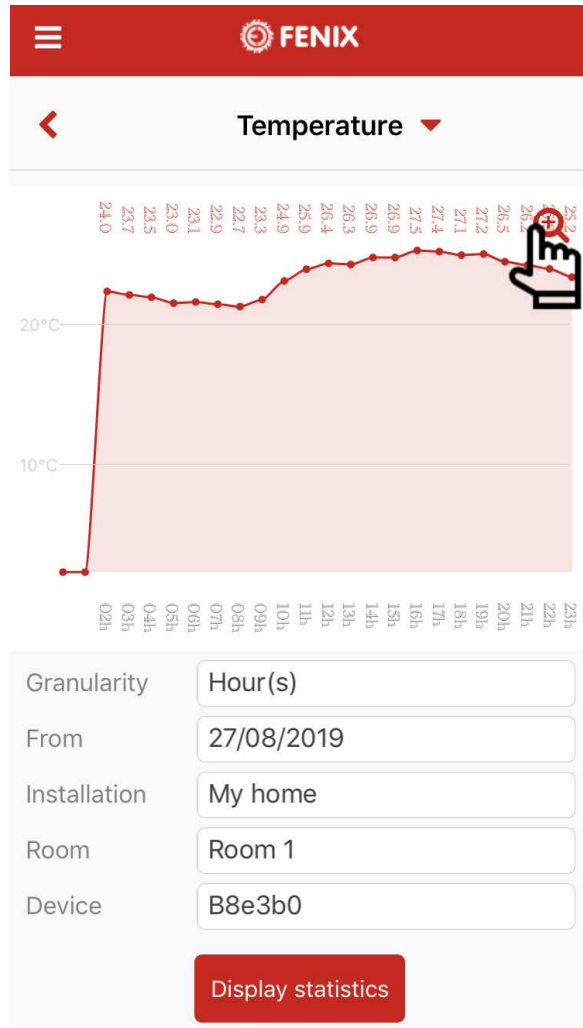
- Historical datas



- Select the mode :
 - Temperature :
 - Return data for 1 device, from 1 room and from 1 installation. You must each of these parameters to have your graphical
 - Consumption :
 - it's cumulatif values : You can have a graphical either for 1 device or the sum of each devices from 1 installation

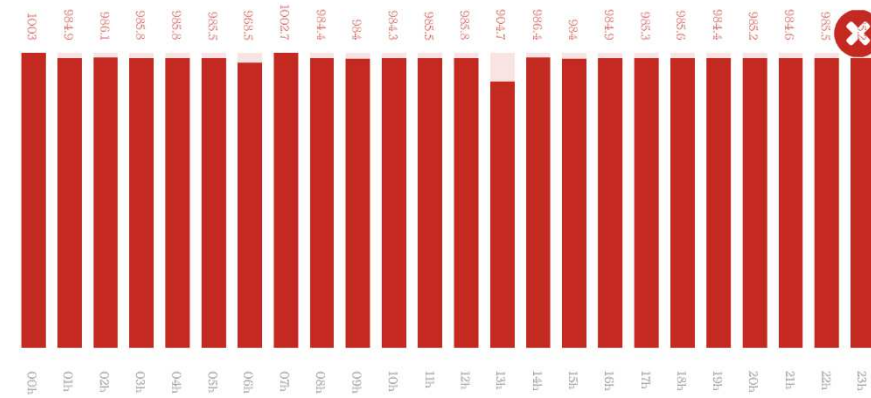
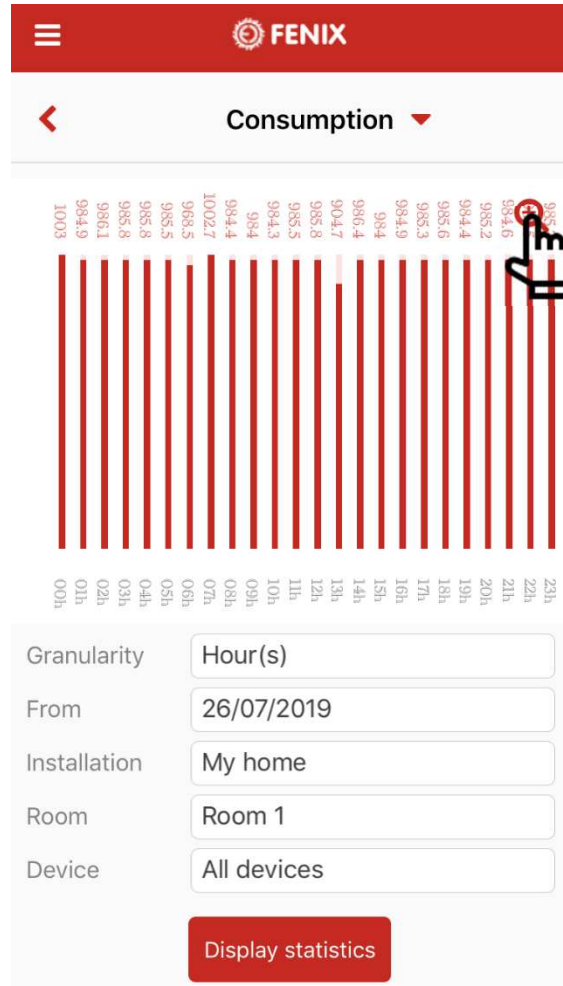
4 - Other app features

- Historical datas - temperature:



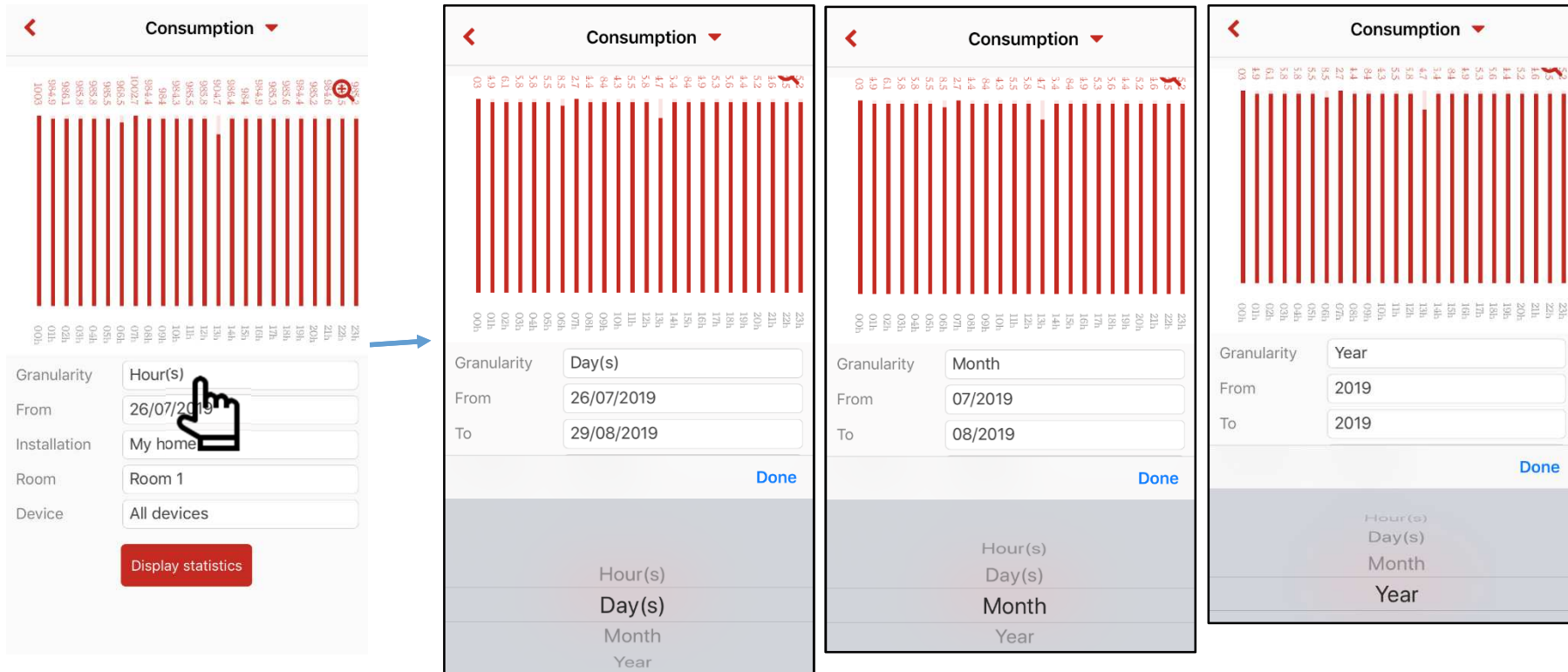
4 - Other app features

- Historical datas - temperature:



4 - Other app features

- Historical datas – 4 granularities :



Hours, days, months, years

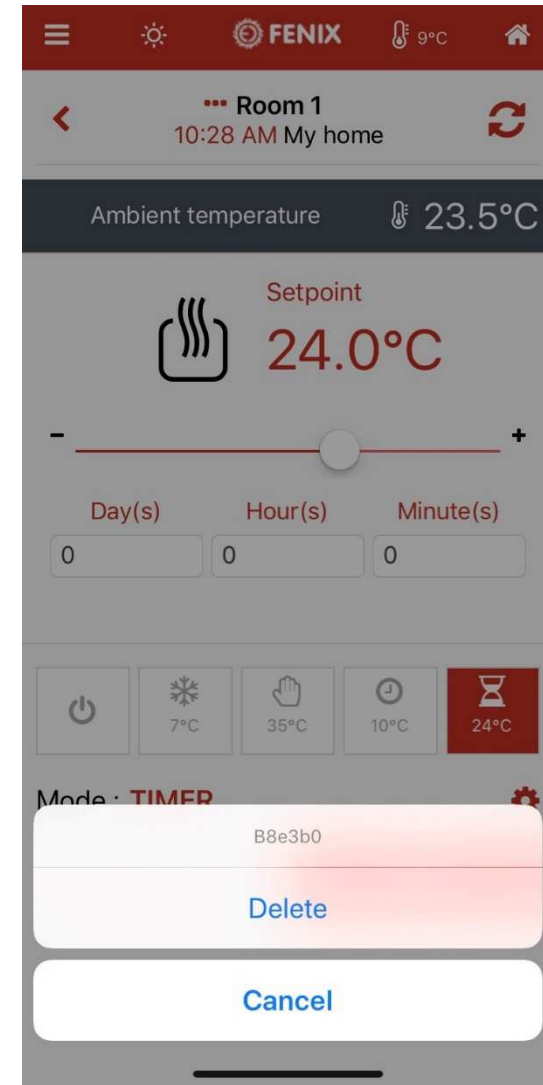
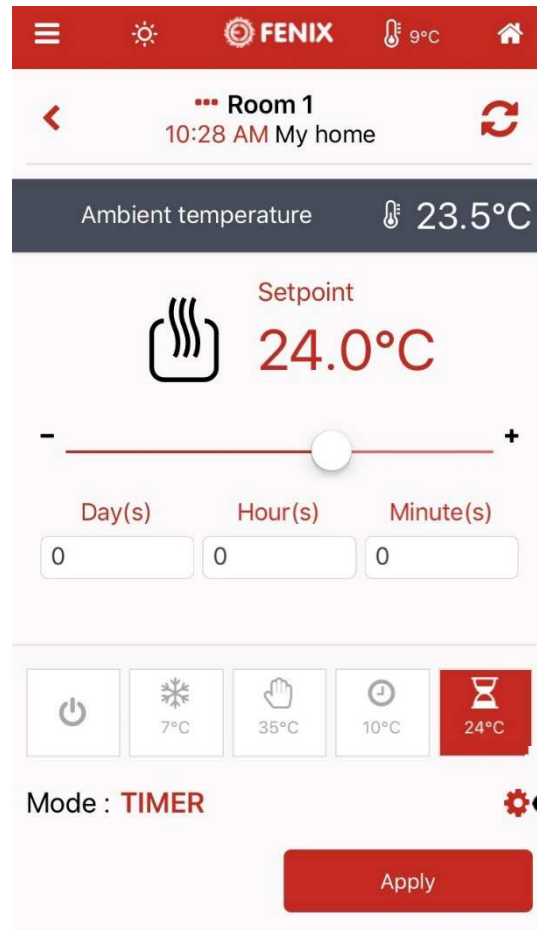


Thanks for your attention !

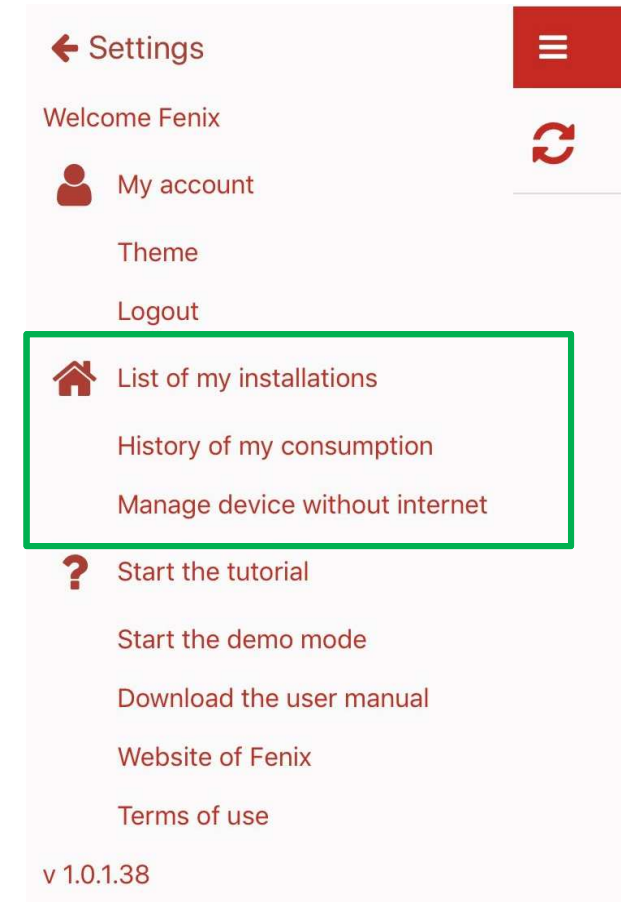
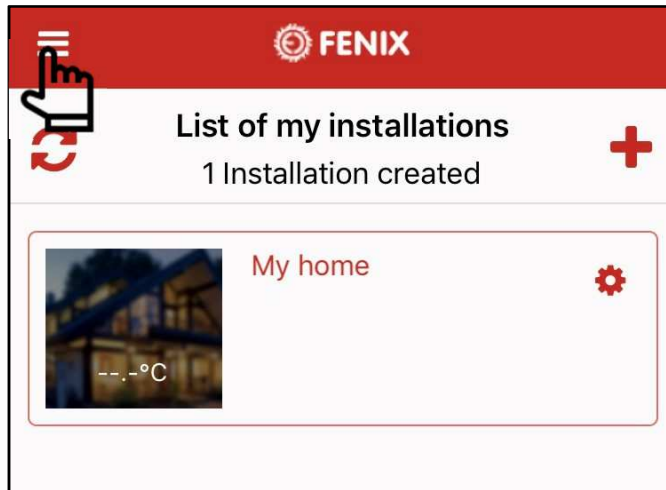
Enjoy all the features of your new solution
FENIX TFT Wi-Fi

4 - Other app features

- Suppress device



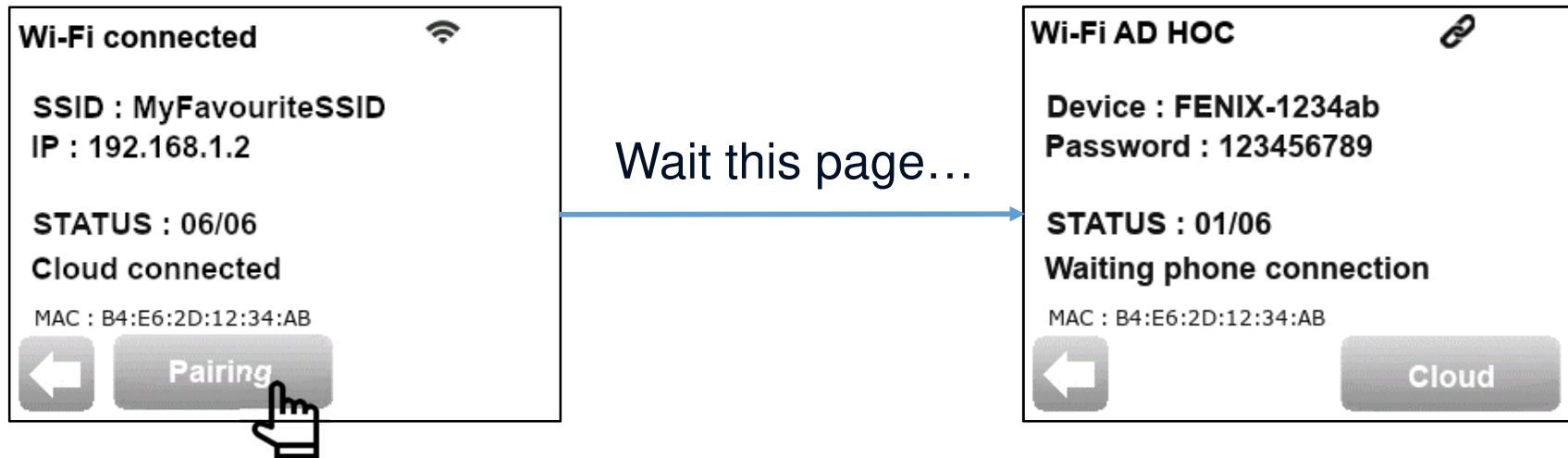
4 - Other app features



- Menu part :
 - List of my installations : refresh your list of installation
 - History of my consumption : graph of historical datas like temperature and consumption
 - Manage device without internet : Allow direct connection to your device (example : update wifi settings)

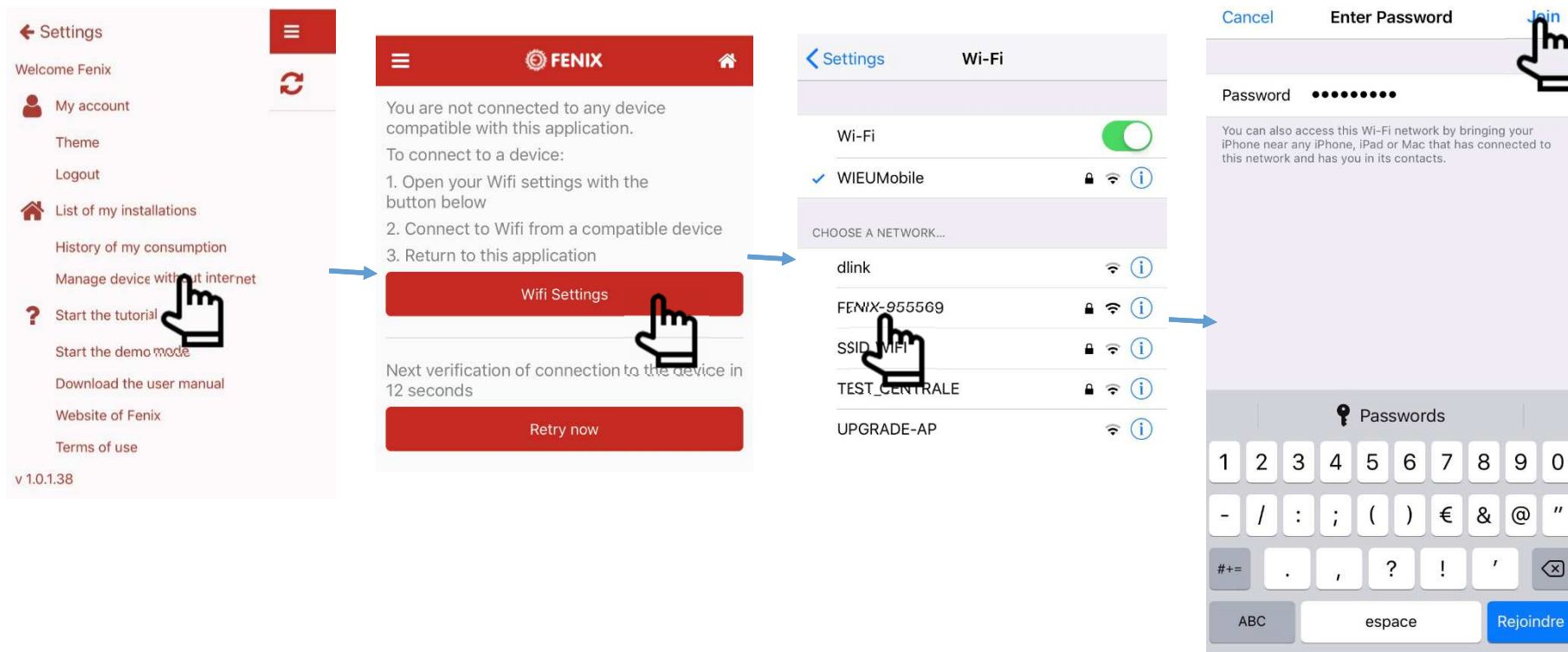
4 - Other app features

- Change Wi-Fi settings



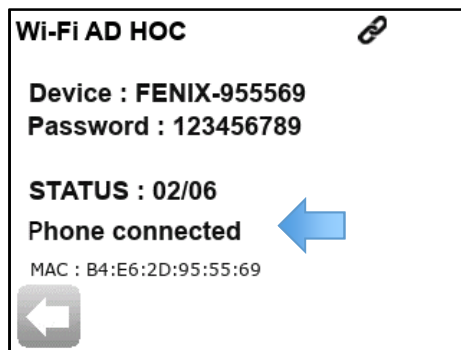
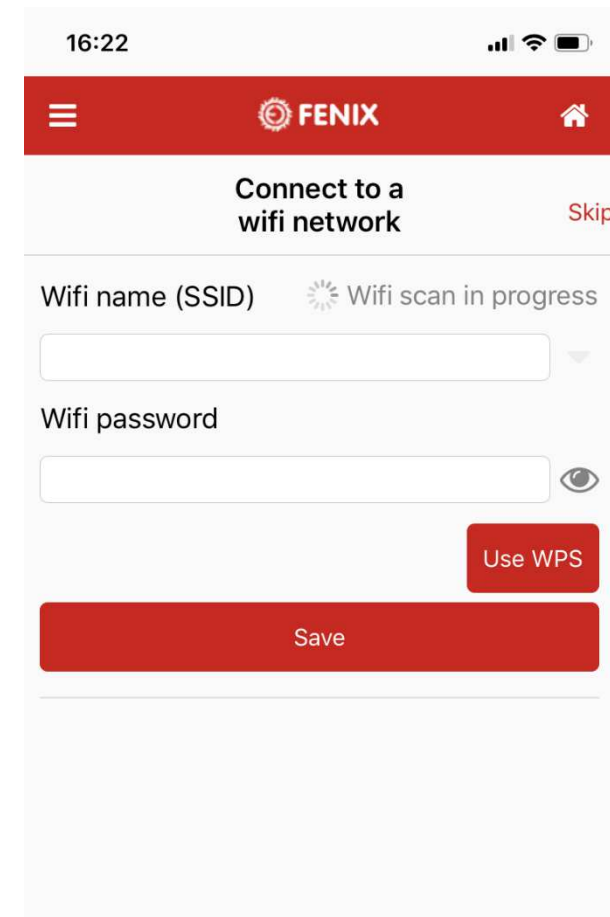
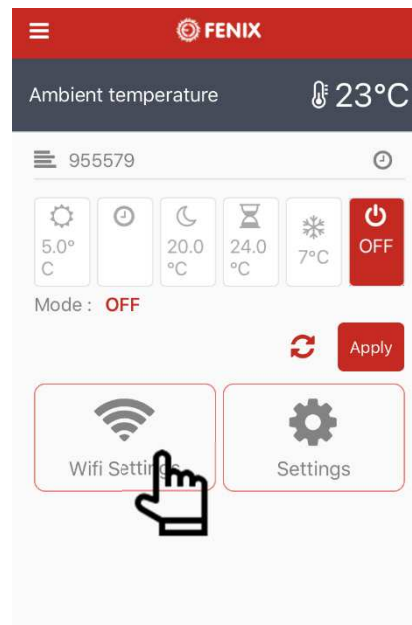
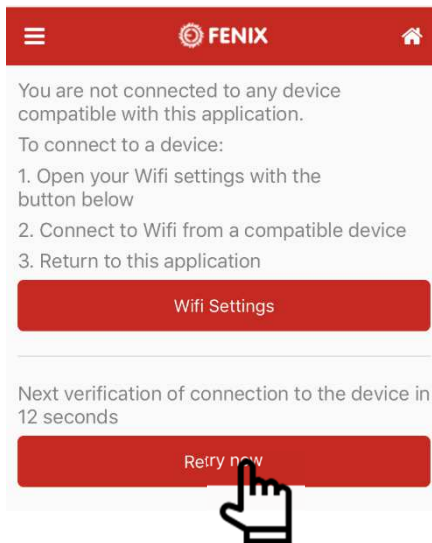
4 - Other app features

- Manage without internet : connect to your device



4 - Other app features

- Manage without internet – check if it's ok and click on « retry on »:




- Sign in failed because :
 - Not received confirmation/reset email :
 - Check your spam box
 - Update your mail box (push/pull mails)
 - Wait more than 5 min after your registration, it could be quiet long
 - Wrong password or password forget
 - Reset your password with « forget your password » button and check your mail. If you don't have received email, check previous issues « Not received confirmation/reset email »

- Sensor measurement error
Check external sensors values and settings in « sensors types »: could be 10k, 12k or 15k sensors

- To complete with your feedback...



- Click on « wifi » menu :


Wi-Fi AD HOC 

Device : FENIX-1234ab
Password : 123456789

STATUS : 01/06
Waiting phone connection

MAC : B4:E6:2D:12:34:AB



 

Wi-Fi connected 

SSID : MyFavouriteSSID
IP : 192.168.1.2

STATUS : 06/06
Cloud connected

MAC : B4:E6:2D:12:34:AB



Not present for the first configuration

- Click on « wifi » menu – Connected mode :

Connection type :

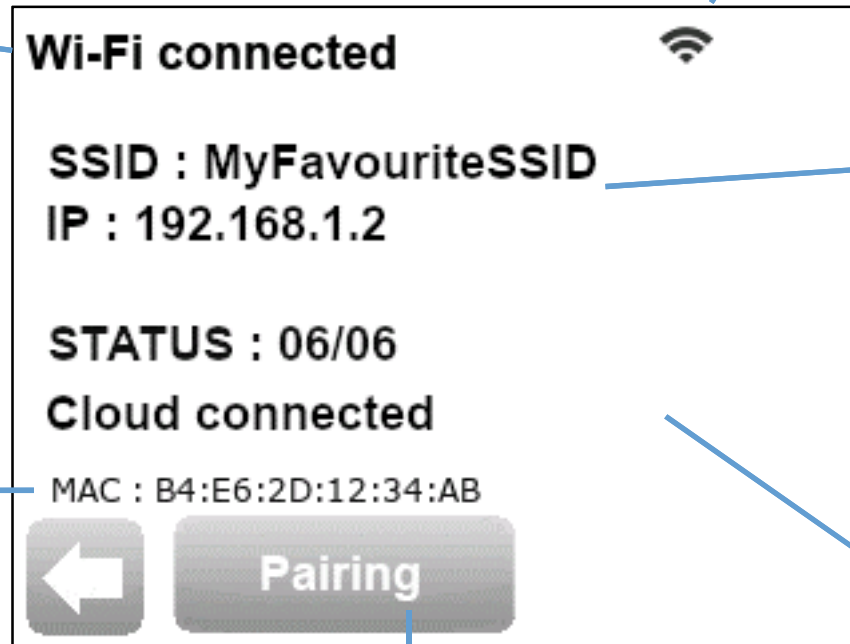
- Ad hoc : direct link between smarphone and app
- **Connected** : device linked to the cloud

Connection type icon
connected icon here

Network wifi parameters :

- Unique SSID
- Device's IP address

Mac address



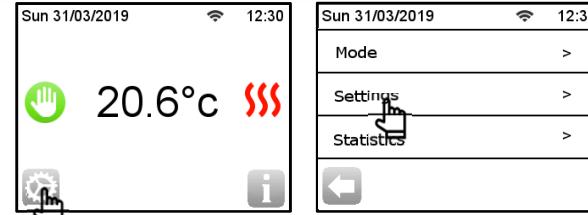
Connection status – 6 status for **Ad hoc** or **cloud**:


1. **Waiting phone connection**
2. **Phone connected**
3. **Unused**
4. **Waiting IP address**
5. **Waiting Cloud connection**
6. **Cloud connected**

To switch on ad-hoc mode


Heating mode


- 6 heating modes:




 **Manual** : set a setpoint (5°C – 35°C) and the thermostat will regulate on it.





 **Timer** : set a setpoint  and period 

 **Off** : no heating, but thermostat stay supplied.

 **Anti-freeze** : set a low setpoint (2°C – 15°C) and the thermostat will regulate on it.

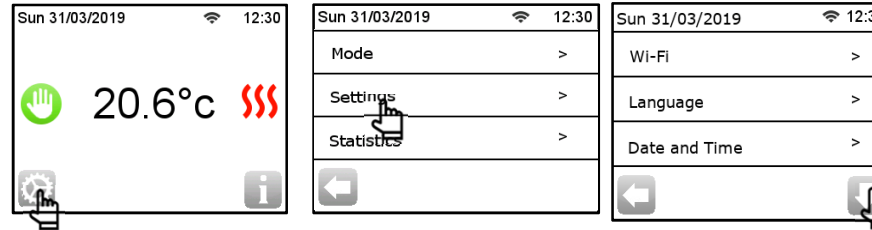
 **Program** : you can use or create a weekly program, with max 10 different periods and setpoints per day. 3 of them are created by default and unmodifiable, 4 of them are customizable by the user.

 **Vacation** : define a return date while one of 4 modes are activated :

Off , **anti-freeze** , **reduce** (setpoint configurable) , **Sunday** 
(follow each

day the Sunday weekly program



- 6 menus :



- **Wifi** : check device wifi parameters (will be describe later...)
- **Language** : 7 languages availables currently (will be extended to 17)
- **Date and time** : set date / time, active DST (= Daylight Taving Time). In connected mode, adjust your UTC time zone and the date and time is automatically update from internet
- **Display** : set some displays parameters (background color, sceen lock, degree format, time format, OFF screen period,...)
- **Installation** : set sensor and regulation parameters (will be describe later...)
- **Reset** :
 - Reset : Reset product settings
 - Reset Wifi : Reset Wifi settings

- « display » menu :



- Color : 2 colors availables Black / White.
- Clean screen : set 30sec delay to clean screen safety, without click any button 
- Screen lock : set lock screen. to unlock, long press (~15sec) on  the main screen
- Floor temperature display : allow the display of a second temperature on the main screen (if 2 temperature sensors are configurable on the TFT, a second temperature (= floor temperature) is displayed below the heating flag, on the main screen)
- Degree format : set temperature in °C or °F
- Time format : set time in 24h or 12h (=AM/PM)
- OFF screen period : set period while the backlight will be off (by default, 20h00 -> 7h00)

- « installation » menu :

- Sensor :

- Sensor Calibration : adjust measure between +/-5°C
 - Ext. sensor type : select sensor type between values : 10K - 12K - 15K

- Regulation :

- Sensor Regulation : 5 regulation modes, depends on sensor connected (air, floor, Air+floor, Air + floor (ext), air+ floor(x2))
 - Regulation type : 2 types : ON/OFF – PID
 - Floor limit : set value min and max of the floor limit : min 5°C – 25°C, max 25°C – 45°C
 - First heating : start a first heating period (3 types : wood, concrete, ceiling)
 - Smart start : concern only the program, set if smart start is allow
 - Open window function : set if open window is allow
 - External contact : set if load is connected to an external contact



- In statistics :
 - View :
 - Current day
 - Current and 24 last months
 - Current and 2 last year

 - kWh Price : set the money and the price of the kWh to allow correct stats values

 - Heating power : set the power of the load driven by the thermostat to allow correct stats values