NEOMITIS®

Creating innovative solutions for ambient comfort

CONTROLLED BY VOICE THANKS TO MYNEOMITIS

works with the Google Assistant

Compatible with Amazon Alexa

DIRECTLY
CONNECTABLE TO INTERNET
THROUGH YOUR INTERNET ROUTER, WITHOUT ANY OTHER ACCESSORY

CAN BE REMOTELY-CONTROLLED WITH THE USE OF FREE DOWNLOADABLE APPLICATIONS
MY**NEOMITIS**

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INSTRUCTIONS

FOR INSTALLING AND USING

SMART CONNECTED PROGRAMMABLE ROOM THERMOSTAT RF VERSION WITH TABLE STAND

EXTRA FLAT STYLE - FULL COLOUR TOUCH SCREEN - MULTI-APPLICATION INTERFACE - AUTOMATIC PROGRAMMING WITH SELF-LEARNING PROCESS

myneo *Stat*

Enjoy the remote control! Smart, standalone and connected, the Myneo stat will manage your heating and cooling installation, ensuring your comfort and savings!

TABLE OF CONTENTS

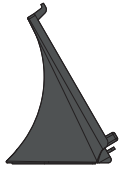
OVERVIEW

Smart connected programmable room thermostat - RF version with table stand.

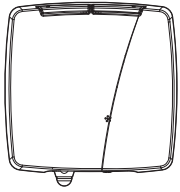
We thank you for deciding to use one of our innovative products.
This connected programmable room thermostat has been made to be easy to use due to its ergonomic, innovative design and large extra flat colour touchscreen.
It was designed and developed to bring you the comfort of heating/cooling and significant energy savings thanks to innovative features: control performance PID (temperature stability), occupancy detection, open window detection, automatic programming, optimisation feature...

PACK CONTAINS

X1
Thermostat



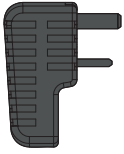
X1
Table stand



X1
Receiver

X1
Instruction manual

X1
USB cable



X1
Power plug

X2
Screw anchors

X2
Screws

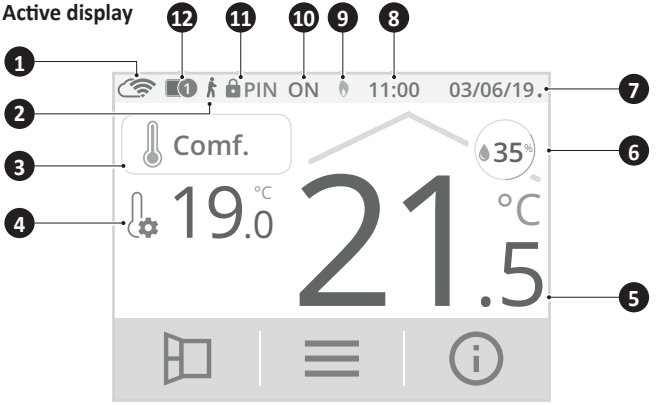
X2
Small screws

X1
Link

DISPLAY AND CONTROLS

A- Indicators:

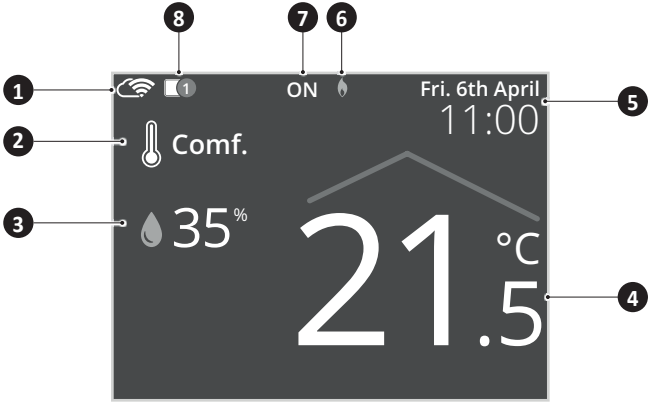
- **Active display**



1. Wifi connection and account login MY**NEOMITIS**
2. Occupancy detection indicator
3. Current operating mode
4. Setting temperature
5. Ambient temperature
6. Humidity rate
7. Date
8. Hour
9. Heating ( ) on or Cooling ( ) on
10. Heat demand (heating) or cold demand (cooling)
11. PIN code lock
12. Receiver(s) connection

• Standby display

Without any action on the thermostat, your device will return to its standby display.



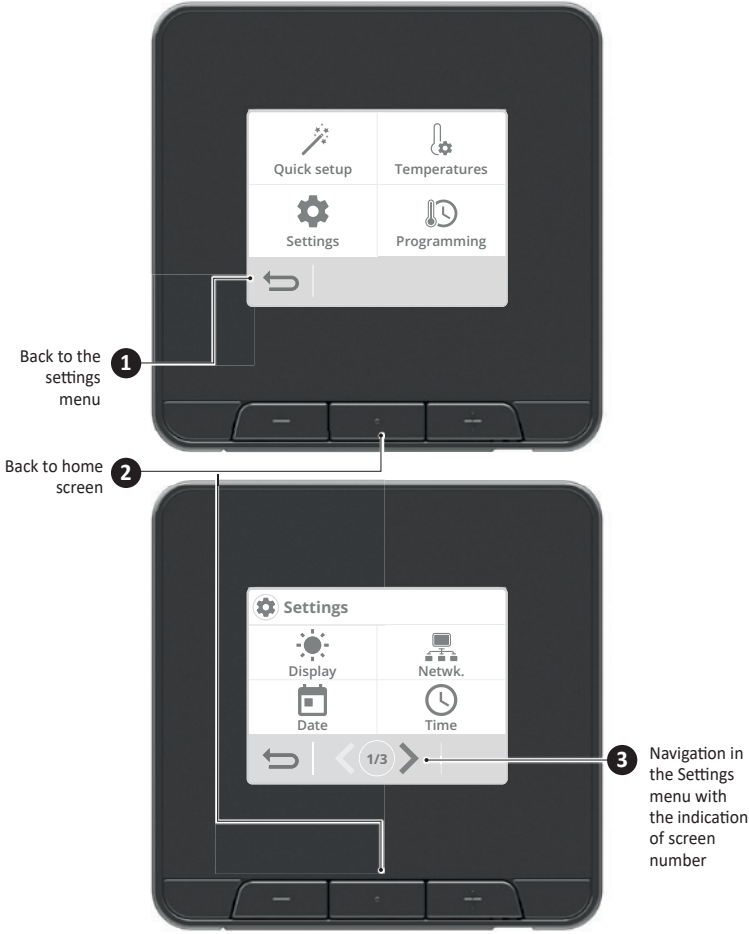
1. Wifi connection and account login MY**NEOMITIS**
2. Current operating mode
3. Humidity rate
4. Ambient temperature
5. Date and hour
6. Heating ( ) on or Cooling ( ) on
7. Heat demand (heating) or cold demand (cooling)
8. Receiver(s) connection

B- Controls and navigation:

- **Home screen**

1. Operating modes access
2. Override setting temperature
3. Manual open window
4. Menu
5. Information
6. Decrease the setting temperature
7. Operating modes display/back home screen
8. Increase the setting temperature

- **Setting screens**



C- Receiver

Led 1:
Visualization of the radio connection status
Button 1:
RF connection

Led 2:
Visualization of the operating state
Button 2:
Forced operation

Indicator light 1 status	Order received
Green blinking	Pairing in progress
Orange blinking	Time out
Fixed green	Connected
Fast green blinking	Receiving a RF command
Red blinking	Canceling pairing
Fixed red	Unpaired
Green, orange and red alternately blinking	Product identification

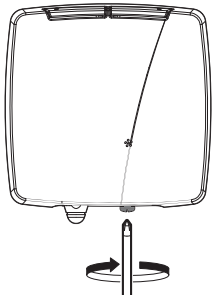
Indicator light 2 status	Order received
Fixed green	Heating standby
Fixed red	Heating ON
Fixed orange	Manual override ON
Green blinking	Manual override OFF
Green, orange and red alternately blinking	Product identification

INSTALLATION

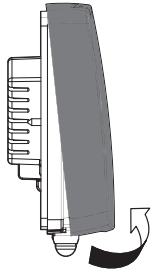
RECEIVER WIRING

• Housing opening

1- Unscrew the screw located under the front housing.



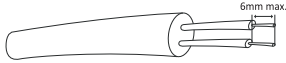
2- Separate the wall base from the front housing.



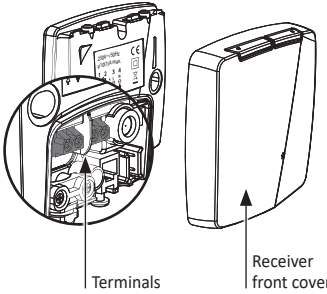
Important: All electrical installation work should be carried out by a suitably qualified Electrician or other competent person. If you are not sure how to install this receiver consult either with a qualified electrician or heating Engineer. Do not remove or refit the appliance onto the backplate without the mains supply to the system being isolated. All wiring must be in accordance with regulations.

The capacity of all terminals: 1 mm² to 1.5 mm². Use preferably 1.5 mm² conductors (depending on the application, see below).

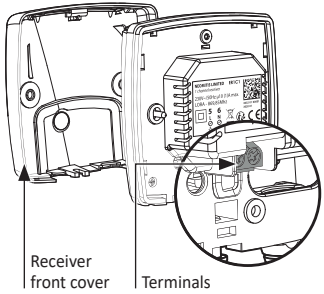
Cable stripping:



Interior wiring view



Exterior wiring view

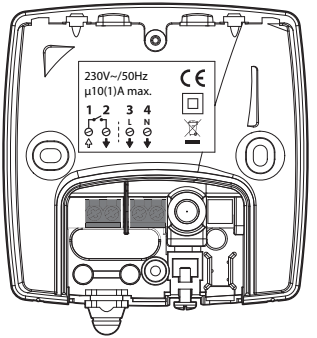


Proceed to the wiring in the following order:

- **Main power supply**

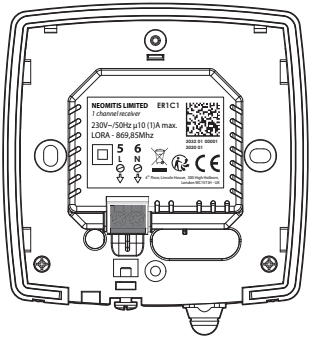
Terminals	Designations
1	Voltage-free dry contact output (10A)
2	Voltage-free dry contact input (10A)
3	Live output (L)
4	Neutral output (N)
5	Live (L) Power supply
6	Neutral (N) Power supply

Interior wiring view



Link supplied

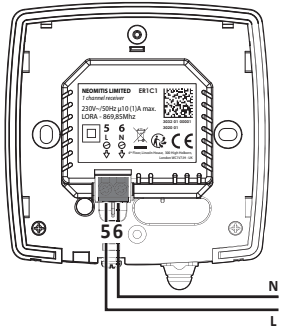
Exterior wiring view



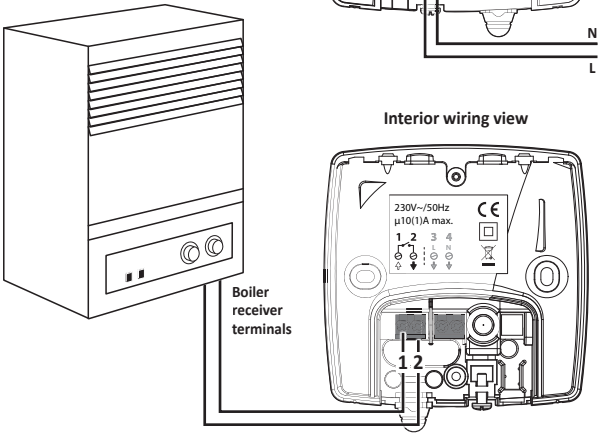
- **Boiler or other heat generator controlled by the power supply**

Terminals	Designations
1-2	Voltage-free contact
3	*Not used*
4	*Not used*
5	Live (L) Power supply
6	Neutral (N) Power supply

Exterior wiring view



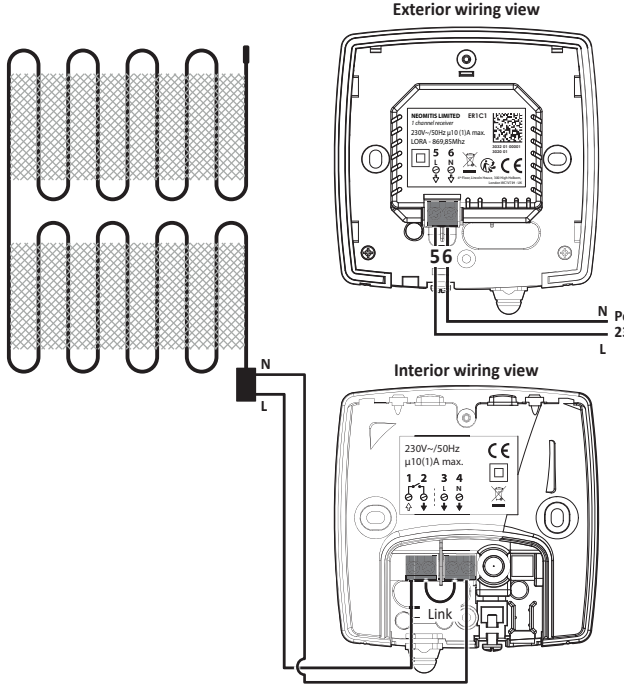
Interior wiring view



• Electric underfloor heating controlled by the power supply

Important: The cable cross-section must comply with the current regulation for the installed device.
The maximum load switched directly by the receiver is 10(1)A according to the receiver specification.

Terminals	Designations
1	Switched phase output to the load
2-3	Link between terminals 2 and 3 (live output 3 → contact input 2)
4	Neutral output to the load
5	Live (L) Power supply
6	Neutral (N) Power supply



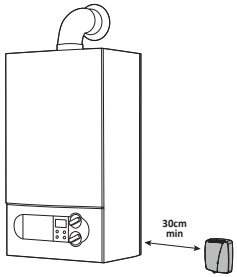
RECEIVER INSTALLATION

2 types of installation are possible, depending on the location and the type of installation:

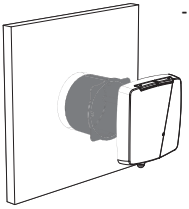
- **Semi-recessed mounting:** on an IP20 recessed box with a standard diameter of 60 mm (not supplied) on the side of the device which it must control.
- **Wall mounting (exposed):** on its wall base (supplied) to the left or right of the device it must control. A trunking (not supplied) can be used with the product to guide, protect and hide the wiring. If not in use, a basic closure piece is provided.

Important: The receiver must be installed at least 30 cm from any obstacle: metallic object, wall boxes, boiler...
DO NOT SET UP THE RECEIVER ON A HOT SURFACE.

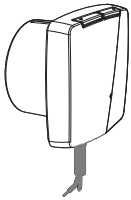
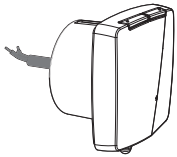
Recommended installation



• Semi flush mounting

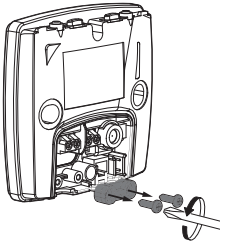


- 2 possible cable outputs:
It is possible to extend the connection cable to the device controlled by the front panel, or to the rear part, in the junction box.

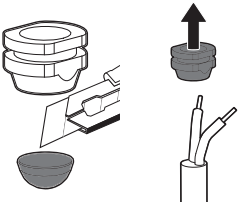
Outside cable output	Cable output into the wall
Under the housing	On the back of the case in a recessed box (not supplied).
	

• Cable output under housing

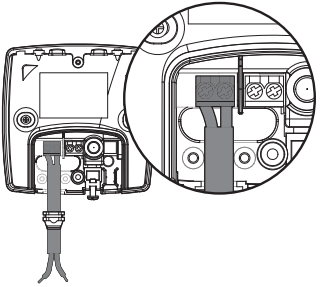
1- Remove the cable clamp present on the receiver.



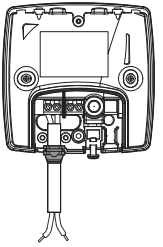
2- Cut the sealing cap with a cutter and pass through the cable of the device to be connected.



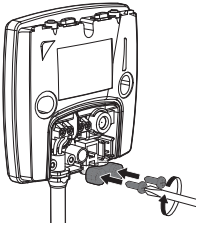
3- Make the electrical connection to the device.



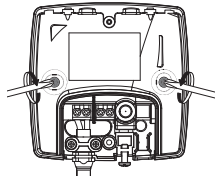
4- Put the sealing cap in the dedicated area.



5- Replace and tighten the cable clamp.

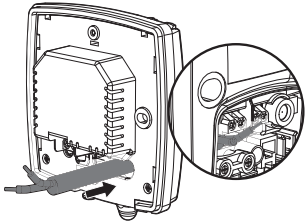


6- Using the 2 mounting screws provided, mount the receiver on the recessed box.

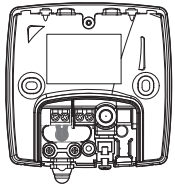


• Cable output at the back

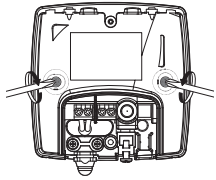
1- Put the cables to be connected in the area provided for this purpose



2- Make the electrical connection (see page 9).



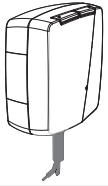
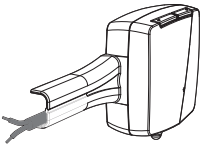
3- Using the 2 mounting screws provided, mount the receiver on the recessed box.



• Surface mounting

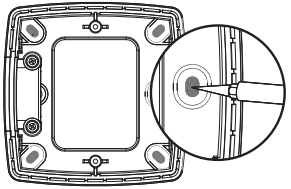
Be sure to maintain the connection cables in accordance with the applicable installation standard.

- **3 possible cable output:**
  The connection cable can be routed to the controlled device from the front, back, wall or side, using the cable guide (not supplied).

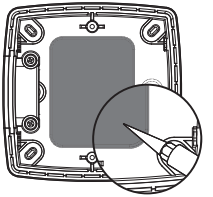
External cable output	Cable output in the wall	Cable output from the side
Under the housing	On the back of the case in a junction box (not supplied)	On the side of the housing with the cable guide (not supplied), to the right or left of the device to be controlled
		

• Cable output at the back

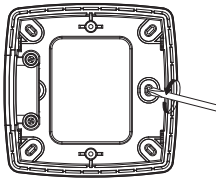
1- Pre-drill the holes used for mounting the wall base to the wall.



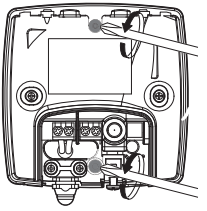
2- In the case of a cable output in the wall, cut the breakable area at the back of the wall base.



3- Secure the wall base with the two screws and plugs provided.

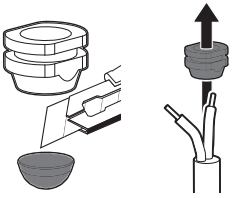


4- Using the 2 mounting screws provided, mount the receiver on the recessed box.

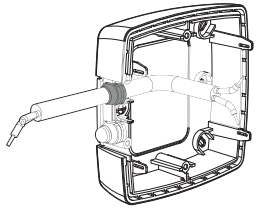


Using the cable guide (not supplied)

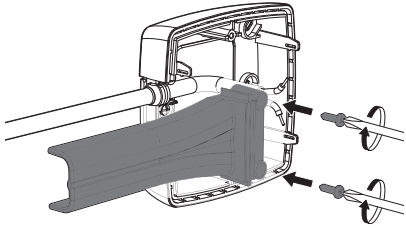
4- Cut the sealing cap with a cutter and pass through the cable of the device to be connected.



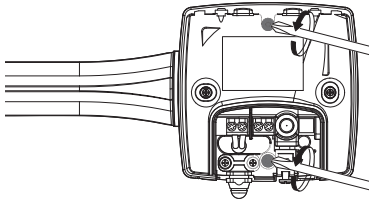
5- Put the sealing cap in the dedicated area.



6- Position the cable guide.



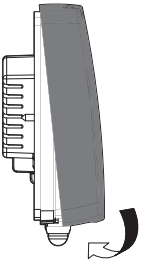
7- Using the 2 mounting screws provided, mount the receiver on the recessed box.



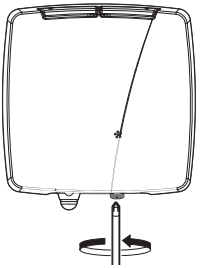
Note: In the case of a rear cable outlet, not sealing and anti-pulling system is required.

• Closing the housing

1- Replace the product cover.



2- Lock the cover by tightening the screw below.

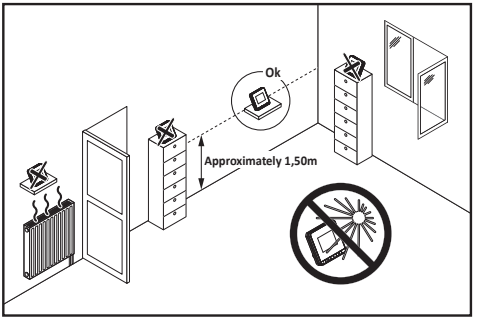


THERMOSTAT INSTALLATION

Install your thermostat in the recommended places:

To properly perform its function of regulating the ambient temperature, the thermostat must be installed approximately 1.5 m above the ground, indoors, away from direct sunlight and any heat source or cold such as: lamp, radiator, air flow, etc...

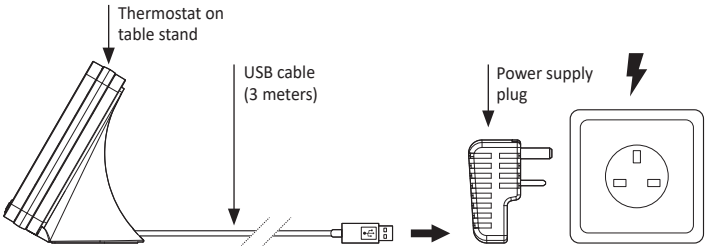
Note: To ensure the proper functioning of the product, make sure that it is not placed near a place which could be affected by interference from another source such as: a television, a PC, a radio receiver, etc.



To ensure proper operation, be careful not to cover the thermostat (curtains, furniture, etc.)

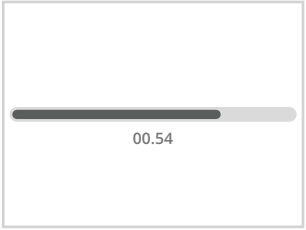
Important: The thermostat measures the temperature of the place where it is installed. It cannot take into account the temperature differences that may exist between different places / rooms of the dwelling if the temperature is not uniform.

1- Plug the power cable already connected on your thermostat to the provided AC adapter. Connect your thermostat to an electrical outlet.



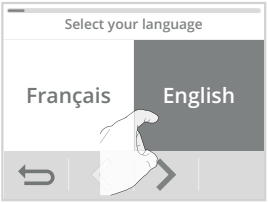
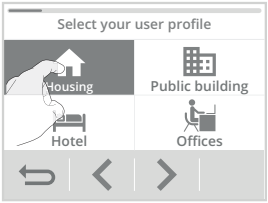
POWER-UP

Each time you turn on your thermostat, a progress bar appears to inform you that the software is loading.

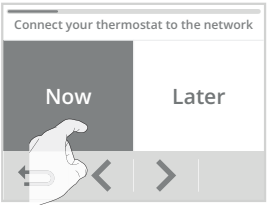


Once the software has been loaded, a quick start procedure is automatically proposed in order to set the main settings necessary for the correct operation of the product.

Follow the steps below using the navigation arrows ❮ / ❯ and select the desired setting by pressing directly on the screen:

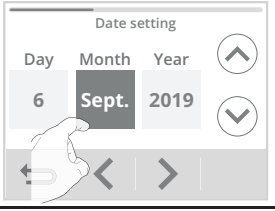
Step 1	Step 2
	

Step 3 (see page 26)



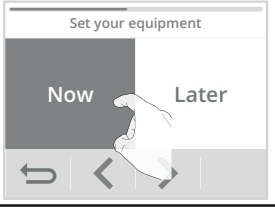
Step 4 (see page 22)

Step 5

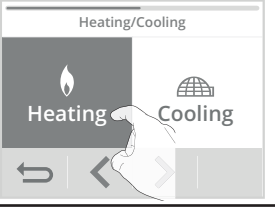


Step 6

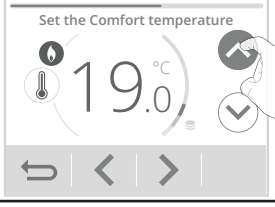
Step 7 (see page 60)



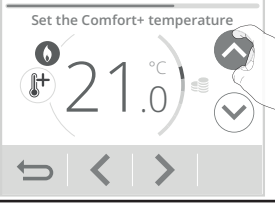
Step 8



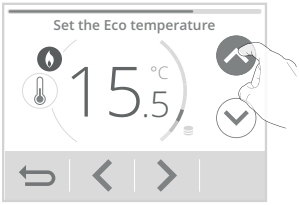
Step 9



Step 10

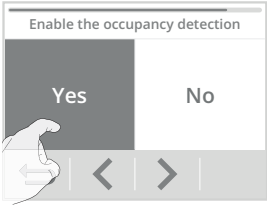


Step 11

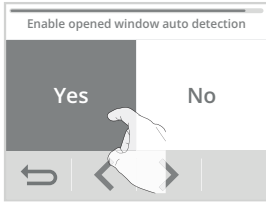


Step 12

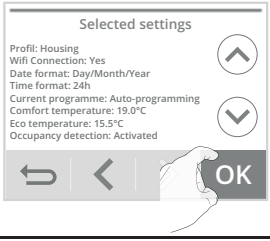
Step 13



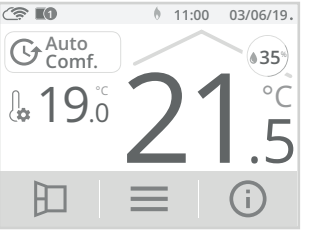
Step 14



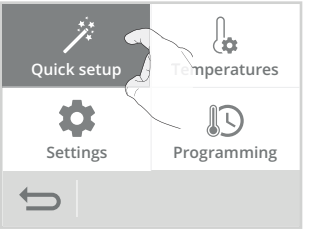
Step 15



Press OK to confirm the settings. The home screen appears. By default, the device is in Auto Comfort mode (according to the programming selected in step 11 of the startup).



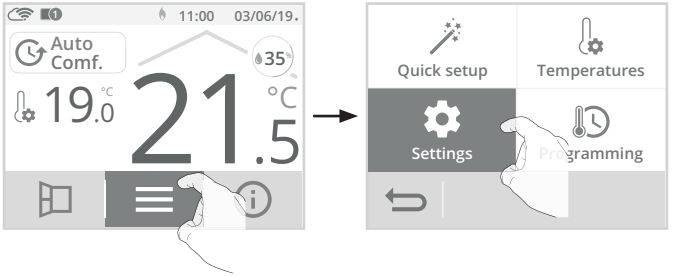
You can return to these settings at any time by pressing ☰, then selecting Quick setup.



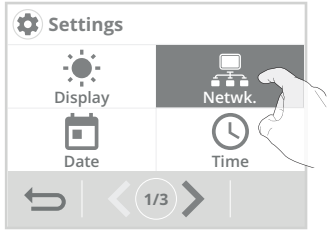
RF PAIRING BETWEEN THE THERMOSTAT AND THE RECEIVER

The thermostat has been designed to remote control an heating/cooling installation.
Check that your heating device has been wired to the supplied radio receiver (see Installation chapter page 9). The communication is wireless, by radio waves.
The thermostat and the receiver are not paired together at the factory, then proceed as follow:

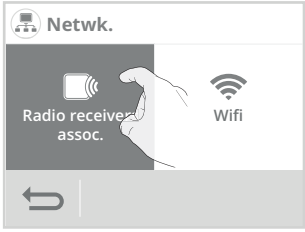
1- From the home screen, press ☰ and select Settings.



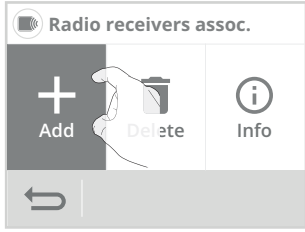
2- From Settings, press Netwk.



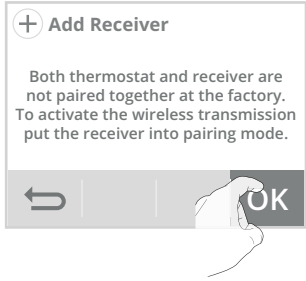
3- Press Radio receivers assoc.



4- Press Add.

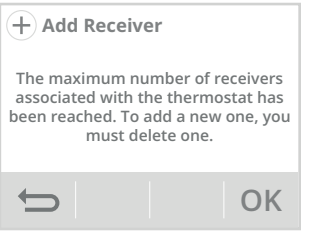


5- Put your receiver in pairing mode (see step 6), then click on OK.

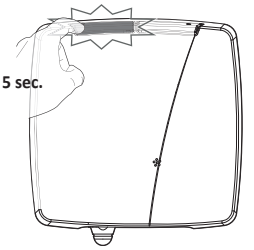


You can associate up to 10 receivers with one thermostat.
If you want to add another receiver to the same thermostat, see next page.

If 10 receivers have already been associated, an information screen will appear.
You must unpair a receiver (see page 55 "RF pairing cancellation") or pair it on a other thermostat.

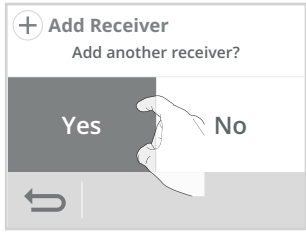


6- On the receiver, press button 1 for 5 seconds, it will flash green, your receiver is in pairing mode.



Note: The following 2 screens will appear when the connection is established. You have nothing to do with the product.

Once the receiver is paired, press OK, you will be able to pair a new receiver. If you want to add another receiver, see previous section.



• Check the RF signal strength

Important: Before proceeding to the checking the operation, be sure that the thermostat and the receiver are at their definitive location (see Installation page 9) and paired (see RF pairing between the thermostat and the receiver section page 22).

You can check at any time the RF transmission performance between the thermostat and the receiver. To check, see page 56, "Receiver information" section.

• Receiver identification

If several receivers are associated with the thermostat, you can visually identify them. To check, report page 56, "Receiver information" section.

• Manual test of the receiver output

You can manually test the receiver and temporarily force the receiver to turn on with a quick press on button 2: The second light indicator will be turned on.
Then with successive press, the light 2 indicator will switch successively from turned on (relay on) to turned off (relay off).
This manual command will be canceled at the next order received by the receiver.
Forced mode duration is 1hr maximum.

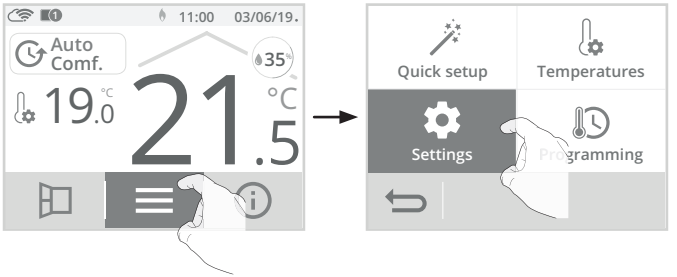
• RF pairing cancellation

To cancel the RF pairing between the thermostat and the receiver, see to page 55 "Delete a receiver" section.

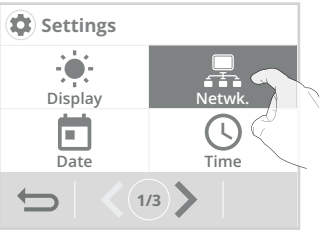
WIFI CONNECTION

Your thermostat has been specially designed to be connected directly to your internet router without any other accessories.
To pair the device with your wireless network, proceed in the following order:

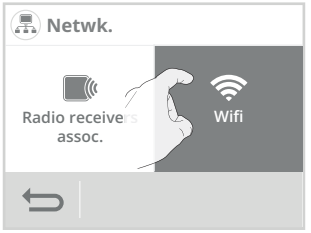
1- From the home screen, press ☰ and select Settings.



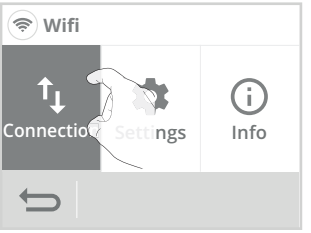
2- From Settings, press Netwk.



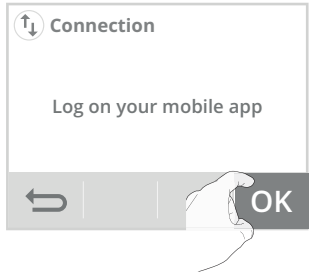
3- Press Wifi to start the pairing process.



4- Press Connection.



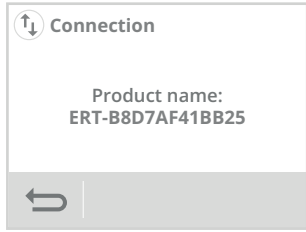
5- Press OK.



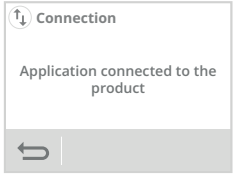
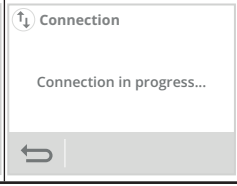
6- Your device is in connection mode. Please refer to the instructions on your application and follow the instructions until the device is fully connected.

Download the application on Apple Store

Download the application on Google Play



Note: The following 3 screens will appear when the connection is made. Once the device is connected to your wifi you will not be required to do anything else.

1	2	3
		

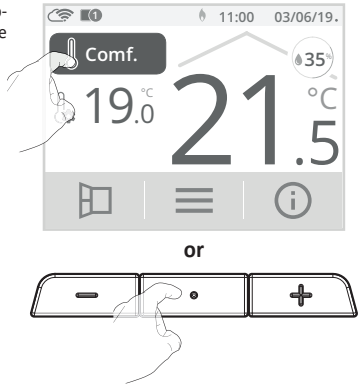
Once the product is connected, press OK to exit the connection mode. The unit will automatically return to the setup menu.

Your device can now be remotely controlled from a smartphone, computer or tablet. To do this, log in to the MY**NEOMITIS** application and let yourself be guided.

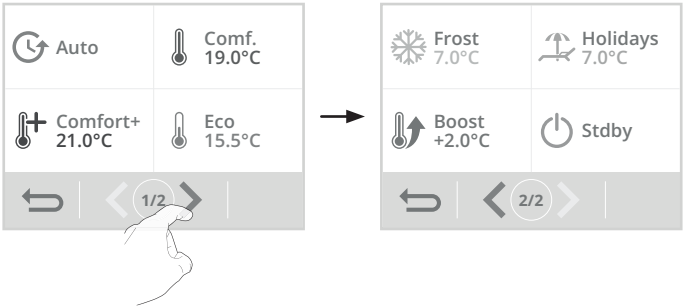
OPERATING

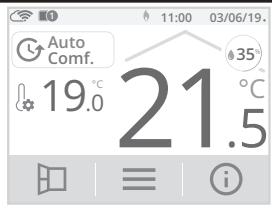
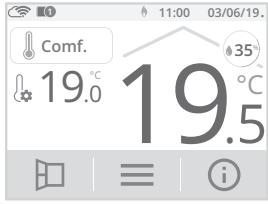
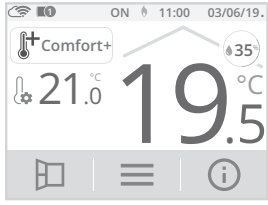
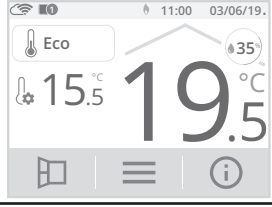
SELECTION OF AN OPERATING MODE

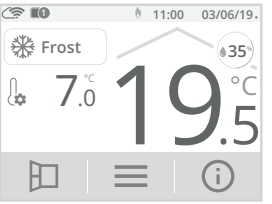
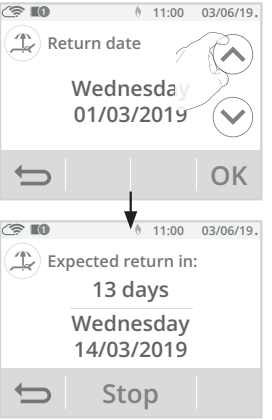
From the home screen, you can access the operating modes by pressing the operating mode area displayed on the screen or .



View the different operating modes available with the navigation arrows and select the desired operating mode by pressing directly on the screen.



Operating mode description	Display
• **Auto Mode** In Auto mode, the device will execute the mode orders in line with the auto-programming, activated by default. To disable the auto-programming and apply a preset programme (see: 7 day and daily programme integrated, energy savings on page 38).	
• **Comfort Mode** Non-stop Comfort mode. The thermostat will operate 24 hours a day to achieve the temperature which has been set (by default 19°C in heating mode and 26°C in cooling mode). The Comfort mode temperature level can be set by the user (see Adjustment of setting temperatures chapter on page 33).	
• **Comfort+ Mode** Non-stop Comfort+ mode. The thermostat runs 24 hours a day at the set temperature (default 21°C in heating mode and 24°C in cooling mode). This enables you to increase or decrease the temperature without changing the Comfort mode temperature. Select this mode for short-term periods. The Comfort+ mode temperature level can be set by the user (see the Adjustment of setting temperatures in chapter on page 33).	
• **Eco Mode** Eco mode. The Comfort Mode temperature minus or plus (depending on if you are in heating or cooling mode) 3.5°C. This enables you to increase or decrease the temperature without having to reset the Comfort Mode temperature. Select this mode for short-term absences (between 2 and 24h) and during the night.	

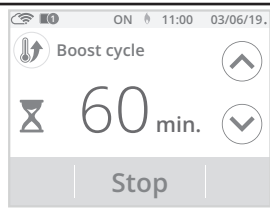
Operating mode description	Display
• **Frost protection mode** Frost protection mode, enables you to protect your installation against the effects of cold weather, by maintaining a minimum temperature of 7°C. Select this mode when you will be away from your home for a long time (more than 5 days).	
• **Holiday mode** You can program an absence period during which your installation will be protected from frost. At the end of this period, the device will return to Auto mode. This guarantees you maximum savings during your holidays and an optimal level of comfort when you return. Set the date of your return using ⌃ or ⌄ then confirm with OK. The device automatically displays the countdown of days remaining before your return date.	

Tip: It is advisable to set your return date one day prior to your actual return date. This way, your home will be set to the right temperature for when you are back. Example: if you return from vacation on February 20th, schedule a return to February 19th and have the right temperature on your return!

Manual stop: At any time, you can stop the Holidays mode by pressing Stop. The device returns to the previous operating mode (active operating mode before switching on the Holiday Mode).

- **Boost Mode**

In Boost mode, the setting temperature is up to the Comfort or Comfort+ temperature - plus 2°C (for example if the Comfort temperature is set to 19°C, the boost will temporarily increase it to 21°C).



The Boost is active for a preset and adjustable time of 60 min (see page 67 to change the boost duration).

During the first minute, you can modify the Boost duration from 30 to 180 minutes in intervals of 10 min by pressing ⌃ or ⌄. This change will be saved and executed for the next Boost. After one minute, the countdown begins.

Note: beyond a minute, you can temporarily change the duration for this period only. It will be applied for this activated Boost and non-recurring for the next Boosts.

Stop the Boost

Manual stop: At any time, you can stop the Boost and return to the previous operating mode by pressing Stop.

Automatic stop: If the room temperature reaches the Comfort or Comfort+ temperature + 2°C (in our example 21°C) during the countdown, then the Boost stops. The device does not heating anymore but the Boost is still on, the countdown, the symbol ⧗ and the heating indicator ON are on the display. When the temperature drops 2°C below the comfort temperature (in our example < 21°C); the Boost will be reactivated until the end of the countdown.

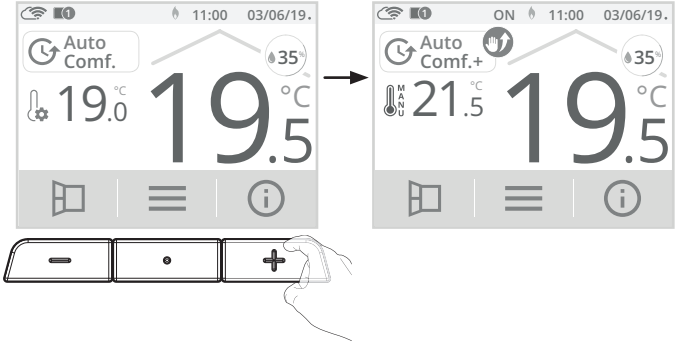
- **Standby mode**

Standby mode, enables you to totally stop your installation. The standby mode can be enabled at any time.

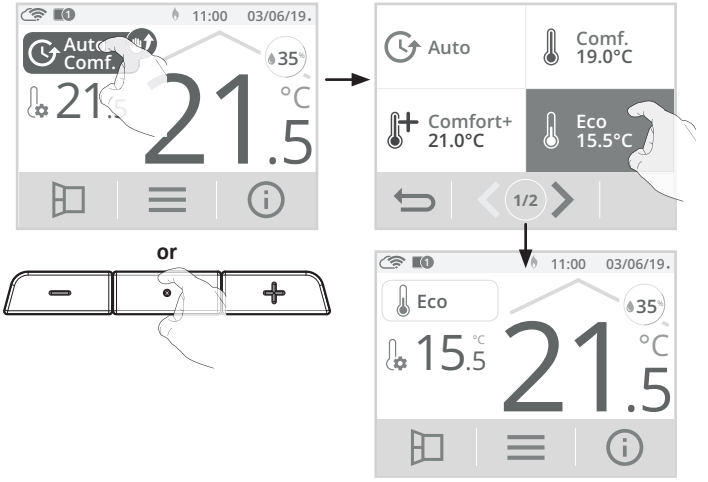
Important: In this mode the frost protection is not active.

MANUAL AND TEMPORARY EXEMPTION TO A CURRENT OPERATING MODE

This feature allows you to temporarily modify the setting temperature until the next programmed temperature change (via integrated programming) or when the clock reaches 00:00. For that press ▭ or ✣.



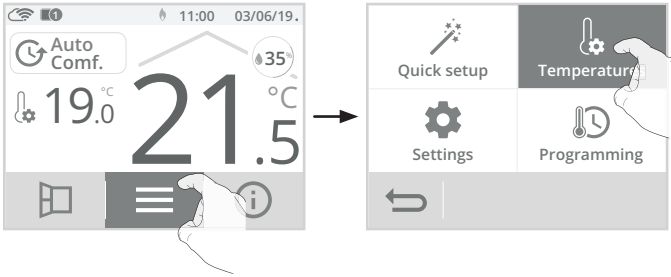
You can cancel this exemption at any time by pressing ▭ or on the operating mode area then select the desired mode.



If no cancellation or mode change has been made, the thermostat will automatically return to the next operating mode (via integrated programming) or the transition to 00:00.

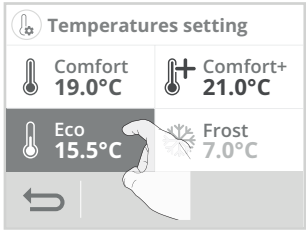
ADJUSTMENT OF SETTING TEMPERATURES

1- From the home screen, press ☰ and select Temperatures.

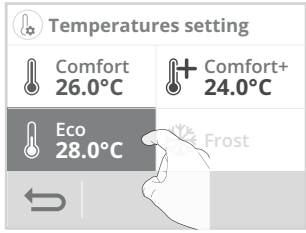


2- Select the setting temperature to be modified: Comfort, Comfort+, Eco or Frost protection.

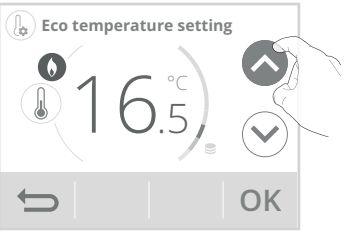
In heating mode



In cooling mode



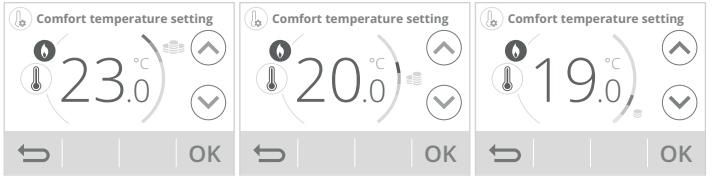
3- Adjust the desired temperature with ⌃ or ⌄ then press OK to confirm and return to the home screen.



	Comfort	Comfort+	Eco	Frost protection
Range settings	7°C to 30°C	Min. value: Comfort plus 1°C (heating) Min value: Comfort minus 1°C (cooling)	From 5°C to 19°C and Comfort -1°C to -8°C (heating) From 8°C to 38°C and Comfort +1°C to +8°C (cooling)	5°C to 12°C
Default value in heating mode	19°C	21°C	15,5°C	7°C
Default value in cooling mode	26°C	24°C	28°C	not applied

GAUGE CONSUMPTION, ENERGY SAVINGS

The Environment and Energy Control Agency recommends a setpoint setting in Comfort mode lower or equal to 19°C in heating, and superior or equal at 26°C in cooling.
In the display unit, a cursor indicates the energy consumption level with colour level: red, orange, green. So, depending on the setting temperature, you can choose your level of energy usage. For example, in heating mode, as the temperature setting increases, the energy consumption will be higher in the Auto, Comfort, Comfort+ or Eco modes.



- Gauge consumption: Red colour

Very high temperature level in heating or very low in cooling: to optimize your consumption, it is advisable to modify the setpoint temperature significantly.

Heating
Setpoint ≥ 22°C

Cooling
Setpoint ≤ 24°

- Gauge consumption: Orange colour	**Heating**
High temperature level in heating or reduces in cooling: to optimize your consumption, it is advisable to modify slightly the setpoint temperature.	19°C < Setpoint < 22°C
	Cooling
	26°C > Setpoint > 24°C

- Gauge consumption: Green colour	**Heating**
Temperature level in accordance with ADEME's recommendation. The best compromise comfort/saving.	Setpoint ≤ 19°C
	Cooling
	Setpoint ≥ 26°C

CHILD ANTI-TAMPER, KEYPAD LOCK/UNLOCK

- **Controls lock**

To lock the controls, press and hold down ⊖ and ⊕ simultaneously for **5 seconds**.

The padlock symbol appears on the display, the touchscreen is locked.

- **Controls unlock**

To unlock controls, press and hold down the button ⊖ and ⊕ simultaneously for **5 seconds**.

The padlock symbol disappears from the display, the touchscreen is unlocked.

OCCUPANCY DETECTION, ENERGY SAVINGS

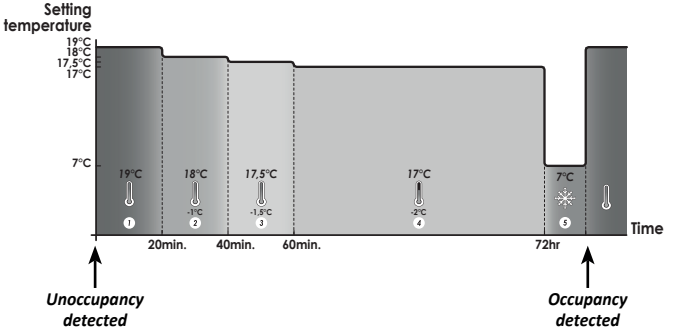
• Overview

The connected thermostat fits your lifestyle while keeping your power consumption under control. The thermostat optimizes the management of heating: it detects the presence near the place where it is installed and in case of absence, automatically performs a progressive lowering of the set temperature resulting in energy savings.

Unoccupied periods	Lowering setting temperature
20 minutes	Comfort -1°C
40 minutes	Comfort -1,5°C
1 hour	Comfort -2°C
72 hours	Frost protection

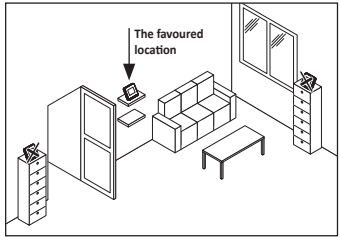
When presence is detected in the room, the thermostat automatically returns to the initial operating mode.

• Operating



OPEN WINDOW DETECTION, ENERGY SAVINGS

• Important information about the open window detection:



Important: the open window detection is sensitive to temperature variations. The device will react to the window openings in accordance with different parameters: temperature setting, rise and fall of temperature in the room, the outside temperature, the location of the device...
If the device is located close to a front door, the detection may be disturbed by the air caused by the door opening.
If this is a problem, we recommend that you disable the automatic mode opened window detection (see page 66).
You can, however, use the manual activation (see above).

• Overview

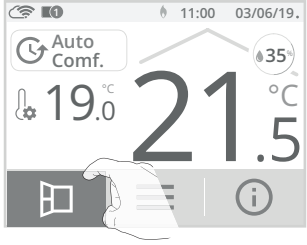
Lowering temperature cycle to Frost protection during ventilation of a room by an opened window. You can access the opened window detection from the Comfort and Auto Modes. Two ways to enable the detector:
- **Automatic activation,** the lowering temperature cycle starts as soon as the device detects a temperature change.
- **Manual activation,** the cycle of lowering temperature starts by pressing a button.

• Automatic activation (factory settings):

To disable this mode, see page 66. The device detects a temperature fall. An opened window, or a door to the outside can cause this temperature to fall.
Note: The difference between the air from the inside and the outside must cause a significant temperature fall to be perceptible by the device.
This temperature drop detection triggers the change to Frost Protection mode.

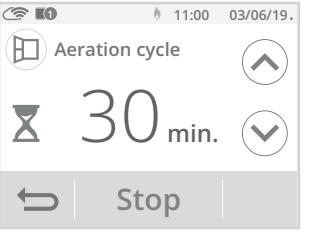
• Manual activation:

From the home screen, press . The device will switch on Frost protection mode.



- Ventilation cycle time

The frost protection mode is active for an adjustable time of 30 min. The countdown of the ventilation cycle begins and the time elapses, minute by minute. You can temporarily change the duration of the ventilation cycle from 5 to 90 minutes in 5-minute intervals by pressing ⌃ or ⌄. This modification will only be valid for this active, and therefore non-recurring, ventilation cycle (see page 67 for a permanent modification of the ventilation cycle time).



- Stopping the aeration cycle

- **Manual shutdown:** At any time, you can stop the ventilation cycle by pressing Stop.
- **Automatic shutdown:** At the end of the countdown, the ventilation cycle stops.

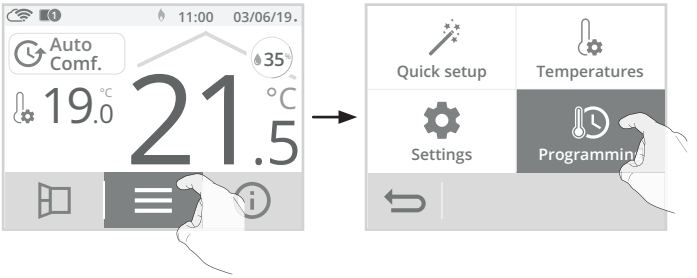
When the ventilation cycle is stopped, the device automatically returns to the original operating mode (active mode before the ventilation cycle is activated).

Note: If a sufficient rise in temperature is perceived, the device can return to the original mode (active mode before the opened window detection).

7 DAY AND DAILY PROGRAMME INTEGRATED, ENERGY SAVINGS

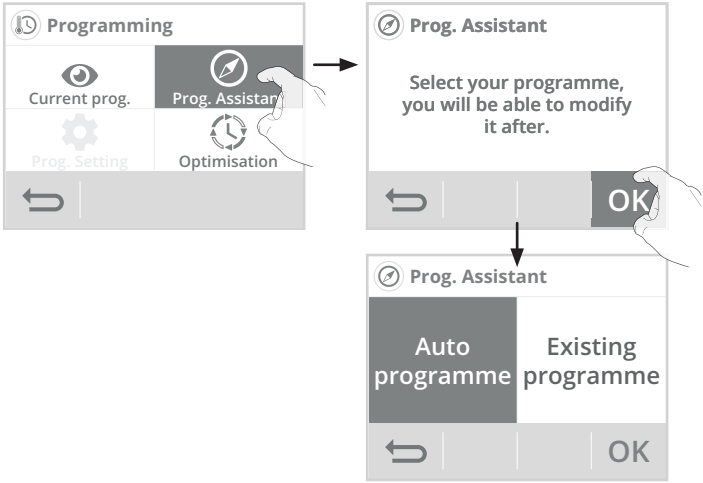
• Access to the programming mode

1- From the home screen, press ☰ and select Programming.



- **Choosing a pre-recorded programme**

2- Press Prog. Assistant and then OK .



AUTOMATIC PROGRAMMING WITH SELF-LEARNING PROCESS

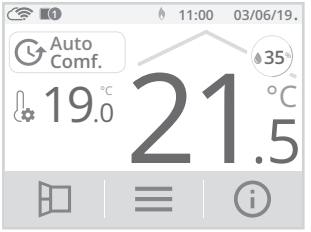
- **Overview**

Auto-programming (Auto-prog): After an initial learning period of one week, the thermostat will analyze occupancy cycles to determine and implement a weekly programme adapted to your life-cycle. The goal being to deliver the most efficient yet comfortable and user-focused heating cycle, alternating between Comfort and Eco periods.
The product algorithm will perpetually learn and adapt to changes in your occupancy patterns, adapting week after week to optimize the heating programme to any changes in your evolving occupancy patterns.

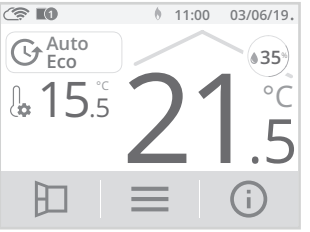
- **Operating**

Upon the first activation of your thermostat, the mode “auto-programming” is activated by default, in Auto mode. To desactivate and change the programme, see programme modification and allocation on page 43.
The first week of operation is a learning week during which the thermostat will provisionally function in permanent “Comfort” mode. The thermostat memorizes your habits and creates a programme for the week , for each day, alternating between Comfort and Eco periods. It will continue to adjust this initial programming, depending on your lifestyle, in the following weeks.

Important: To ensure the auto-programming operates efficiently, please ensure that the thermostat is not covered by an external object.



Example of display in Comfort period



Example of display in Eco period

• Application of the smart programme

One week after switching on, the device will apply the new programme for the next 7 days.
Then week after week the device will continue to optimize the smart programme "Auto", adjusting the Comfort and Eco periods to fit closely with your lifestyle.

When the product is in Frost protection mode or in heating standby mode for more than 24 hours, learning and optimisation of the smart programme stops: the device stores the previously recorded programme from the last week before switching to the Frost protection or heating standby mode.

- **Example 1:** If the product is installed in mid-season or if its installation is anticipated on the construction site, it can be switched on in standby mode. When you select the Auto mode, the learning week will start automatically. The device will be in permanent comfort and will memorize your habits in order to apply the adapted programme the following week.
- **Example 2:** You select the frost protection mode before going on holiday. Upon your comeback, and when you select Auto mode on the device, the unit will automatically apply the previously-stored smart programme from the last week before you left.

7 DAY AND DAILY PROGRAMME

In this mode, you have the option of programming your thermostat, by setting one of the programmes on offer for each day of the week.

• Choices programmes

The thermostat is delivered by default with the self-learning mode enabled as described previously. If this programme suits your requirements, you have nothing more to do, the thermostat, after the initial 7 day learning period will follow the auto-programme. So, the heating/cooling installation will be adapted to your life patterns.

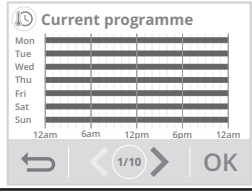
If this programme does not suit you, scroll through the pre-recorded programmes using the navigation arrows and select the one adapted to your lifestyle by pressing directly on the screen:

- **Legend**

Comfort+ mode | Comfort mode | Eco mode | Frost protection mode

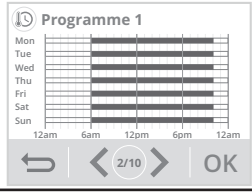
Default programme

By default the device will operate in Comfort mode, 24 hours a day, as regards each day selected.



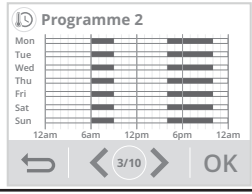
Programme 1

The device will operate in Comfort mode from 6:00^{am} to 10:00^{pm} and in Eco mode from 10:00^{pm} to 6:00^{am}.



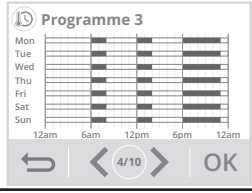
Programme 2

The device will operate in Comfort mode from 6:00^{am} to 9:00^{am} and from 4:00^{pm} to 10:00^{pm} and in Eco mode from 9:00^{am} to 4:00^{pm} and from 10:00^{pm} to 6:00^{am}.



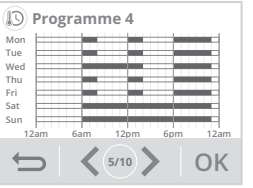
Programme 3

The device will operate in Comfort mode from 6:00^{am} to 8:00^{am}, from 12:00^{pm} to 2:00^{pm} and from 6:00^{pm} to 11:00^{pm}. It works in Eco mode from 11:00^{pm} to 6:00^{am}, from 8:00^{am} to 12:00^{pm} and from 2:00^{pm} to 6:00^{pm}.



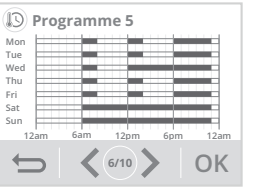
Programme 4

Monday, Tuesday, Thursday and Friday:
The device operates in Comfort mode from 6:00^{am} to 8:00^{am}, from 12:00^{pm} to 2:00^{pm} and from 6:00^{pm} to 11:00^{pm}. It works in Eco mode from 11:00^{pm} to 6:00^{am}, from 8:00^{am} to 12:00^{pm} and from 2:00^{pm} to 6:00^{pm}.
Wednesday: The device operates in Comfort mode from 6:00^{am} to 2:00^{pm} and from 6:00^{pm} to 11:00^{pm}. It works in Eco mode from 2:00^{pm} to 6:00^{pm} and from 11:00^{pm} to 6:00^{am}.
Saturday and Sunday: The device operates in permanent comfort for the 24 hours of each day.



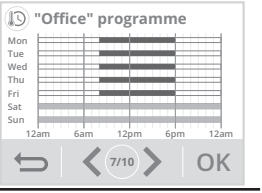
Programme 5

Monday, Tuesday, Thursday and Friday:
The device operates in Comfort mode from 6:00^{am} to 8:00^{am}, from 12:00^{pm} to 2:00^{pm} and from 6:00^{pm} to 11:00^{pm}. It works in Eco mode from 11:00^{pm} to 6:00^{am}, from 8:00^{am} to 12:00^{pm} and from 2:00^{pm} to 6:00^{pm}.
Wednesday: The device operates in comfort mode from 6:00^{am} to 8:00^{am} and from 12:00^{am} to 11:00^{pm}. It works in Eco mode from 8:00^{am} to 12:00^{pm} and from 11:00^{pm} to 6:00^{am}.
Saturday and Sunday: The device operates in permanent comfort for the 24 hours of each day.



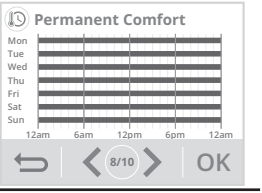
"Office" programme

Monday, Tuesday, Thursday and Friday:
The device operates in Comfort mode from 8:00^{am} to 6:00^{pm}. It works in Eco mode from 6:00^{pm} to 8:00^{am}.
Saturday and Sunday: The device operates in Frost protection mode for the 24 hours of each day.



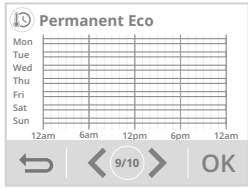
Comfort mode

The device will operate in Comfort mode, 24 hours a day, as regards each day selected.



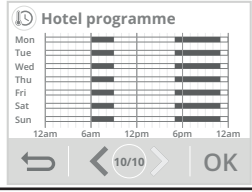
Eco mode

The device will operate 24 hours a day in Eco mode.



Hotel

The device will operate in Comfort mode from 6:00^{am} to 9:00^{am} and from 5:00^{pm} to 11:00^{pm}. It works in Eco mode from 11:00^{pm} to 6:00^{am} and from 9:00^{am} to 5:00^{pm}.

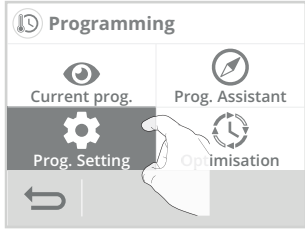


Note: you can set the setting temperature (see to set the setting temperatures, see page 33).

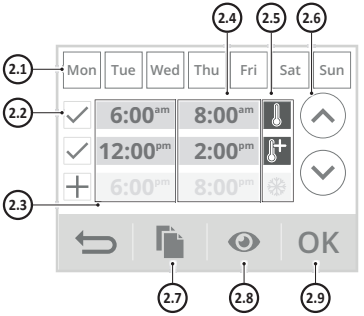
• Changes in programme allocation

If you are not satisfied with the timetable of the chosen programme, you can modify it day-by-day or in a group of days.

1- Press Prog. Setting.



2- Change the programming by following the steps below:

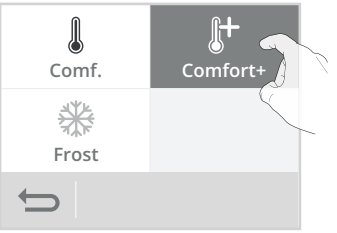


2.1- Select the day of the week.
2.2- Add a Comfort, Comfort+ or Frost protection period.
2.3- Comfort, Comfort+ or Frost protection periods starting times.
2.4- Eco periods starting times.
2.5- Select the operating mode of programmed period (refer to step 3).
2.6- Change the scheduled periods.
2.7- Copy the schedules to one or more days of the week.
2.8- View the modified programming.
2.9- Confirm, the modified programme appears.

Mon	Monday	**Tue**	Tuesday
Wed	Wednesday	**Thu**	Thursday
Fri	Friday	**Sat**	Saturday
Sun	Sunday		

3- Select the operating mode for the programmed period.

The rest of the time, the device will operate in Eco mode.

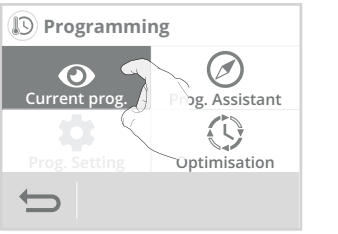


4- Press [•] to exit and return to the home screen.

• Visualization of the current programme

At any time, you can view the current programming by pressing Prog. In progress.

Press [•] to exit and return to the home screen.



DUAL OPTIMISATION FEATURE

• Overview

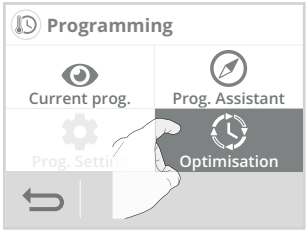
Dual function optimisation, priority to comfort or energy savings, the choice is yours: Depending on various parameters: room inertia, ambient temperature, desired temperature, the thermostat calculates and optimizes the programming for each heating period whether set to Comfort or Savings (Eco):

- **In OPTI ECO mode (efficiency priority),** the thermostat inbuilt algorithms will calculate the best compromise in order to guarantee maximum energy savings throughout the programmed increase and decrease phases.
  In this mode, a slight drop in the temperature level at the beginning and end of the comfort period is allowed to maximize energy savings.
- **In OPTI COMFORT mode (priority to comfort),** the thermostat intelligence calculates the best compromise in order to guarantee maximum comfort during the programmed increase and decrease phases.
  In OPTI COMFORT mode, the priority is given to anticipating and maintaining the comfort temperature during periods of detected occupancy.

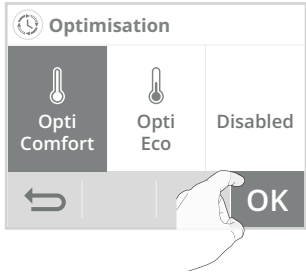
• Optimisation choice

The **OPTI COMFORT** mode is activated by default.

1- Press Optimisation.



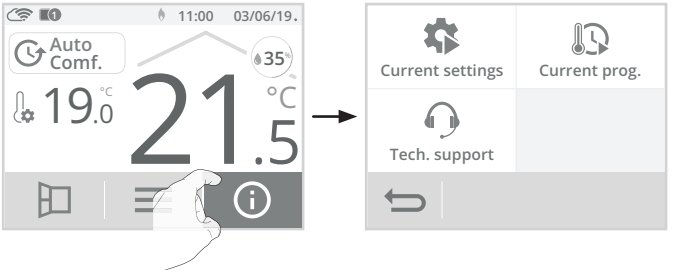
2- Select the optimisation type you want and confirm by pressing OK.



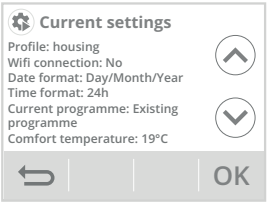
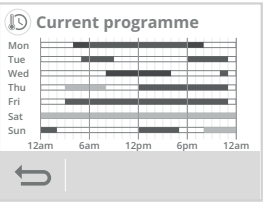
PRODUCT INFORMATION

At any time you can view the operating status of the product.

1- From the home screen, press (i).



2- Press on the information you want to view. Press [•] to exit and return to the home screen.

Current settings	Current prog.
List of all settings set on the product. Press ⌃ or ⌄ to scroll and OK to exit and return to the previous screen (see page 47 and page 64 to modify it).	Programme in progress during the week. ■ Comfort+ mode ■ Comfort mode □ Eco mode ▒ Frost protection mode (See page 38 to modify)
	

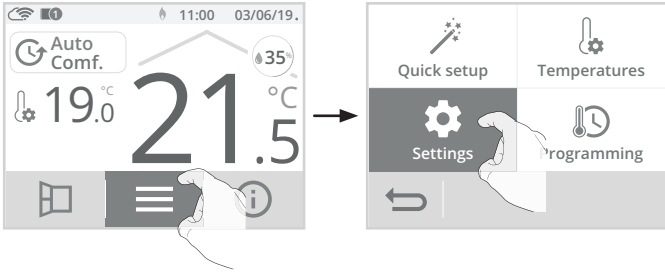
Technical support - See “Troubleshooting” page 76

In case of technical assistance, communicate the information displayed on the screen to our team to identify your product and provide assistance in installation or use.

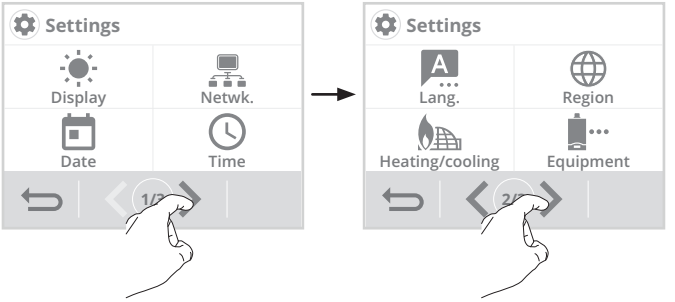
USER SETTINGS

- **Access**

From the home screen, press ☰ and select Settings.



- **Settings menu**



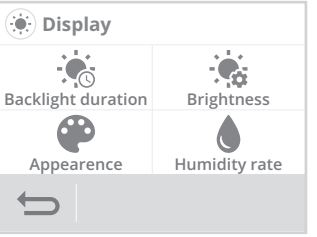
DISPLAY

1- Press Display.

2- Select the setting to change.

- **Display menu**

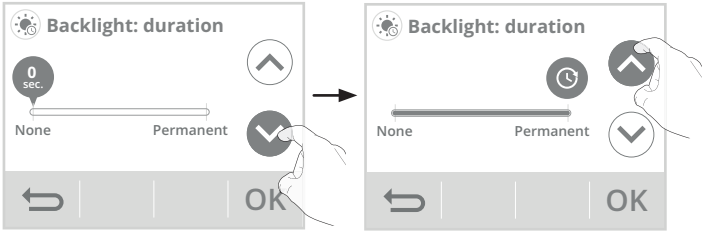
Backlight duration = Display lighting time
Backlight brightness = Screen intensity
Appearance = Screen colour theme
Humidity rate = Display of the humidity rate on the home screen.



- **Backlight duration**

1- Press Backlight duration.

2- The backlight time is preset to 30 seconds. To change it, use ^ or v



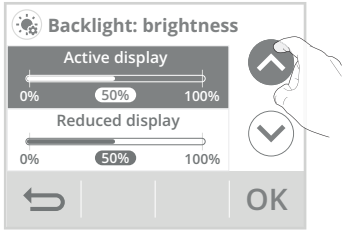
3- Press OK to confirm, the device automatically returns to the display menu.

- **Backlight brightness**

1- Press Backlight: brightness.

2- Select the parameter to be modified:
Active screen = brightness of the screen when one of the buttons is pressed
Standby screen = display brightness after 30 seconds can be set (see Backlight duration above) without any action on one of the buttons.

3- The brightness of the backlight is pre-set to 50%. To change it, press ^ or v.



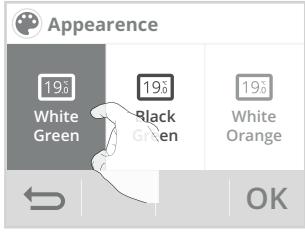
4- Press OK to confirm, the device automatically returns to the display menu.

- **Appearance**

1- Press Appearance.

2- The pre-set screen colour theme is white / green. To change it, press the theme of your choice.
White / green = white background, green inscriptions
Black / green = black back ground, green inscriptions
White / orange = white background, orange inscriptions

3- Press OK to confirm, the device automatically returns to the display menu.

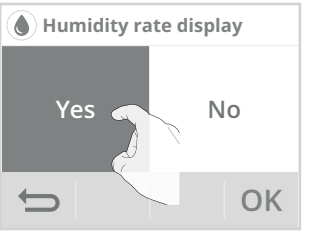


- **Humidity rate**

You have the option to permanently display the humidity rate measurement in the room where the thermostat is installed.

1- Press Humidity rate.

2- Press Yes or No, to display the humidity rate on the home screen.

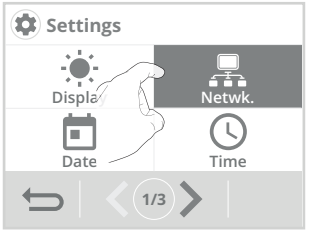


3- Press OK to confirm, the device automatically returns to the display menu.

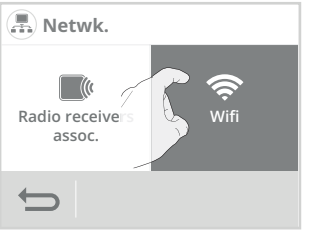
WIFI CONNECTION

Your thermostat has been specially designed to be connected directly to your Internet router without any other accessories.
To pair the device with your wireless network, proceed in the following order:

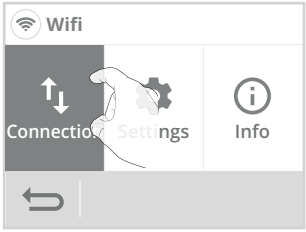
1- Press Netwk.



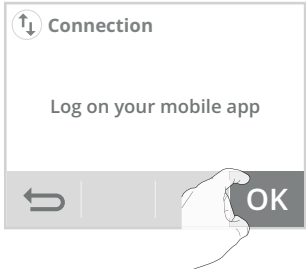
2- Press Wifi to start the pairing process.



3- Press Connection.

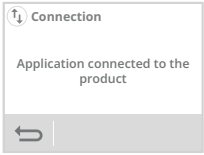
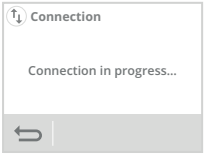


4- Press OK.



5- Your device is in connection mode. Please refer to the instructions on your application and follow the instructions until the device is fully connected.

Note: The following 3 screens will appear when the connection is made. You have nothing to do on the product.

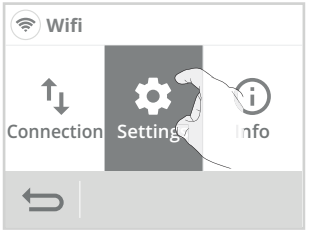
1	2	3
		

Once the product is connected, press OK to exit the connection mode. The unit automatically returns to the setup menu.

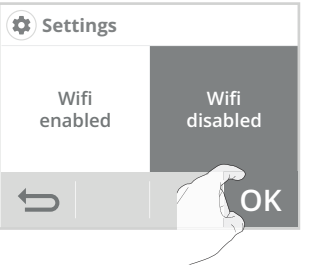
• Product disconnection

If you want to disable your product from the wifi network without unpairing it, proceed as follows:

1- On Wifi display, press Settings.



2- Select Wifi disabled and press OK to confirm.



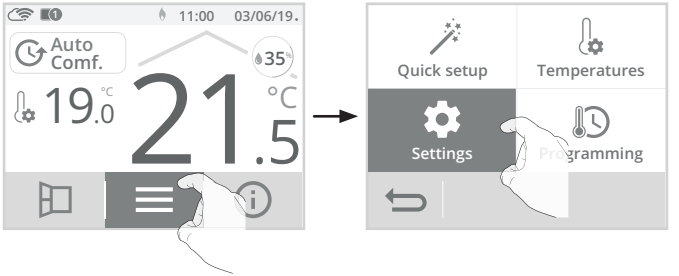
3- To reconnect the product to the wifi network, in the previous step simply select Wifi enabled**.** You don't need to repeat the entire pairing process.

RF PAIRING BETWEEN THE THERMOSTAT AND THE RECEIVER

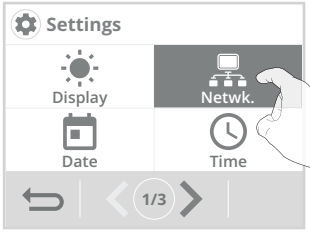
• Receiver pairing

The thermostat has been designed to remote control an heating/cooling installation.
Check that your heating device has been wired to the supplied RF receiver (see Installation chapter on page 9). The communication is wireless, by radio waves.
The thermostat and the receiver are not paired together at the factory, then proceed as follow:

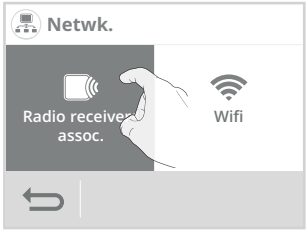
From the home screen, press ☰ and select Settings.



2- Press Netwk.

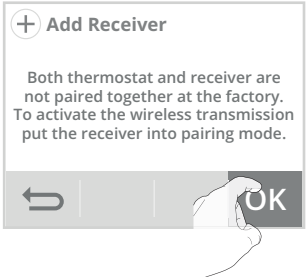


3- Press Radio receivers assoc.



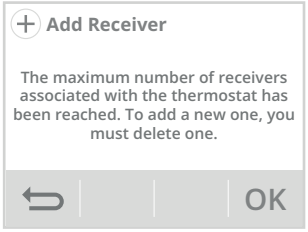
4- Press Add.

5- Put your receiver in pairing mode (see step 6), then click on OK.

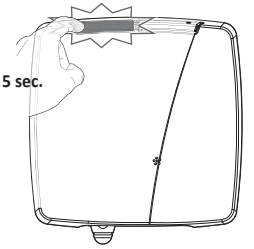


You can associate up to 10 receivers with one thermostat.
If you want to add another receiver to the same thermostat, see next page.

If 10 receivers have already been associated, an information screen will appear.
You must unpair a receiver (see page 55 "RF pairing cancellation") or pair it on a other thermostat.

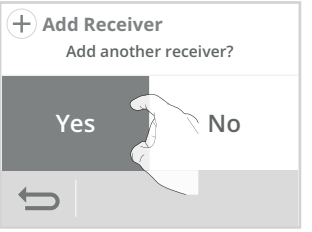


6- On the receiver, press button 1 for 5 seconds, it will flash green, your receiver is in pairing mode.



Note: The following 2 screens will appear when the connection is established. You have nothing to do with the product.

Once the receiver is paired, press OK, you will be able to pair a new receiver. If you want add another receiver, see previous section.

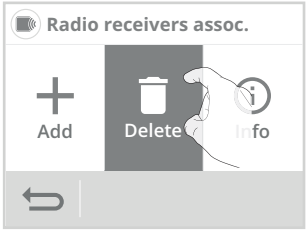


• RF pairing cancellation between the thermostat and the receiver(s)

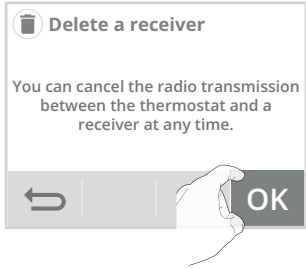
If you want to delete a receiver associated to the thermostat, 2 possibilities:

- On the thermostat

1- On "Radio receivers assoc." display, press Delete.

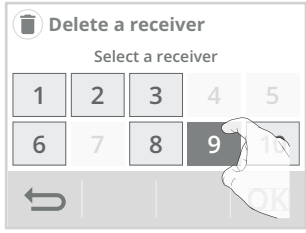


2- Press OK.

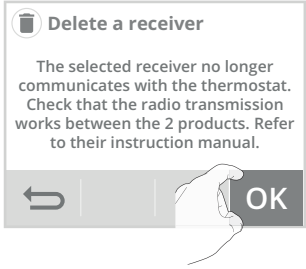


3- Select the receiver you want to delete, then press OK.

Note: When a receiver no longer communicates with the thermostat, its corresponding box will be on an orange background for the white / green, black / green theme and red background for the white / orange theme.



4- Once the receiver is deleted, press OK.

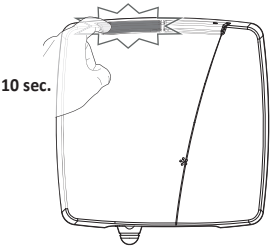


5- If another receiver is associated, you can delete another if you wish by pressing Yes.

- **Or on the receiver**

Keep the button 1 pressed for at least 10 seconds without releasing it:

- **After 5 seconds,** the LED 1 starts to blink green, the association with the thermostat begins.
- **After 10 seconds,** the receiver deletes his radio association code with the thermostat, release the button 1 when the LED 1 is solid red, your receiver is no longer associated with the thermostat.

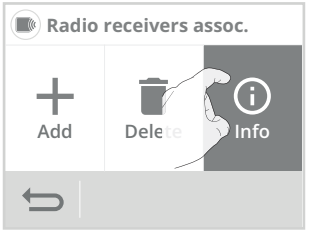


To finalize the pairing cancellation, you need to remove the unpaired receiver from the thermostat (refer page 55). The receiver and the thermostat no longer communicate, the receiver number will appear in a different colour (see above).

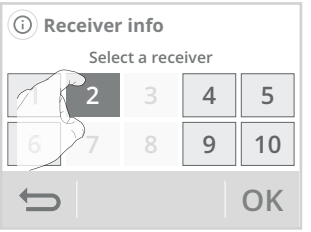
• Receivers informations

You wish to access the information and / or the identification of a receiver, proceed as follows:

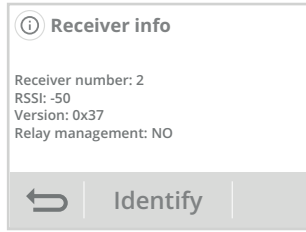
1- On “Radio receivers assoc.” display, press Info.



2- Select the receiver and press OK.



3- The information screen appears:



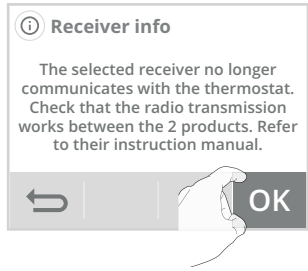
- **Receiver identification**
  The receiver number corresponding to your selection, in our example 2, appears on the 1st line.
  You can identify it visually by pressing Identify. The 2 LEDs on the corresponding receiver will flash green, orange and red, alternately and for one minute.

- **RF transmission level**
  RSSI corresponds to the RF transmission level between the thermostat and the receiver.
  -30 = High RF transmission level, the location of the thermostat is optimized.
  -90 = Correct RF transmission level, the location of the thermostat is convenient.
  -120 = Low RF transmission level, the thermostat must be moved.
  To improve the RF transmission performance between the 2 devices and ensure the remote management is optimized:
  - Please ensure the RF transmission is not interrupted, move the thermostat.
  - Move the thermostat closer to the receiver.

- **Version**
  The version number is technical information allowing the manufacturer to have a better identification of the product. Please communicate it to your installer in the event of a fault with the receiver.

- **Relay management**
  NO: Normally open
  NC: Normally close

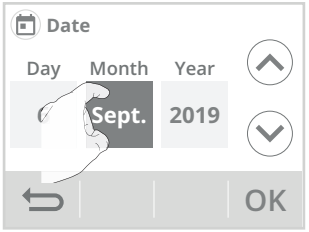
4- If the receiver and the thermostat are no longer communicating, the following information screen will appear. Repeat the RF pairing process described on page 55.



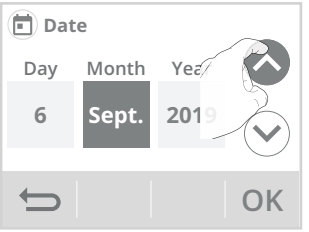
DATE SETTING

1- Press Date.

2- Select the item to modify (day / month / year).



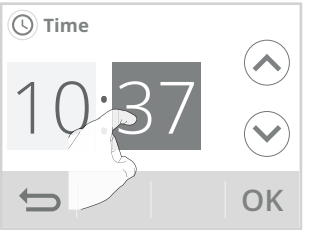
3- Press ^ or v to set and press OK to confirm. The device automatically returns to the settings menu.



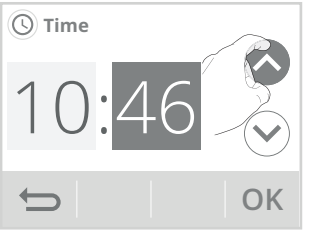
TIME SETTING

1- Press Time.

2- Select the item to modify (hour/minute).



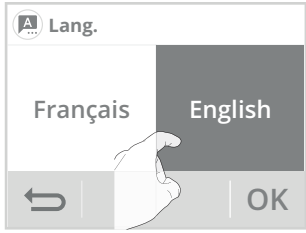
3- Press ^ or v to set and press OK to confirm. The device automatically returns to the settings menu.



CHOICE OF LANGUAGE USE

1- Press Language.

2- Press the desired language and confirm by pressing OK. The device automatically returns to the settings menu.



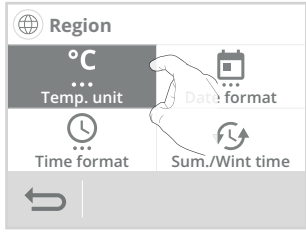
REGIONAL UNITS

In this setting level, you can change the temperature unit, the date, and time format as well as the automatic changeover summer / winter of the timer.

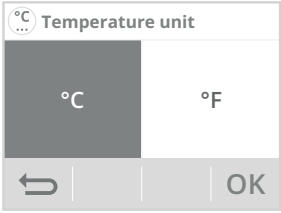
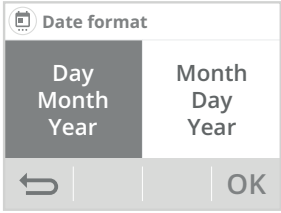
1- Press Region.

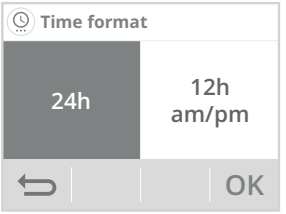
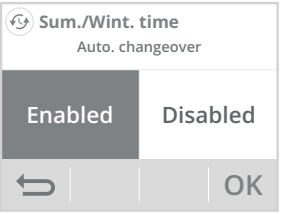
2- Select the parameter to be modified.

- **Region menu**



3- To modify, press the desired value.

Temperature unit	Date format
	

Time format	Summer / winter time
	

4- Press OK to confirm, the device automatically returns to the display menu.

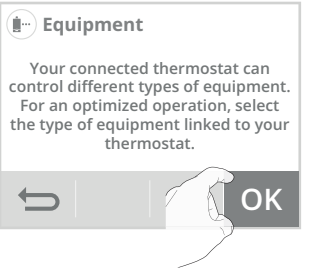
EQUIPMENT

1- You can select the type of equipment controlled by your thermostat.

The thermostat will automatically apply the corresponding control management of the temperature according to the equipment chosen:

Equipment choice	Control choice
Boiler	PID low inertia
Underfloor heating	PID high inertia
Elec. unit heater	ON/OFF
Other	PID low inertia

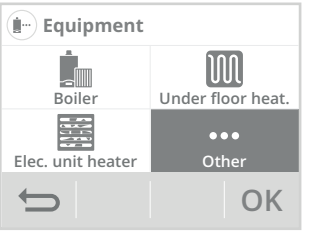
See page 71 Type control choice chapter.



2- In factory using, Other is selected.

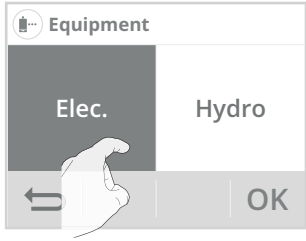
This thermostat is compatible with the most central heating systems:

- **Floor boiler (gas, oil or wood);**
- **Gas wall boiler with steel, cast iron or aluminum radiator;**
- **Electric or hydraulic underfloor heating;**
- **Elec. unit heater;**
- **Heat pump;**
- **Control of a 2-way valve, a circulator;**
- **...**

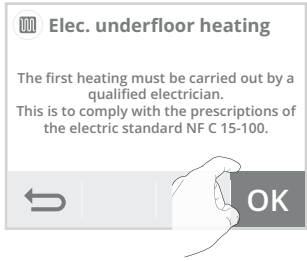


The thermostat will operate in PID low inertia by default.

3- If you select Under floor heat., the following choice displays:
Elec.: for an electric underfloor heating
Hydro: for an hydraulic underfloor heating



4- Selecting a type of underfloor heating: When the choice is saved (in our example Elec.) The following indication appears. Press OK to confirm.



- **First heating:**

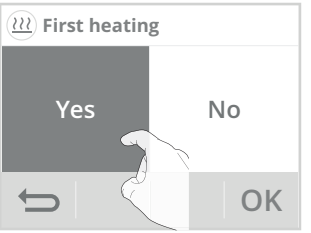
- **Recommended information about the first heating for an electrical underfloor heating setup:**

- The first heating must be carried out by a qualified electrician.
- It can be done automatically by switching on the connected thermostat. If this is not possible, a gradual heating program must be defined in agreement with the supervisor or the electrician by respecting the prescriptions of the electric standard NF C 15-100.
- It is advisable to keep some flooring elements in case of subsequent troubleshooting.

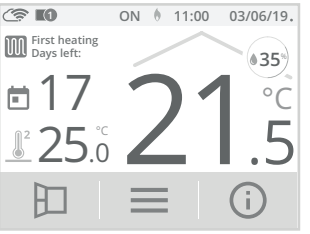
- **Recommended information about the first heating for an underfloor hydraulic heating setup:**

Carried out by the heating contractor, it will comply with the NF DTU 65.14 and the implementation documents for floor coverings. It starts with a water temperature between 20 and 25°C maintained for a minimum of 3 days. Then this temperature is raised to the maximum operating temperature (refer to NF EN 1264-4).

5- Press Yes or No, to start or not the first heating of your underfloor heating.



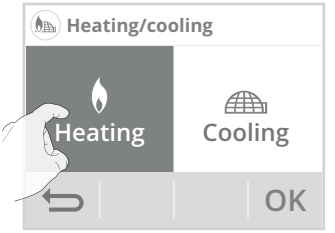
If you started the first heating, the counting of days (21 days) is displayed on the home screen.
To ensure a regular heating, no change of set point temperature or operating mode is possible during this period.



HEATING/COOLING

1- Press Heating/cooling.

2- Press the desired mode and confirm by pressing OK. The device automatically returns to the settings menu.

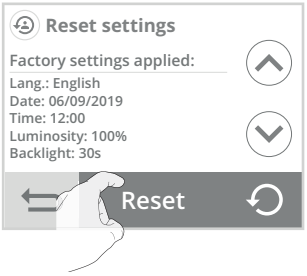


Note: the Cooling mode may not be available, it depends on the type of equipment you have selected. In this case, windows can then be grayed out.

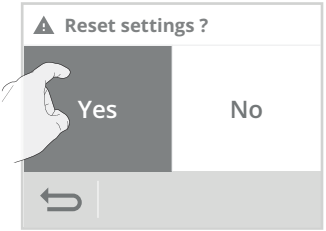
RESET USER SETTINGS

1- Press Reset. The list of applicable factory settings appears on the screen.

2- Press the button Reset .



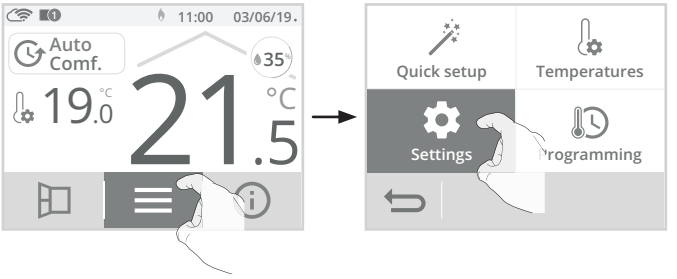
3- Press the button Yes to confirm the reset, and return to the Settings menu automatically.



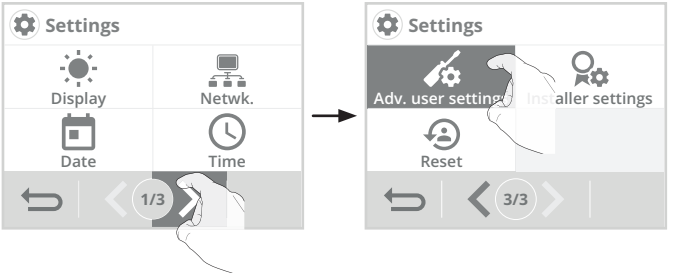
ADVANCED USER SETTINGS

- **Access**

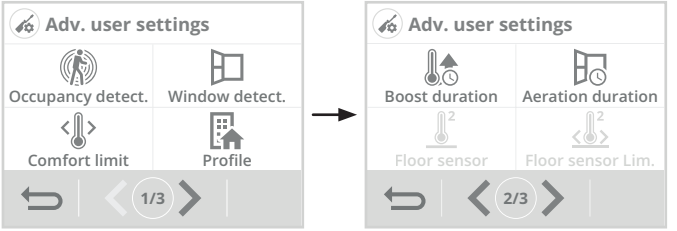
1- From the home screen, press ☰ and then Settings.

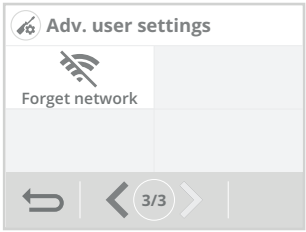


2- Scroll screens with ❮ / ❯ and press Advanced user settings.



- **Advanced user settings menu**

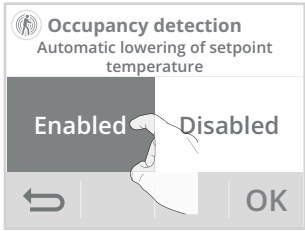




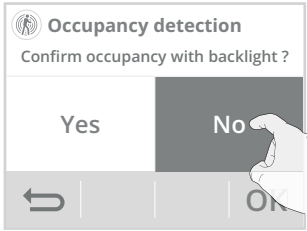
OCCUPANCY DETECTION: ACTIVATION/DEACTIVATION

1- Press Occupancy detection.

2- Press the desired value and OK to confirm.



3- If you have enabled occupancy detection, press Yes or No whether or not you want the screen to light to indicate that a presence is detected in the room.

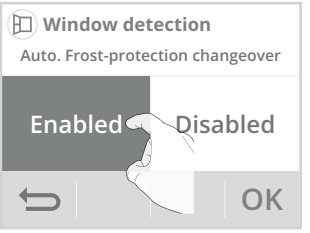


4- Press OK to confirm and automatically return to the advanced settings menu.

OPEN WINDOW DETECTION: ACTIVATION/DEACTIVATION OF THE AUTOMATIC MODE

1- Press Open window detection.

2- Press the desired value and OK to confirm and return to the advanced settings menu.



Note: Even if the automatic mode is disabled, you always have the option to use the manual mode (see page 37 chapter Manual Activation).

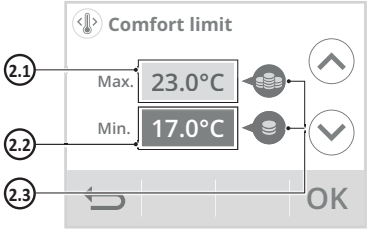
COMFORT SETTING TEMPERATURE LIMITATION (HEATING AND COOLING MODES)

You can limit the setting range of the setting temperature by putting a maximum and/or minimum stop to prevent unintentional temperature changes beyond those.

1- Press Comfort limitation.

2- Select the item to be changed (high or low-temperature limitation).

3- Press ^ or v to set the desired value and press OK to confirm. The device automatically returns to the advanced settings menu.



2.1- High-temperature limitation
Installation of a maximum stop preventing the setting temperature from rising above it. The maximum stop is preset at 30°C. You can vary it from 19°C to 30°C in 1°C intervals.

2.2- Low-temperature limitation
Installation of a minimum stop preventing the setting temperature from falling below it. The minimum stop is preset at 7°C. You can vary it from 7°C to 18°C in 1°C intervals.

2.3- Energy consumption gauge (see page 34).

USER PROFILE

The device has pre-set settings for each type of use.

1- Press Profile.

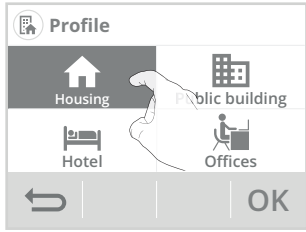
2- Select the profile you want and press OK to confirm and return to the advanced settings menu.

Housing = If the device is installed in an house (single-family house, apartment...)

Public building = If the device is installed in a public building (school building, town hall...)

Hotel = If the device is installed in a hotel or in a building with a similar use

Offices = If the device is installed in a business premises (offices...)

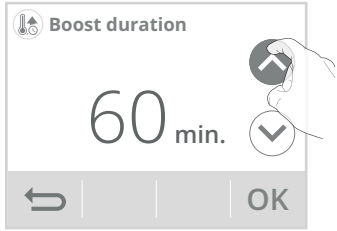


BOOST DURATION

Boost duration is preset to 60 minutes. It is adjustable between 30 and 180 minutes in 10 minutes intervals.

1- Press Boost duration.

2- Press ^ or v to set the desired value and press OK to confirm. The device automatically returns to the advanced settings menu.

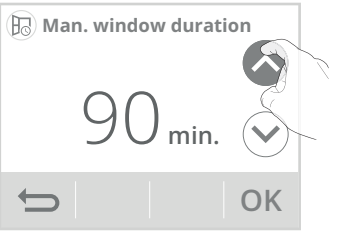


AERATION DURATION

You can change the duration of the aeration cycle applied when the window opening is manually activated (see page 37).
The duration of the aeration cycle is preset to 30 minutes. You can change it from 5 to 90 minutes in 5-minutes intervals.

1- Press Aeration duration.

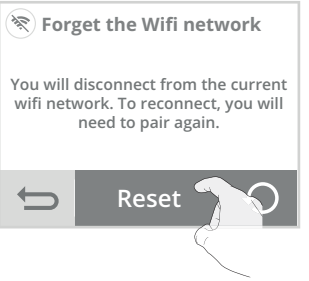
2- Press ^ or v to set the desired value and press OK to confirm. The device automatically returns to the advanced settings menu.



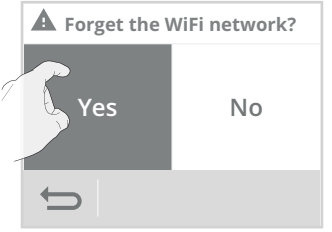
FORGET NETWORK

1- Press Forget network.

2- Press the button Reset ↻.



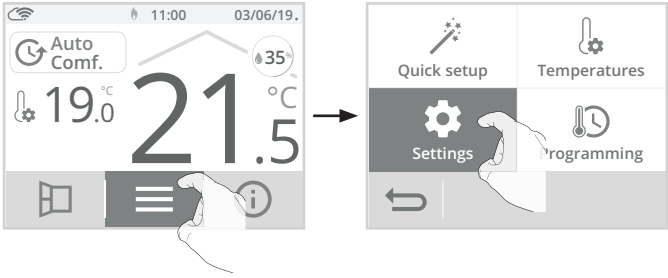
3- Press the button Yes to confirm the reset, and return to the Advanced settings menu automatically.



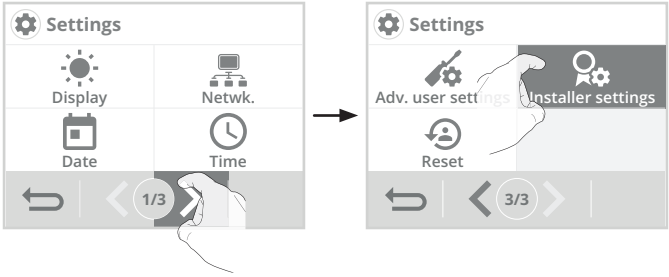
INSTALLER SETTINGS (ONLY ACCESSED BY THE INSTALLER)

- **Access**

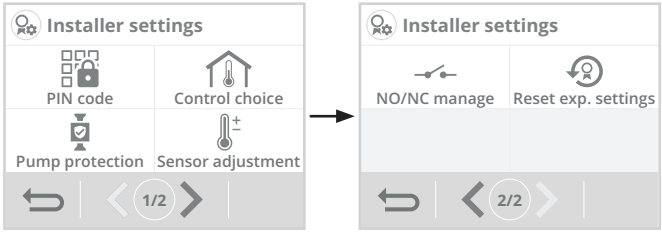
1- From the home screen, press ☰ and then Settings.



2- Scroll screens with ❮ / ❯ and press Installer settings.



- **Installer settings menu**



PIN CODE LOCK

• Overview

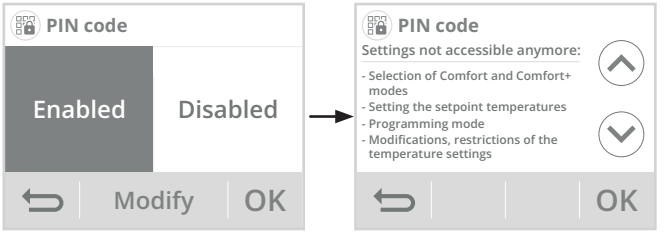
Your thermostat is protected by a safety code against non-authorised use. The PIN code (Personal Identity Number) is a customisable 4 numbers code. When enabled, it prevents access to the following settings:

- Selecting the Comfort mode: The access to the Comfort and Comfort+ modes are forbidden, only the Auto, Eco and Frost protection modes are available.
- Minimum and maximum limits of the set temperature range (the Comfort/Comfort+ temperature modification is forbidden out of the authorised setting range).
- Programming mode.
- Equipment choice.
- Selecting the heating or cooling mode.
- RF pairing between thermostat and receiver(s).
- Optimisation choice.
- Occupancy detection settings.
- Open window detection settings.
- Setting the Eco mode temperature lowering-level.
- Setting the Frost protection temperature.
- Ambient temperature sensor adjustment.

• Activation/deactivation of the PIN code

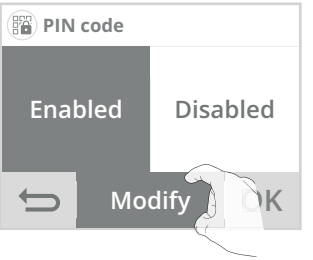
1- Press PIN code.

2- Press the desired value and OK to confirm. If you have activated the PIN code, the list of prohibited settings appears. Press ^ or v to scroll it and OK to confirm.

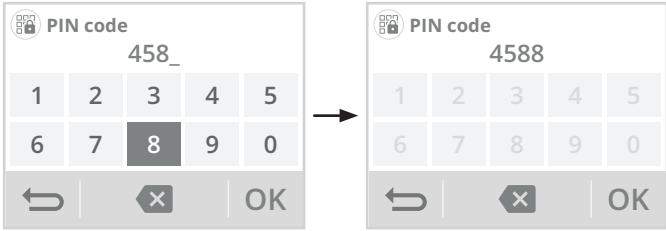


• Customizing the PIN code

1- Press Modify.



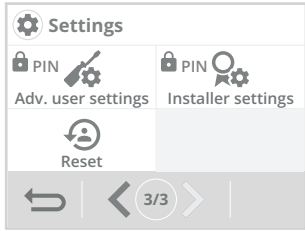
2- By default registered PIN code is 0000. Enter 0000 to initialize it and then, to modify it, enter the 4 digits of your choice by selecting them directly on the screen. Press OK to confirm the new PIN and return to the installer settings menu.



Note: If you are mistaken in the code, press ⌫ to delete.

The locked settings are then identified with a small padlock on the access button.

The PIN code is always requested to access the locked settings.



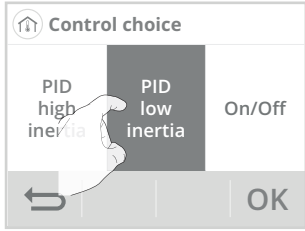
TYPE CONTROL CHOICE

The type of control depends on the equipment to be controlled.

Important: this operation is reserved for professional installers only, any wrong changes would result in control anomalies.

1- Press Control choice**.**

2- You can select the control choice.
PID high inertia = High accurate control mode (time proportional & integral) specially adapted to heating systems with high inertia (e.g underfloor heating, low-temperature radiators...)
PID low inertia = High accurate control mode (time proportional & integral) specially adapted to heating systems with low inertia (e.g gas boiler with steel or aluminum radiators...)
On/off = Standard control mode adapted to low inertia heating systems (e.g floor or wood boiler, elec. unit heater...)

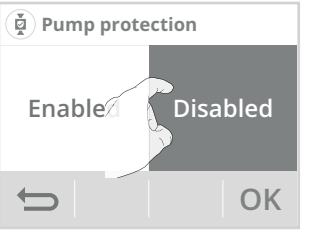


PUMP PROTECTION

In the case of a central heating installation, the circulation pump makes it possible to promote heat exchanges. The protection of this pump is enabled by default.
If no heat order has been detected for 10 days, then the circulator will run for 5 minutes.
In order to avoid a possible blockage of the pump (degumming) and the release of the various components of the installation (valves...), this function will start automatically between 10:00^{am} and 8:00^{pm}.

1- Press Pump protection.

2- Press the desired value and press OK to confirm. The device automatically returns to the installer settings menu.



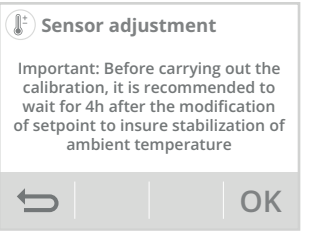
AMBIENT TEMPERATURE SENSOR ADJUSTMENT

- **Overview**

Important: This operation is reserved for professional installers only; any wrong changes would result in control anomalies.
In which case if the temperature measured (measured by a reliable thermometer) is different by at least 1°C or 2°C compared to the set temperature of the thermostat.
The calibration adjusts the temperature measured by the ambient temperature sensor to compensate for a deviation from + 5°C to - 5°C by intervals of 0.1°C.

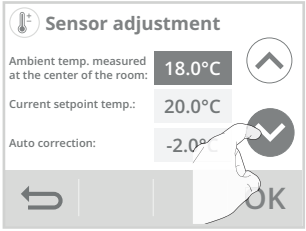
1- Press Sensor adjustment.

2- After reading the recommendations, press OK and proceed with the adjustment.

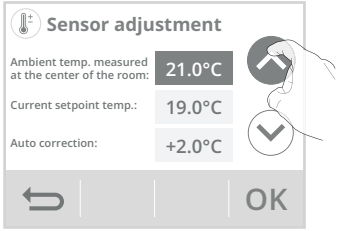


3- Enter the ambient temperature measured by your thermometer by pressing ^ or v. The device automatically proposes the temperature difference to be corrected, validate by pressing OK.

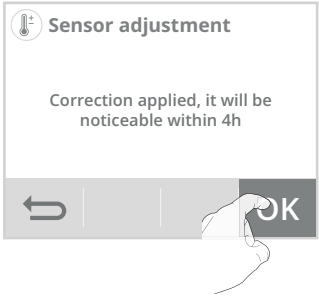
A- If the room temperature difference is negative, example:
Setting temperature (what you want) = 20°C.
Ambient temperature (what you read on a reliable thermometer) = 18°C.
Difference measured = -2°C.



B- If the room temperature difference is positive, example:
Setting temperature (what you want) = 19°C.
Ambient temperature (what you read on a reliable thermometer) = 21°C.
Difference measured = +2°C.



4- The appliance informs you that the temperature difference has been corrected and that it will be noticeable in a few hours. Press OK, the device automatically returns to the installer settings menu.

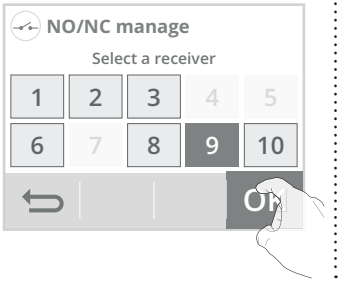


NO/NC MANAGEMENT

1- On the Installer settings page 2, press NO/NC manage**.**

2- Select the receiver you want to set, then press OK .

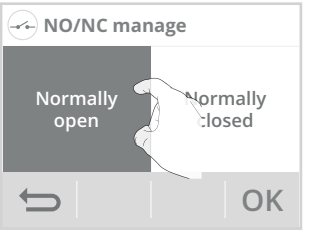
Note: When a receiver no longer communicates with the thermostat, its corresponding box will be on an orange background for the white / green, black / green theme and red background for the white / orange theme.



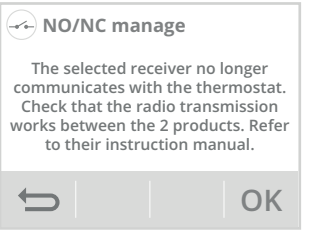
3- By default, the receiver is pre-set on NO.

Press the desired value and press OK to confirm.

The device automatically returns to the receiver display.



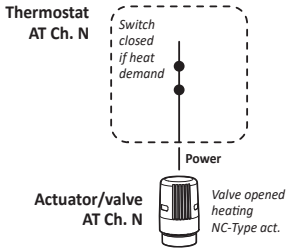
4- If the receiver and the thermostat are no longer communicating, the following information screen will appear. Repeat the RF pairing process described on page 55.

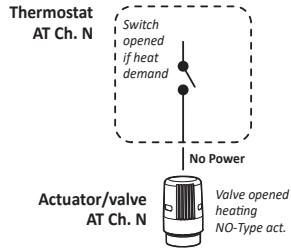


Circuit type	NO (default without heating request)	NC (default without heating request)
Relay contact	Electric current does not flow	Electric current flows
Valve and hydraulic circuit	The flow circulates when the valve is not supplied	The flow does not circulate when the valve is not supplied

- **Specificity for a valve or a hydraulic system:**

NC (normally closed) or NO (normally open) type relates to actuator type and means that valve and hydraulic circuit are closed or opened when actuator is not powered.

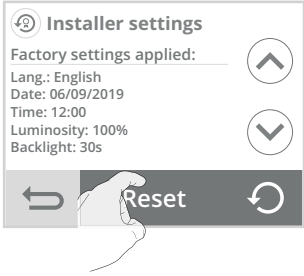




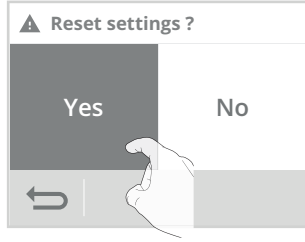
RESET INSTALLER SETTINGS

1- Press Reset exp. settings. The list of applicable factory settings appears on the screen.

2- Press the button Reset .



3- Press Yes to confirm the reset and return automatically to the Installer Settings menu.



? TROUBLESHOOTING

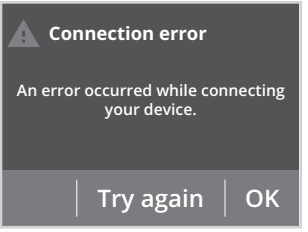
• Wifi connection

When the device connected to your wifi network has encountered an anomaly, an error message appears on the screen.

This message indicates that the device cannot connect to the wireless network.
You may have been mistaken in entering the digits of your wifi key into the device.

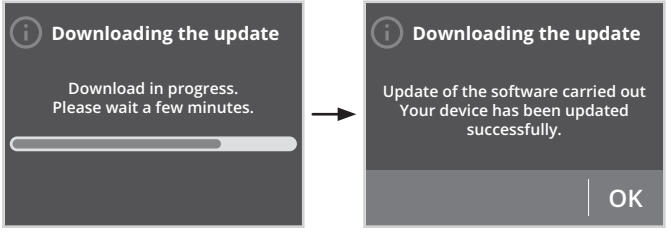
Check that your thermostat and your internet box are plugged in and turned on.

- Press Try again to restart the wifi pairing procedure and follow the instructions on the screen.
- Press OK to delete the error message and return to the home screen: the device is not connected to the wifi.



• Updating the device software

We periodically perform software updates to optimize the performances of your thermostat. When a software update is available for download, a notification appears on the screen and the device automatically downloads it. You have nothing to do, just wait a few minutes. During the update, all your settings are preserved. When the update is complete, a notification appears on the screen. Press OK, the device automatically returns to the original operating mode (active mode before the software update).

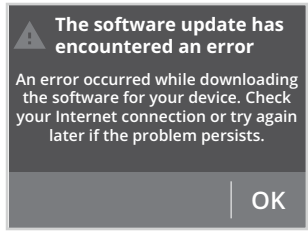


If the software update has encountered an anormality, an error message appears on the screen. This message indicates that the update server is having difficulty communicating with your device.

The update process may have stopped because you accidentally restarted your device or disconnected it from your WiFi network.

Make sure that your device is plugged in, turned on and connected to your wireless network (the

symbol should be displayed in the top panel of the screen).



• Equipment

The installation doesn't heat/cool:
- Check the position of the circuit breaker/power supply protection fuse in your fuse board.
- Check the device wiring.
- Check the active operating mode (see page 28), you could be in "Heating standby mode", in Auto mode or in "holiday mode".
- Check the ambient temperature using a thermometer: if it is elevated, the thermostat has reached the desired temperature setting, therefore it is normal that the device doesn't heat more.
- Switch the power off for 5 seconds at the mains supply then switch back on again.

The room temperature is not high enough, the installation is not providing enough heat/cool:
- Check the active operating mode (see page 28), you may be in Eco, Frost protection, Standby or in Auto mode, with an imposed stop order by the integrated programming.
- Activate the permanent Comfort mode.
- Check the active temperature setting and increase it if necessary (see page 33).
- Check the adjustment of the setting temperature limit (see page 66).
- If the problem persists, check the installation sizing compared with the room dimension and insulation.

The installation heats continuously:
- Check that the thermostat is not influenced by an airstream.
- Check that the set temperature has not been changed.

• Thermostat

Nothing appears on the screen:
- Check the circuit breaker or fuse connected to your heating or cooling system and turn it on if it is off.
- Make sure that the power switch of the heating or cooling system is on.

The display is difficult to read:
- Increase the brightness of the display (see page 49).

The ambient temperature is lower than the setting temperature:
- Check the programming mode. You may be in eco period.
- Check the time setting.
- Otherwise, switch the power off for 5 seconds at the mains supply then switch back on again.

The ambient temperature measured by a thermometer doesn't correspond to the set temperature after several hours.
- An offset is always possible, you can refine the device setting (see page 72).

The installation does not heat while the heating indicator is on:
- The heating symbol ON is lit on the display, the unit remains cold, contact your dealer/installer.

The installation does not cool anymore while the demand for cooling is activated and displayed:
- The cooling indicator ON is lit on the screen, the unit remains hot, contact your dealer/installer .

The device does not automatically a lower of

the temperature in the period of absence:
- Check that the occupancy detection is enabled (see page 65).
- Check that nothing disturb the operation of the occupancy detection (see page 18 and 36).

After a subsequent temperature drop at the opening of a window, the device will not enter in Frost protection mode:
- Check that the automatic mode of the open window detection is enabled (see page 66).
- Check the location of your thermostat (see page 37).
- Check that the temperature difference between the room air and outside air is significant.

The device automatically enters in Eco or Frost protection mode in your presence and closed windows:
- Disable the automatic open window detection mode (see page 66).
- Disable the occupancy detection (see page 65).

The device is in self-programming mode and you observe a delay between the active mode Comfort or Eco and your requirement:
- The self-programming works by detecting and learning of your occupancy cycles, the thermostat defines the future programme by adapting to the different observations made in occupancy in the previous week.
  If your lifestyle is irregular, for example, every week is different, it is impossible to determine exactly your requirements in advance. Self-programming, such as weekly and daily programming, can never fully match. In this case, it is advisable to use only the presence / absence detection and to program your device in permanent Comfort (see pages 40 and 65).
- The optimisation function can generate slight offsets to guarantee the level of comfort at the right time or to save energy by slightly anticipating an Eco passage.
- Check that the presence / absence detector is not disturbed or blocked by an external source (see page 36).

The device is self-programmed but no period is programmed (ECO registration is displayed on the display):
- Check that the presence / absence detector is not disturbed or blocked by an external source (see page 36).

The device is in self-programming mode but the ambient temperature is not sufficient at the beginning of the period Comfort:
- Check the Eco lowering level (see page 33):
  - If it is below -3.5°C, for example, -5°C, the difference between the Comfort and Eco setpoint temperature is too high, which explains the perceived temperature difference at the beginning of the Comfort period. It is therefore recommended to set it to its initial value -3.5°C.
  - If the Eco lowering level is -3.5°C, set it to -2°C to reduce the difference between the Comfort and Eco setpoint temperatures.

You want to increase or decrease the setting temperature but pressing a key on the keyboard has no effect.
- If the padlock symbol is displayed, the keypad lock is enabled. Unlock the keypad as shown in the manual, child anti-tamper section (see page 35).
- Check the PIN code lock and the limitation of the Comfort setting temperature (see pages 66 and 70).

You made a mistake while setting the advanced settings:
- Just restore factory settings – see the "Reset settings" paragraph (page 63 and 75).
  This will erase any programmes that you would have implemented.

• Receiver

The receiver is not working:
- No power supply to receiver: check the circuit breaker or the fuse in the power supply circuit.
- Another emitter may be causing inference which is preventing the link between the thermostat and the receiver from working properly.

The 2 receiver lights are blinking orange.
- Contact your installer.

The 2 receiver lights are blinking red.
- Contact your installer.

• Thermostat/receiver RF transmission

The radio transmission does not work properly:

Beforehand:
- Check the level of radio transmission (see receiver information on page 56). If the level is low, make sure that the radio transmission has not been interrupted, move the thermostat closer to the receiver.
- Check that the receiver is not influenced by an external heat source.

1-The receiver does not receive orders sent by the thermostat.
- Cancel the radio association on the thermostat then repeat the radio association procedure (see page 52).

2-The receiver does not recognize the radio message from the thermostat.
- Renew the association procedure (see page 52).

3-The receiver or the thermostat is disturbed by interference:
- Move the thermostat out of the disturbed area.
- Move the parasitic transmitter.

4-Loss of radio link between the device and the thermostat:
- Repeat the radio association procedure (see page 52).

If the problem persists, then contact your re-seller/installer.

TECHNICAL SPECIFICATIONS

• Thermostat

- Thermostat Power supply by external Sector adapter, included in the kit:
  - Mains Voltage: 220-240V AC +/-10% / 50Hz / 0,3A max.
  - Output: 5VDC+/-5%, 1,5A, USB type A, protected against short circuit.
- Standby power: <1W.
- Wifi RF port (connection with internet box): WIFI 802.11 b/g/n.
  - Radio frequency: 2400-2483Mhz.
  - RF power: <100mW.
  - Receiver category: 2.
- Lora RF port (connection with the receiver(s)):
  - Radio frequency: 869.85 Mhz.
  - Radio power: <20mW.
  - Receiver category: 3.
- Safety: Class II / IP20 / Pollution degree: 2 / Rated Impulse voltage: 4000V.

Environment:
- Operation: 0°C to + 40°C.
- Storage temperature: -10°C to + 65°C.
- Humidity: 80% at + 25°C (non-condensing).

WiFi specifications
- Use of standard WiFi: IEEE802.11b / g / n 2.4GHz.

- The network name (SSID) must be between 1 and 32 characters without an accent. Spaces and special characters are allowed.
- The WiFi network password must be between 8 and 64 characters without an accent. Spaces and special characters are allowed.
- It is recommended to use the security type WPA2 AES.
- The range of WiFi is the same as a mobile phone (about 10-12 meters).
- Limit interference from wireless devices.
- Check that there are no obstacles between the device and the internet router. The WiFi signal strength can be reduced by electrical devices, thick walls, etc.
- The use of a WiFi repeater/extender is recommended for larger homes/buildings.

Declaration of conformity UE: We declare under our sole responsibility that the products presented in our instructions meet all the essential requirements of the following directives and standards:

- RED 2014/53/EU:
  - Article 3.1a (Safety): EN60730-1 / EN60730-2-7 / EN60730-2-9 / EN62311;
  - Article 3.1b (EMC): ETSI EN301489-1 / ETSI EN301489-17;
  - Article 3.2 (RF): ETSI EN300328-1; ETSI EN300-220-1;
- RoHS 2011/65/EU, modified by directives 2015/863/EU and 2017/2102/EU: EN 50581

and are produced according to ISO 9001 V2015 certified processes.

Can be used anywhere in Europe.

Control class and energy contribution, according to ERP 2009/125/EC and related regulations
Class IV - PID Room Thermostat, for use with on/off heating devices.
Electronic room thermostat that controls both the cycle time of the thermostat and the ratio between on and off periods during the same cycle of the heating device, depending on the room temperature. PID control reduces the average water temperature, improves the accuracy of room temperature control and increases system efficiency.

• Receiver

- Mains supply: 230V AC + 10 / -15%, 50 Hz.
- Power in standby mode: <0.5W.
- Potential-free relay output 10A between terminals 1 and 2 (on resistive load) 230V.
- Automatic action: 100 000 cycles / Micro disconnection: Type 1B.
- Safety : Class II / IP44 / Pollution degree: 2 / Rated impulse voltage: 4000V
- Lora RF port (connection with thermostat)
  - Radio frequency: 869.85Mhz.
  - Radio power: <15dbm.
  - Receiver category: 3.

Dimensions:
- Case (mounting on recessed box): 90 x 89.5 x 19mm.

Environment:
- Operation: 0°C to + 40°C.
- Storage: -20°C to + 60°C.
- Humidity: 80% at 25°C (non-condensing).

Declaration of conformity UE: We declare under our sole responsibility that the product presented in this manual meets all the essential requirements of the following directives and harmonized standards:

- RED 2014/53/EU:
  - Article 3.1a (Safety): EN60730-1 / EN60730-2-9 / EN62311;
  - Article 3.1b (EMC): ETSI EN301489-1 / ETSI EN301489-17;
  - Article 3.2 (RF): ETSI EN300328-1;
- RoHS 2011/65/EU, modified by directives 2015/863/EU and 2017/2102/EU: EN 50581 and are produced according to ISO 9001 V2015 certified processes.

Can be used anywhere in Europe.

Manufactured by: Neomitis Ltd (contactuk@neomitis.com)

The,  on the product indicates that you must dispose of it at the end of its useful life at a special recycling point, in accordance with European Directive WEEE 2012/19/EU. If you are replacing it, you can also return it to the retailer from which you buy the replacement equipment. Thus, it is not ordinary household waste. Recycling products enables us to protect the environment and to use less natural resources.

PRODUCT CODE

The product described in this instruction manual are related to the below product code and reference:

Reference	Designation
ERTRFTBA	Smart and connected programmable black thermostat, radio version with table stand

LEGAL GUARANTEE (EXTRACT OF TERMS AND CONDITIONS)

Clause 6 - Guarantee:

6.1. Guarantee of patent defects - Principle: Our products must be verified by the customer upon delivery. Any and all claims, reservations or disputes regarding missing items and patent defects must be submitted in the manner set forth in these General Terms and Conditions.

In the event of patent defects, the defective parts shall be replaced by us, subject to verification of the alleged defects.

We shall not be held responsible for patent defects or missing parts of which the purchaser was aware before entering into the sales agreement.

The customer shall have to provide any and all evidence as to the reality of the defects noted (paperwork, photographs, etc.), and our company reserves the right carry out, directly or indirectly, any and all checks and verifications, notably on site.

Notice of the missing items or of the patent defects which were noted at the time of delivery, and those discovered after acceptance and intake of the products, shall have to be provided by the customer in writing within twenty-four hours following the date on which the latter discovered the said missing item or defect. No notice shall be taken into account if it is provided more than eight full days following delivery of the products. Once said timeframe has expired, the customer shall no longer be able to put forward as a ground non-conformity of the products as regards patent defects or missing items, or raise said non-conformity in a counter-claim in its defence at the time of legal proceedings regarding the collection of monies owed brought by our company.

6.2. Guarantee of hidden defects: Our company guarantees its products against the hidden defects which existed on the date on which products are delivered, in accordance with the law, under the terms set forth hereinafter.

Our guarantee only applies to products which have lawfully become the property of the purchaser. It only applies to products which were manufactured in full by our company.

Our guarantee covers hidden defects. Since our customers are trade professionals, a hidden defect is defined as an unacceptable manufacturing defect affecting a product which renders the latter unfit for the intended use thereof which is not liable to be detected by the purchaser before it is used. "Unfit for the intended use thereof" means that the defect prevents the piece of equipment from operating. Thus, the design of the product is not covered by the hidden defects guarantee – our customers are deemed to have received all of the technical information regarding our products. We do not guarantee against malfunctions or damage or wear and tear arising out of adaptations or fitting of our products which are special or unusual or usual. Likewise, allegations regarding occasional or variable malfunctions, a lack of comfort, unhappiness regarding the results obtained, aesthetic defects, in particular, are not covered by the guarantee against hidden defects. A defect is not hidden if, despite the fact that the purchaser was not aware of it in good faith, it could have been discovered by carrying out basic verifications.

Our guarantee is limited to the replacement or repair of defective parts. It does not give rise to compensation.

6.3. Contractual guarantee: A specific contractual guarantee can be provided by our company for such equipment. In such case it shall be strictly limited to the stipulations set forth by us.

6.4. Terms covering the application of guarantees: Any and all requests for coverage in respect of the guarantee must be made using our After-Sales Service Return Request Form. All claims must be made by the Customer to the Supplier's After-Sales Service Department, given that no direct claims by the user shall be taken into account. The guarantee request shall be taken into account upon production of a dated purchase receipt.

It is the responsibility of the purchaser who alleges a defect, regardless of the defect in question, to provide proof of the existence and of the nature thereof. An application is for-warded by the purchaser to our staff. Likewise, any and all guarantee requests shall have to be accompanied by evidence that it does not fall under one of the said exclusion cases. The purchaser must do his or her utmost to enable said defects to be officially recorded and remedied. He or she must further-more absolutely abstain from replacing the products or have said replacement carried out by a third party, failing which guarantee coverage shall not be provided.

The guarantee coverage is limited to merely exchanging or repairing the defective part. If it proves indispensable, after examination by the Supplier's Technical Staff, replacement of the appliance in full shall be carried out as a temporary measure. Said replacement measure, taken as a temporary measure, under no circumstances howsoever constitutes an acknowledgment of responsibility on our part. In the event of replacement of the defective part or of the appliance as a whole, transport, removal and fitting costs are excluded from the guarantee. In the event of immediate replacement as a temporary measure, the defective equipment shall have to reach our staff within fifteen calendar days of the replacement thereof. Failing which, the replaced equipment shall be invoiced.

All returns shall be carried out in suitable packaging, with the equipment properly wedged. The cost of the return shall be borne by the customer. No returns of parts shall be accepted unless approved beforehand by our After-Sales Service Department. The customer shall receive an assessment carried out by our After-Sales Service Department in the event that the latter concludes that the return was unjustified.

The guarantee coverage excludes any and all compensation in respect of damages. The installer must be insured against any eventual damage.

Moreover, our guarantee automatically ceases to apply when our customer has not notified us of the alleged de

fect within a timeframe of thirty full days from the date of the facts cited as justifying the claim for guarantee coverage.

The onus is on the customer to provide evidence of the dates referred to in the claim.

6.5. Specific exclusion in respect of apparent defects: Defects and damage to the products delivered consecutive upon circumstances relating to carriage, to storage and/or to preservation conditions at the customer's premises, in particular in the event of an accident of any type howsoever, shall not give rise to an entitlement under the guarantee provided by our company.
The guarantee does not apply to equipment already resold by our purchaser.

6.6. General exclusions in respect of the all the guarantees: All guarantees are invalid as soon as our products have been used under usage or performance circumstances for which they were not intended or which do not constitute normal usage.
The guarantees do not apply if the following conditions have not been complied with, to whit notably:
- Storage away from sources of humidity and the effects of bad weather.
- Set-up and installation in accordance with best practice.
- Utilisation with a 230V domestic power supply.
- Utilisation compliant with the Supplier's instructions for installation and use.

The guarantees do not apply to any eventual damage which is the consequence of overvoltage or other faults which occur in power supply and distribution circuits.
The guarantees apply to corrosion defects only if the appliances are used in accordance with the usual circumstances which apply in a single housing unit or in the tertiary sector; in particular they must not be:
- Subject to intensive and continuous ambient humidity (from swimming pools, etc.);
- Cleaned using acidic substances which are liable to affect their properties.

The development of a shade of colour over time is a natural phenomenon and cannot give rise to a guarantee claim.
The guarantees do not come into play if the acquirer cannot provide evidence of full payment for supplies and/or if the installation and usage instructions provided by the vendor were not complied with, and less specifically in the event that the damage caused arose out of the actions of the purchaser or of the servants thereof, out of force majeure circumstances or out of unforeseen circumstances.
The guarantees do not apply in the event of a defect originating either in the components supplied by the purchaser and in the event of a design having been required by the purchaser, without the vendor having taken part in said end design process, or if the product did not meet aims determined by the customer of which the vendor was not notified. All points not mentioned in writing in the order are not guaranteed. All damage caused by normal wear and tear is also excluded from the guarantee.

The guarantees only apply to products produced in production runs, to the exclusion of prototypes and samples.

6.8. Guarantee period: The guarantee period for missing parts and patent defects varies depending on the nature of the defect in question and on the type of equipment in question:
- As regards domestic hot water heat pumps: a 3-year guarantee on the product and a 5-year guarantee on the tank (anode excluded) from delivery of the appliance in the case of a non-compliance defect;
- As regards electric radiators, electric towel rails and accessories: a guarantee lasting 30 months from delivery of the appliance up to a maximum of 36 months after its manufacturing date in the case of a non-compliance defect;
- As regards spare parts: 2 years from the exchange.
- As regards wall sockets, room thermostats, programmers, programmable smart and connected digital room thermostats, a 3-year guarantee from delivery of the appliance.
- As regards wired mechanical room thermostat, analog cylinder thermostat, motorised zone valves, thermoelectric actuator, a 2- year guarantee from delivery of the appliance.

The guarantee for hidden defects is provided for duration of 30 months from delivery.
The spare parts vital for the use of the machine or equivalent spare parts continue to be available for five years from the date of manufacture of the appliance.
Work carried out under the guarantee does not have the effect of extending the duration of the guarantee.

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