



EN INSTRUCTION MANUAL

BLOWER WITH RF REMOTE CONTROL

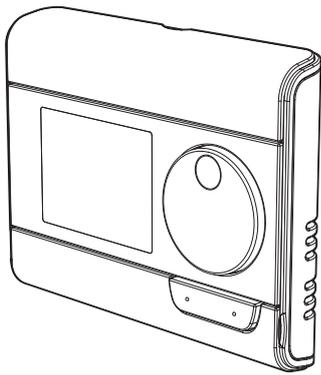


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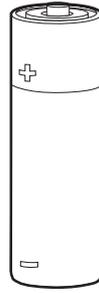
PACK CONTAINS



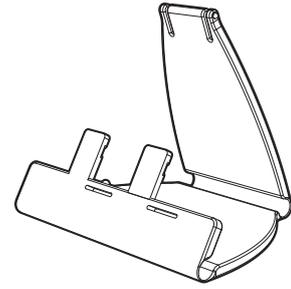
x2
Screw Anchor



x2
Screw for base
attaching



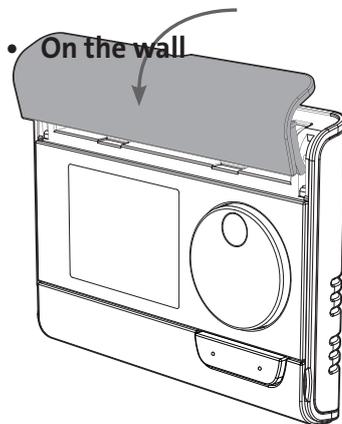
x2
AA Batteries
(LR6)



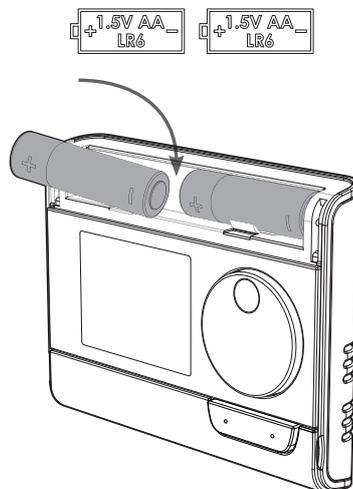
x1
Thermostat
table stand

INSTALLING BATTERIES

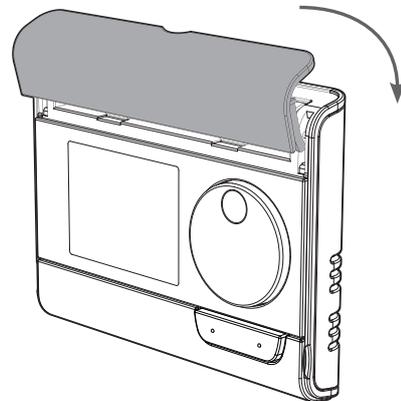
1- Remove the batterie cover which is placed on the front of the thermostat.



2- Insert the 2 AA batteries supplied. Note the correct polarity according to the engraving on the thermostat when inserting the batteries.

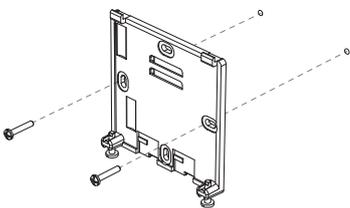


3- Replace the batterie cover.

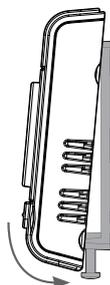


MOUNTING OF THERMOSTAT

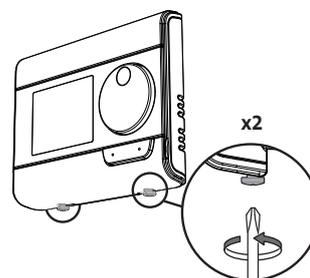
3- Secure the wall plate with the two screws provided using the horizontal and vertical holes.



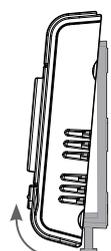
4- Replace the thermostat on the wallplate.



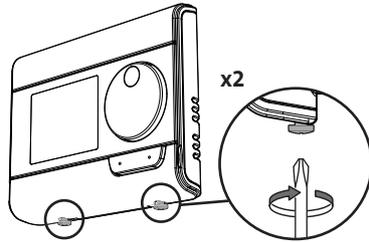
1- Unscrew the 2 screws under the thermostat.



2- Remove the wallplate from the thermostat.

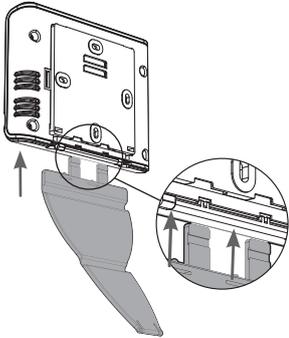


5- Secure the thermostat by screwing the locking screws under the thermostat.

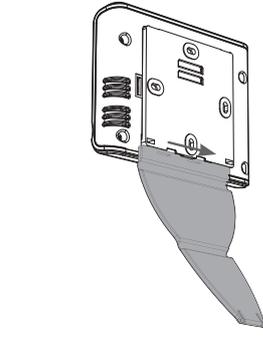


• On the table stand

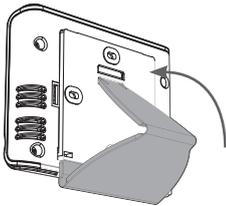
1- Insert the 2 pins inside the wallplate.



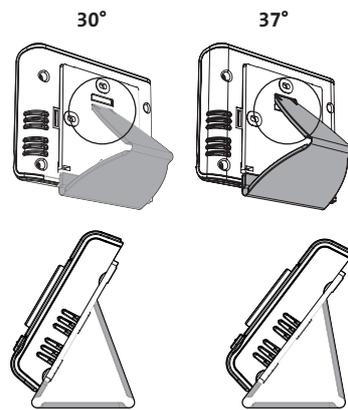
2- Slide the stand to the right.



3- Fold the stand and lock it into the wallplate.

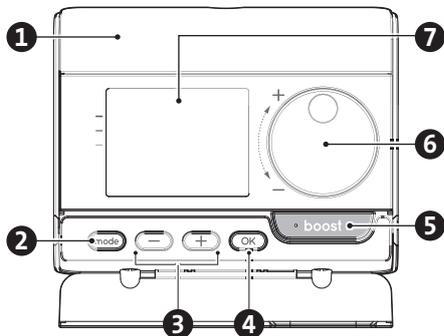


4- Tilt the thermostat according to its placement in the room. 2 tilts are available.



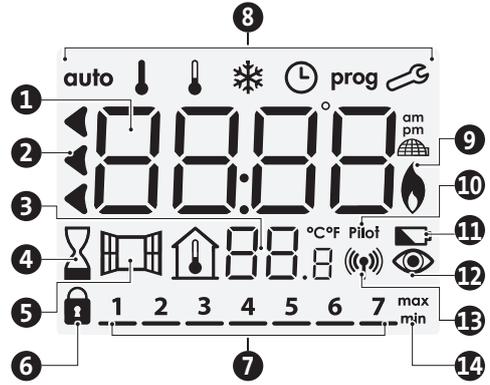
CONTROLS AND DISPLAY

• Thermostat buttons overview



- 1 Batteries compartment
- 2 Selecting operating modes
- 3 Plus and minus buttons, used to set temperatures, time, date and programmes
- 4 Save settings
- 5 Boost button
- 6 Rotary dial
- 7 LCD display

• LCD Display (Indicators overview)



- 1 Temperature setpoint / Information
- 2 Gauge consumption
- 3 Measured ambient temperature
- 4 Boost indicator light
- 5 Open window detection indicator
- 6 Keypad locked
- 7 Days of the week (1=Monday ... 7=Sunday)
- 8 Operating modes: auto Auto mode - ↓ Comfort mode - ↓ Eco mode * Frost protection mode - ⌚ Time and date setting mode prog Programming mode - ⚙ Settings
- 9 Heating/cooling indicator
- 10 Pilot wire signal indicator
- 11 Low battery indicator
- 12 Occupancy detection indicator
- 13 Radio transmission indicator
- 14 Min/Max value indicator

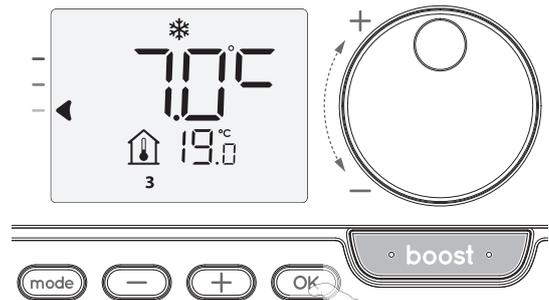
Important: In Auto, Comfort, Eco and Standby mode, backlight turns off automatically after 4 seconds if no buttons are pressed. It will be necessary to reactivate it by pressing one of the keypad buttons before making settings.

RF PAIRING AND MANAGEMENT

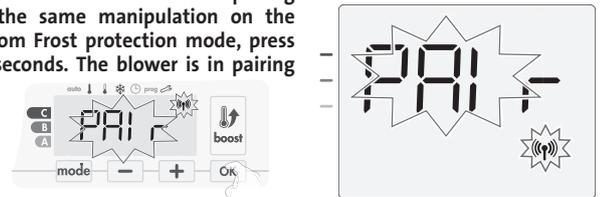
• RF pairing between the remote control and the blower

The remote control and the blower are not paired together at the factory, then proceed as follow:

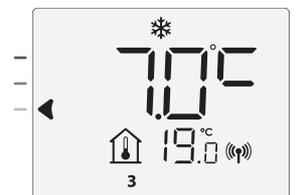
- 1- From frost protection mode, press **OK** for 5 seconds. To cancel the pairing process, press any button.



- 2- The remote is in pairing mode. Then proceed to the device control pairing (Perform the same manipulation on the blower. From Frost protection mode, press OK for 5 seconds. The blower is in pairing mode).



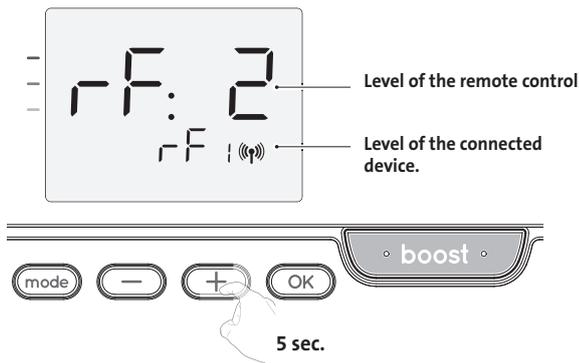
- 3- When both device and remote control are linked, the **RF** symbol appears and is constantly displayed. The device returns automatically to the frost protection mode.



● Check the RF signal strength (only if paired)

You can check at any time the RF transmission performance between the device and the remote control.

To view the RF reception level, from Frost protection mode, press **+** for 5 seconds. Then the level appears on the display.



0 = High RF transmission level, the location of the remote control is optimized.

9 = Low RF transmission level:

To improve the RF transmission performance between the 2 devices and ensure the remote management is optimized:

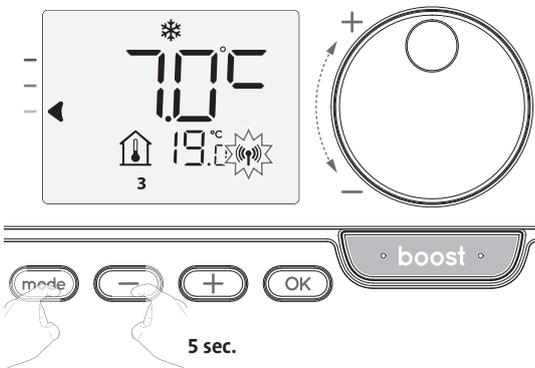
- Please ensure the RF transmission is not interrupted, move the remote control.
- Move the remote control closer to the device.

When the remote control is paired with the blower, the blower buttons are disabled.

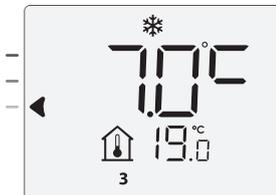
● RF pairing cancellation

You can cancel at any time the RF transmission between the device and the remote control.

From frost protection mode press simultaneously **mode** and **-** for 5 seconds.



The **RF** symbol disappear from the display, the remote control and the device are not associated anymore.



The **RF** symbol disappears from the display, the remote control and the device are not associated.

OPERATING

Before carrying out any setting procedures, ensure that the keypad is indeed unlocked (see page 5).

POWER ON /STANDBY MODE

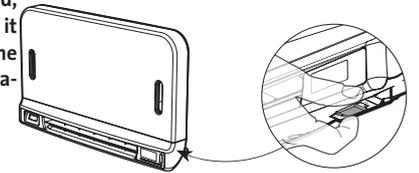
When the blower is on standby mode, 2 lines appear on the remote control display.



To exit standby mode, press the standby button.

Power on feature

When this feature is first used, press the button (switch) so that it switches to the **I** located below the blower to put the device in operation.

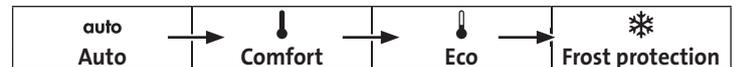


SELECTING THE OPERATING MODE

The **mode** button allows you to adapt the operating schedule of your device to your needs, depending on the season, whether your home is occupied or not.

By pressing the **mode** button once or several times, select the required mode.

Mode sequence:



Mode overview

Display

• auto Auto Mode

In Automatic Mode, the device will automatically change from Comfort mode to Eco mode according to the established programme.



2 different cases depending on your set-up:

1 7 day and daily programme

Your device has been programmed and is executing Comfort and Eco mode orders in line with the settings and time periods you have selected (see "7 day and daily programme integrated" chapter page 5).

2 Programming by pilot wire

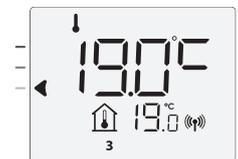
If you do not want to use the programming feature.

The device equipped with occupancy detector is delivered by default with the self-learning mode enabled.

Orders sent by the pilot wire will only be applied in Auto mode, thus your device will automatically receive and apply the programmed orders sent by your power manager or your time switches (see "Information about remote control by pilot wire" chapter page 8).

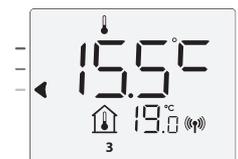
• Comfort mode

Non-stop Comfort mode. The device will operate 24 hours a day to achieve the temperature which has been set (e.g. 19°C). The Comfort mode temperature level can be set by the user (see page 5).



• Eco mode

Eco, which means the Comfort Mode temperature minus 3.5°C. This enables you to lower the temperature without having to reset the Comfort Mode temperature. Select this mode for short-term absences (between 2 and 24h) or during the night.



Mode overview

Display

-  Frost protection mode
This mode enables you to protect your home against the effects of cold weather (frozen pipes, etc.), by maintaining a minimum temperature of 7°C in it at all times. Select this mode when you will be away from your home for a long time (more than 5 days).



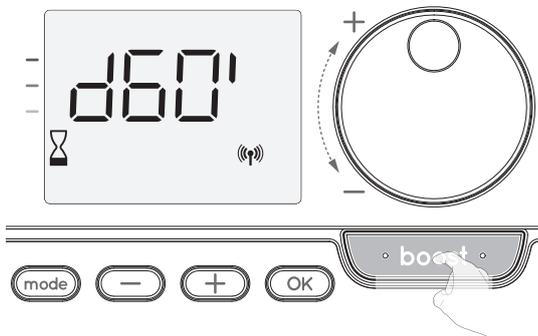
Restoring factory settings: See page 15.

BOOST FEATURE

Important: the Boost mode can be enabled at any time, whatever the current operating mode (Auto, Comfort, Eco or Frost protection).

To activate Boost mode, press  the desired temperature setting will be set at maximum for the time period you request. 60 minutes display will flash by default.

- First press: Boost

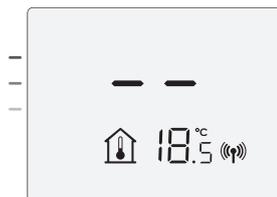


Comments:

- If the heating indicator is switched on, the blower switches on and heats the room in addition to the heat emitted by the device.
- At any time, you can modify the Boost duration from 0 to the maximal authorised duration of the Boost, such as defined during the advanced settings (see page 10 for more details) by intervals of 5 minutes by turning the dial. this modification will be saved and effective for the next Boost.

The Boost can stop for 3 different reasons:

- An order "Stop" has been sent by your energy manager through the pilot wire:



The blower stops, -- appears. The cursor moves above auto. When the order Comfort will be sent, the device will be restarted until the count end.

- FIL appears on the display



The blower continues to operate but does not heat up. If the controller is a blower, check if nothing is put in front of the ventilation grid to not block the air flow. The filter could be plug by dust, it must be cleaned.

Comment: on a blower, if the filter is obstructed or if the grid is covered involuntary, a special sensor switches off the device. The normal operating of the device will start again at the next start-up, if the filter or the grid is not obstructed, and only after the device has cooled down.

- If the ambient temperature reaches the maximal Boost temperature during the count:

The blower switches off but the Boost mode is always active: the count is always displayed, the Boost symbol and the heating indicator flash on the display. When the temperature drops under the maximal authorised temperature, the blower will be restarted until the count ends.



- Second press: Boost cancellation.

The cursor moves above the previous active mode and the setting temperature appears.

SUPER COMFORT

(POST-VENTING SEE BLOWER USER MANUAL P.6)

The blower could be used as an instant additional heating in case of an important difference between the ambient temperature and the desired temperature setting.

The Super Comfort switches on if the difference between the ambient temperature and the setting temperature is higher than 2°C.

The Super Comfort is enabled by default (see chapter "User settings" page 9 then Super Comfort mode page 10).

Example: the device is in Eco set 17,5°C, you decide to switch in Comfort mode: the difference between 21°C and 17,5°C is 3,5°C, so higher than 2°C.

The blower starts up automatically to help the temperature increase and attain the 21°C desired.

The Boost symbol and the heating indicator appears on the display and the cursor above the selected mode will flash.



SCF and the setting temperature Super Comfort appears on the display.

The Super Comfort stops if:

- The difference is less or equal to 0,5°C.
- The difference is always higher than 2°C after 1hr of Super Comfort.

Comment: the Super Comfort is valid in Comfort and Auto-Comfort mode only.

GAUGE CONSUMPTION, ENERGY SAVINGS

France's Agency for Environment and Energy Management (ADEME) recommends a Comfort setting temperature lower or equal to 19°C.

In the device display, an indicator shows the energy consumption level by positioning it in front of the colour: red, orange or green. You can choose your level of energy usage, depending on the setting temperature. As the temperature setting increases, the consumption will be higher.

The gauge appears in Auto, Comfort, Eco and Frost protection modes and whatever the temperature level.

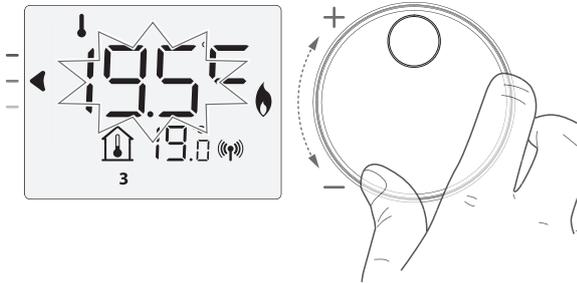
<p>C - Red colour High Temperature level: it is advisable to significantly reduce the setting temperature.</p>	<p>Setting temperature > 22°C When the setting temperature is higher than 22°C</p>	
<p>B - Orange colour Average temperature level: it is advisable to slightly reduce the setting temperature.</p>	<p>19°C < Setting temperature ≤ 22°C When the setting temperature is higher than 19°C and lower or equal to 22°C</p>	
<p>A - Green colour Ideal settings.</p>	<p>Setting temperature ≤ 19°C When the setting temperature is lower or equal to 19°C</p>	

SETTING THE COMFORT MODE TEMPERATURE

You can access the Comfort temperature set up from the Auto and Comfort Modes. It is preset to 19°C.

Using the rotary dial, you can adjust the temperature from 7°C to 30°C by intervals of 0.5°C.

Note: you can limit the Comfort temperature, see page 10 for more details.



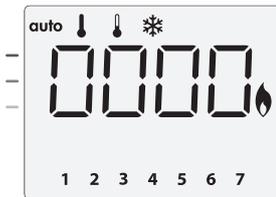
CONSUMPTION INDICATION ACCUMULATED IN KWH, ENERGY SAVINGS

It is possible to see the estimation of energy consumption in kWh since the last reset of the energy meter.

● Display of the estimated power consumption

To see this estimation, from Auto, Comfort, Eco or Frost protection mode, then press **OK**.

To exit the display mode of consumption: press **OK** or **mode**, the device returns automatically in the previous active mode.



● Resetting the energy meter

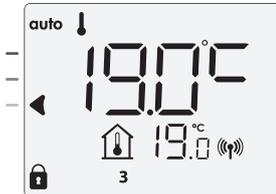
To reset the energy meter, from Auto, Comfort, Eco or Frost protection mode, then proceed as follows.

- 1- Press **OK**.
- 2- Press simultaneously **-** and **+** for more than 5 seconds.
To exit resetting the energy meter, press any button, the device returns automatically in the previous active mode.

CHILD ANTI-TAMPER, KEYPAD LOCK/UNLOCK

● Keypad lock

To lock the keypad, press and hold the **-** and **+** buttons for 10 seconds. The padlock symbol  appears on the display, the keypad is locked.

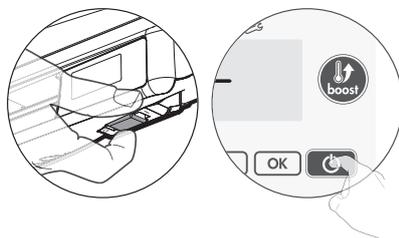


● Keypad unlock

To unlock the keypad, press and hold the **-** and **+** buttons for 10 seconds again. The padlock symbol  disappears from the display, keypad is unlocked.

 **Important: when the keypad is locked, only the button (or switch) is active.**

If the device is on Standby mode when the keypad is locked, you have to unlock it for the next heating on to access the setup.



7 DAY AND DAILY PROGRAMME INTEGRATED, ENERGY SAVINGS

AUTOMATIC PROGRAMMING WITH SELF-LEARNING PROCESS

This feature is available on products equipped with occupancy detector.

● Overview

Auto-programming (Auto): After an initial learning period of one week, the device will analyze occupancy cycles to determine and implement a weekly programme adapted to your lifecycle alternating periods in comfort and periods in eco, the goal being to deliver the most efficient yet comfortable and user focused heating cycle. The products 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 device, the mode "auto-programme" is activated by default, in mode Auto. To deactivate and change the programme, see choice and affectation of programmes page 7.

The first week of operation is a learning week during which the device memorizes your habits and elaborates a programme for the week.

It therefore defines a programme built up of periods of Comfort and Eco, independently for each day of the week.

During this learning week, the device will provisionally function in permanent "Comfort" mode.

Important: To ensure the auto-programming is optimized, please ensure the presence detection sensor is not obstructed by an external source, refer to your device's instruction manual.



Example of display in Comfort period



Example of display in Eco period

● Application of the intelligent 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 intelligent programme "Auto", adjusting the Comfort and Eco periods to fit closely to your lifestyle.

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

- Example 2: You select frost protection mode before going on holiday. Upon your return, when you return to Auto mode, the unit will automatically apply the previously stored intelligent programme from the last week before you left.

In the case of control by pilot wire coming from an energy manager for example, the pilot wire will take precedence over the AUTO programme which results from the Self-learning algorithm.

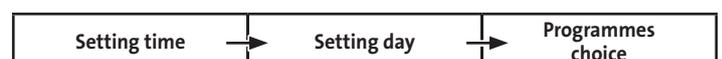
7 DAY AND DAILY PROGRAMME

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

● Access to the programming mode

From Auto, Comfort, Eco or Frost protection mode, press **mode** for 5 seconds to enter into the programming mode.

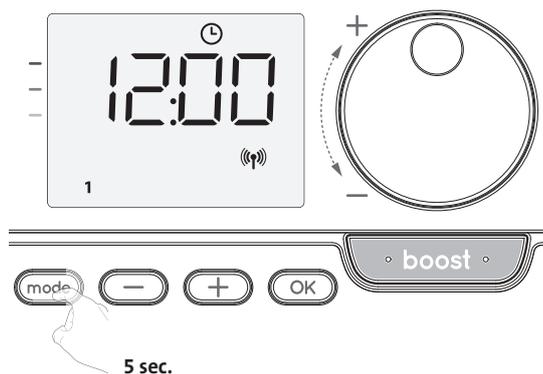
Schematic sequence of programming settings:



● Setting day and time

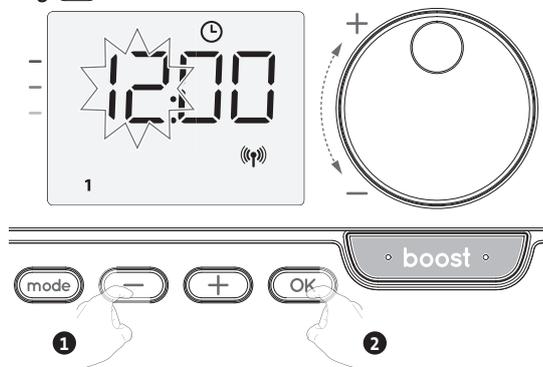
In this mode, you can set day and time to programme your device in line with your needs.

- 1- From Auto, Comfort, Eco or Frost protection mode, press **mode** for 5 seconds.

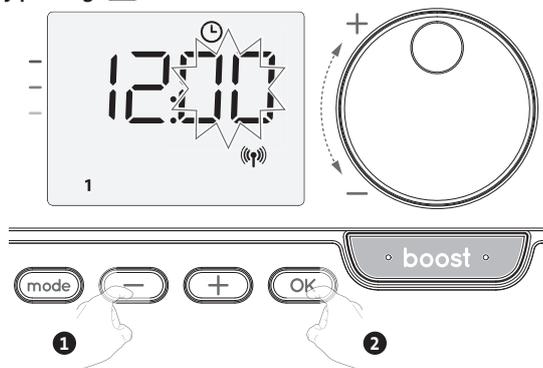


The clock symbol appears.

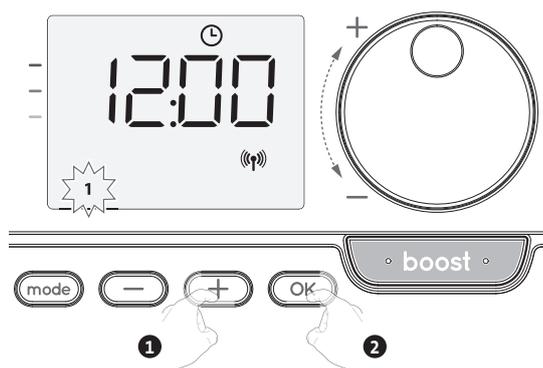
- 2- Select using **-** or **+**. The hours figures will flash. The hours will scroll quickly if you hold the **-** or **+** buttons. Save by pressing **OK**.



- 3- The minutes figures will flash. Select using **-** or **+**. Save by pressing **OK**.



- 4- The cursor above the number 1 (which represents the Monday) will flash. Select the day using **-** or **+**. Save by pressing **OK**.



- 5- To change and/or allocate programmes press **OK**. To exit the time and day mode, press **mode** 3 times.

● Programmes choices

Schematic sequence of programmes:



Version with occupancy detector: The device is delivered by default with the self-learning mode enabled as described on page 5. If this programme suits your requirements, you have nothing more to do, the device, after the initial 7 day learning period will follow the autoprogramme which will continue to tailor itself to your occupancy cycles.

Other version: your device's default setting is non-stop Comfort for 7 days a week.

● Programmes overview

- Auto: Auto-programming (See Automatic programming with selflearning process page 5).
- Comfort: your device will operate in Comfort mode, 24 hours a day, for each day selected.
Note: You can set the Comfort mode temperature to the temperature you require (see the Setting the Comfort mode temperature section page 5).
- Eco: The device will operate 24 hours a day in Eco mode.
Note: You can set the temperature lowering parameters (see page 9).
- P1: your device will operate in Comfort mode from 06:00 to 22:00 (and in Eco mode from 22:00 to 06:00). Save
- P2: your device will operate in Comfort mode from 06:00 to 09:00 and from 16:00 to 22:00 (and in Eco mode from 09:00 to 16:00 and from 22:00 to 06:00).
- P3: your device will operate in Comfort mode from 06:00 to 08:00, from 12:00 to 14:00 and from 18:00 to 23:00 (and in Eco mode from 23:00 to 06:00, from 08:00 to 12:00 and from 14:00 to 18:00).

● Potential modifications of programmes

If the default time schedules for the P1, P2 and P3 programmes do not suit your routines, you can change them.

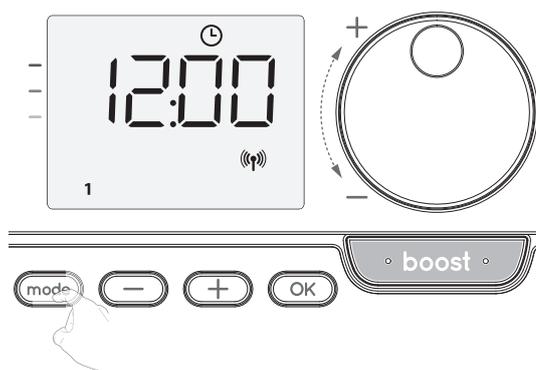
Modifying the P1, P2 or P3 programmes.

If you modify the time schedules for the P1, P2 or P3 programmes, the schedules will be modified for all the days of the week for which P1, P2 or P3 had been set.

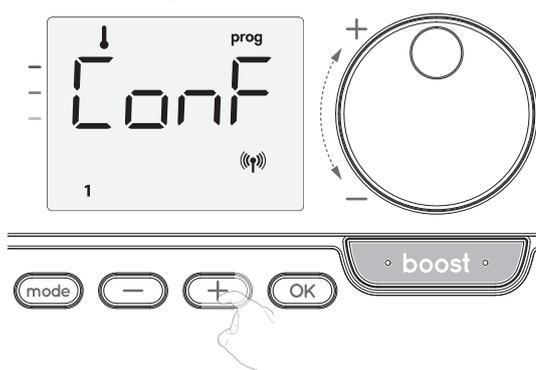
- 1- If you just set the time and day, go to step 2.

From Auto, Comfort, Eco or Frost protection mode, press **mode** for 5 seconds.

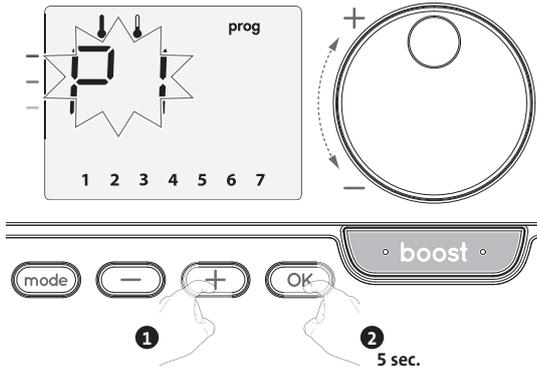
When the cursor moves above the setting time symbol ⌚, press **mode** shortly.



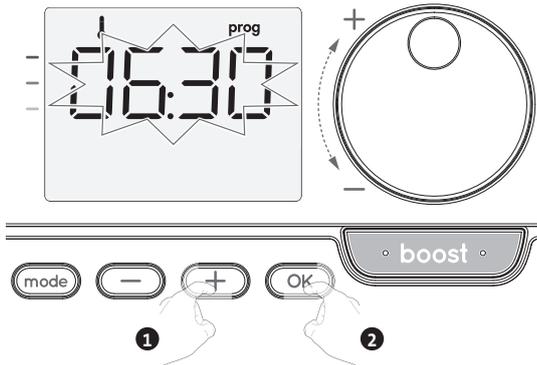
- 2- Press **-** or **+**. prog appears.



- 3- With **-** or **+**, select P1.
P1 will flash. Press **OK** for 5 seconds to make changes.

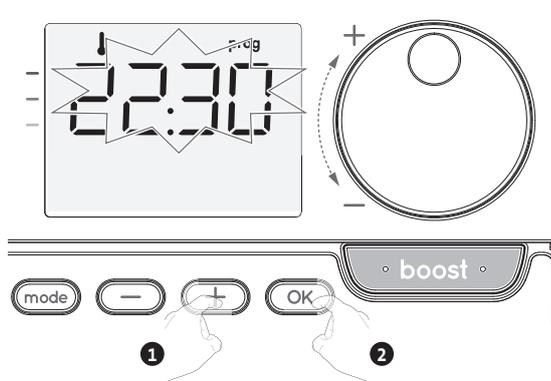


- 4- The P1 start time (which by default is 06:00) will flash.
Using **-** or **+**, you can change this time, by increments of 30 minutes.



Save by pressing **OK**.

- 5- The P1 end time (which by default is 22:00) will flash. Using **-** or **+**, you can change this time, by increments of 30 minutes.



Save by pressing **OK**.

- 6- Once all the days of the week are programmed, press **mode** twice to exit the programming Mode and return to Auto Mode.

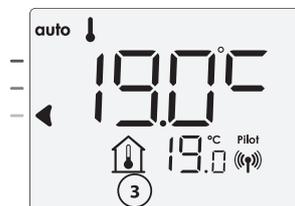
Note: without action on the keys, it will return to Auto after a few minutes.

• Choices and allocation programmes

- 1- If you just set the time and day, the cursor moves automatically under PROG.
From Auto, Comfort, Eco or Frost protection mode, then press **mode** for 5 seconds. When the cursor positioned under the set time symbol , press **mode** again.

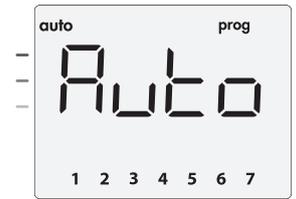
Prior information: display area

Correspondence days / numbers	
Monday	1
Tuesday	2
Wednesday	3
Thursday	4
Friday	5
Saturday	6
Sunday	7



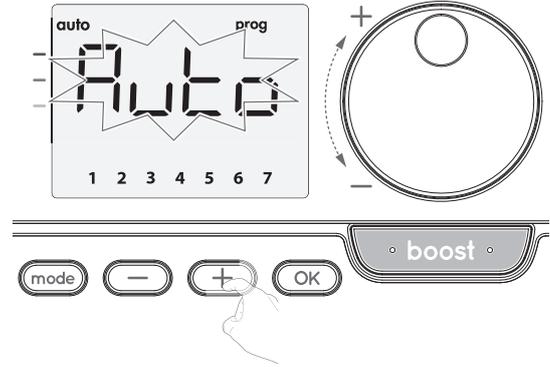
Version with occupancy detector:

The days of the week are all displayed. The default programme Auto appears on the display.



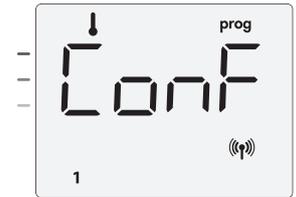
Press **-** or **+**.

The programme affected by default, Auto, flashes. It will be applied to all the days of the week.



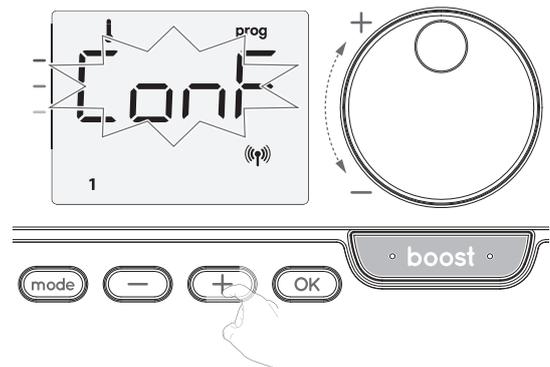
Other version:

The days of the week will scroll on display with the programmes that you set for them, meaning Comfort (CONF) every day.



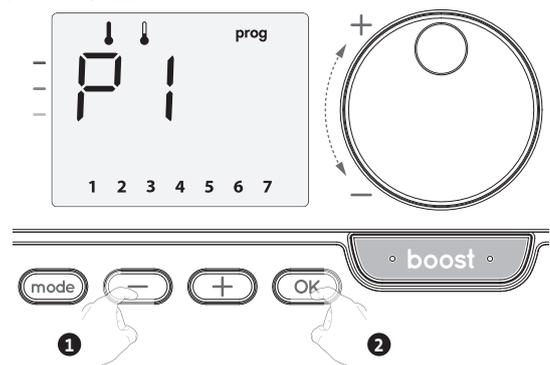
Press **-** or **+**.

The programme set for day 1 (1= Monday, 2 = Tuesday, etc.) will flash.

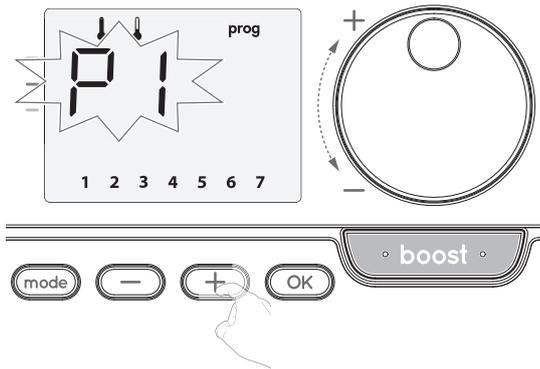


- 3- Chose the programme you want for this day with **-** or **+**.

Save by pressing **OK**.



- 4- The programme assigned to the second day of the week (Tuesday) will flash. Repeat the procedure described previously (in point 3) for each day of the week.



- 5- Once you have chosen a programme for each day, confirm your selection by pressing **OK**. The days of the week will successively scroll on display with the programmes that you set for them (P1, P2, P3, CONF or ECO). To exit the Programming mode, press **mode** twice.

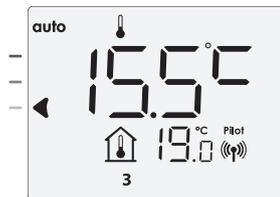
● Viewing the programmes that you have selected

- From Auto, Comfort, Eco or Frost protection mode, press **mode** for 5 seconds. Press **mode** twice, the programme for each day of the week (Comfort, Eco, P1, P2 or P3) will scroll on the display.
- To exit the programme viewing mode, press **mode** twice.

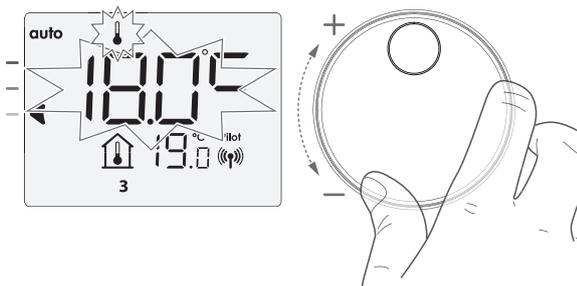
● Manual and temporary exemption from a running programme

This function allows you to change the setting temperature temporarily until the next scheduled change in temperature or the transition to 00:00.

Example:

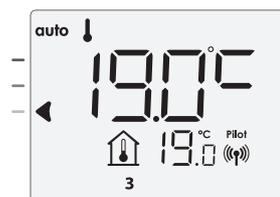


- 2- By using the rotary dial, you can change temporarily the desired temperature up to 18°C for example.



Note: The cursor corresponding to the operating mode, i.e Eco mode in our example, is blinking during the duration of the temporary derogation.

- 3- This change will be automatically cancelled at the next change of programme or transition to 00:00.

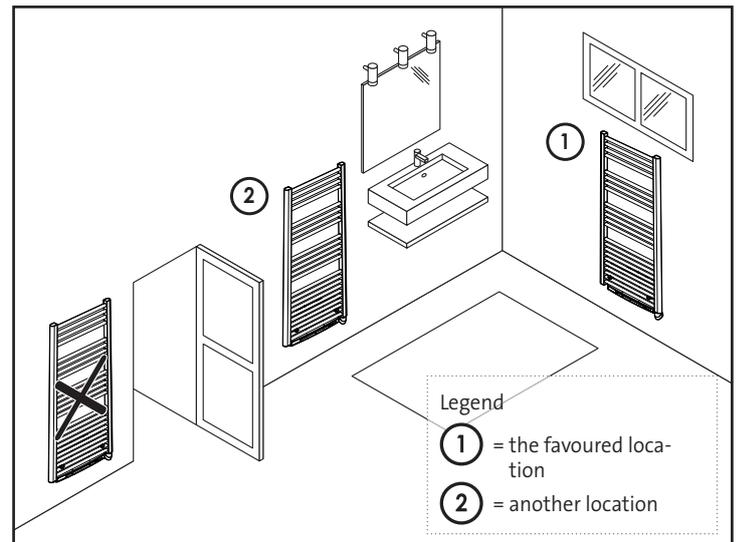


OPEN WINDOW DETECTION

● Important

The open window detection is sensitive to temperature variations. The device will react to the window openings in accordance with different parameters: The device will react to the window openings in accordance with different parameters: temperature setting, rise and fall of temperature in the room, outside temperature, location of the device...

If the device is located close to a front door, the detection may be disturbed by the air caused by opening door. If this is a problem, we recommend that you disable the automatic mode open window detection (see page 17). You can, however, use the manual activation (see below).



● Overview

Lowering temperature cycle by setting frost protection during ventilation of a room by opened window. You can access the open window detection from the Comfort, Eco and Auto modes.

- Automatic activation, the lowering temperature cycle starts as soon as the device detects a temperature change.

● Automatic activation (factory settings)

To disable this mode, see page 12.

The device detects a temperature fall. An opened window, a door to the outside, can cause this temperature 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.

● Frost protection digital meter

When the device performs a lower temperature cycle due to opened window, a meter appears on the display to show the cycle time. The counter is automatically reset the next time Frost protection by opened window is activated (automatic or manual activation).

● Stop the Frost protection mode

By pressing any button, you stop the Frost protection mode.

Note: If a temperature rise is detected, the device may return to the previous mode (active mode before the open window detection).

OCCUPANCY DETECTION, ENERGY SAVINGS

● Important information about the occupancy detection

The occupancy detector is sensitive to temperature variations and light. It is likely to be disturbed by the following items:

- Hot or cold sources such as forced air vents, lights, air conditioners.
- Reflective surfaces such as mirrors.
- Animal crossing in the detection area.
- Objects moving with the wind like curtains and plants.

Disable the occupancy detection if your device was installed near one of these.

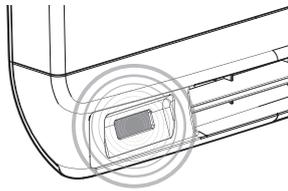
To disable the occupancy detection, see page 16.

Note: the detection range varies depending on the ambient temperature.

● Overview

The device fits your lifestyle while keeping your power consumption under control.

With its front infrared sensor, the device smartly optimizes the management of heating : it detects movement in the room where it is installed and in case of absence, automatically performs a progressive lowering of the setting temperature resulting in: energy savings. To ensure proper operation, do not block the sensor's field of view by any obstacle (curtains, furnitures...).



Lowering the temperature during unoccupied periods

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

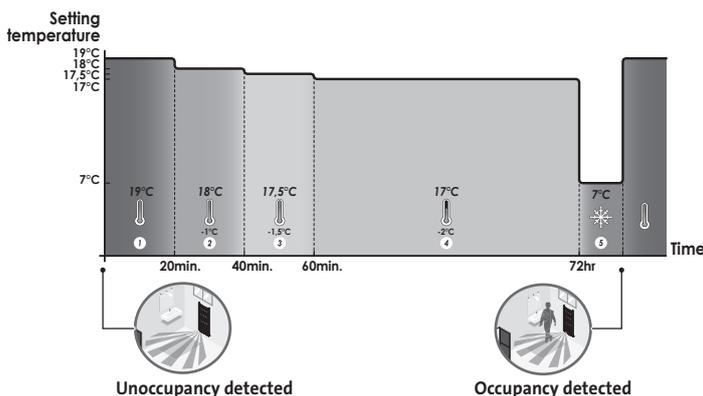
* Unchangeable factory settings

Note: when presence is detected in the room, the device automatically returns to the initial mode.

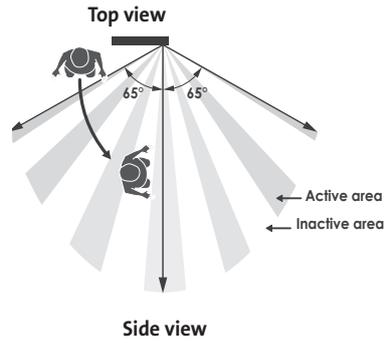
Remarks:

By default, when the sensor is enabled and detects movement in the room, the display lights up for a few seconds then switches off. To change the backlight see page 13, backlight setting.

● Operation

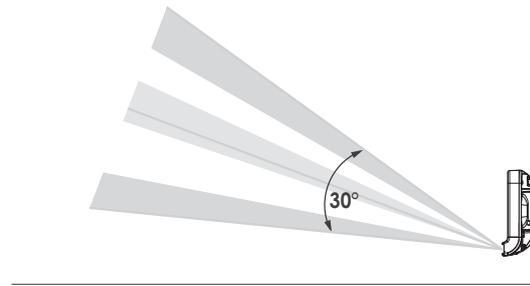


● Divisions of the detection zone



Detection zone, for a temperature of 19°C.

The detection zone is divided into active and inactive areas. A person that crosses the area will be detected by the infrared sensor.



INFORMATION ABOUT REMOTE CONTROL BY PILOT WIRE

● Overview

Your device can be controlled by a central control unit through a pilot wire, in which case the different operating modes will be remotely enabled by the programmer.

You can only control the device by pilot wire in the Auto mode. In the other modes, the orders transmitted by the pilot wire will not be executed.

In general, a pilot wire control system makes it possible to impose externally a lowering of the temperature setpoint, combined with the internal programming and the occupancy detection.

If several lowering requests appear simultaneously, priority is given to the lowest temperature setpoint, thus maximizing savings (see information on priorities for different modes on the user guide of the concerned device).

When a signal is sent from the pilot wire, the self learning optimization function is suspended.

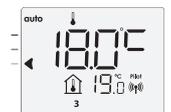
Below the different views of the display for each order sent by pilot wire:



Pilot wire = Comfort



Pilot wire = Eco Comfort - 3,5°C



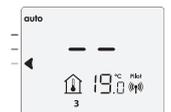
Pilot wire = Eco - 1 Comfort - 1°C



Pilot wire = Eco - 2 Comfort - 2°C



Pilot wire = Frost protection



Pilot wire = Stop (Standby mode)



Pilot wire = Boost

● Load shedding

In case of over consumption, an energy power manager or a disconnecter doesn't trigger a trip of the general circuit-breaker (example: simultaneous operating of your various household appliances and others).

This allows you to reduce the energy power subscribed and therefore optimize your subscription with your energy provider.

IMHOTEP creation controllers are designed to operate with pilot wire load shedding systems.

Orders sent by the pilot wire are executed by the device's electronic controller which will apply the setpoint corresponding to the order sent.

The "Stop" order corresponds to the load shedding. When this order is received, the device switches to "standby" and then returns to the initial operating mode.

Important: Do not use load shedding by a power fail. Unlike pilot shedding, this



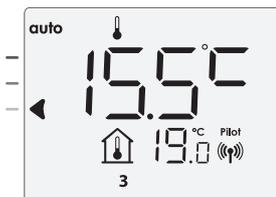
type of shedding results in a series of sudden and frequent power cuts, which cause premature wear of the device or even deterioration not covered by the manufacturer's warranty.

● Exemption to an order coming from a pilot wire external programmer

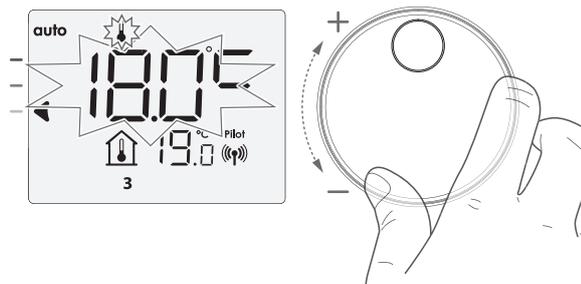
This feature allows you to modify temporarily the setting temperature until the next order sent by the central control unit or the transition to 00:00.

Example:

- 1- The device is in Auto mode. The central control unit sent an Eco order 15,5°C.

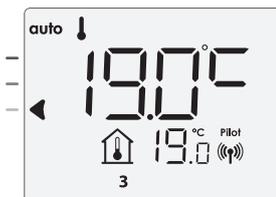


- 2- By using the rotary dial, you can modify temporarily the setting temperature up to 18°C for example.



Note: The cursor corresponding to the operating mode, i.e Eco mode in our example, is blinking during the duration of the temporary derogation.

- 3- This modification will be automatically cancelled at the next order sent by the central control unit or the transition to 00:00.



INFORMATION ABOUT PRIORITIES BETWEEN THE DIFFERENT MODES

● Principe

In Comfort, Eco and Frost protection modes, only orders of the occupancy sensor and those of the open window sensor will be considered.

In Auto mode, the device can receive different orders coming from :

- 7 day and daily programming integrated (Comfort or Eco orders);
- 6-order pilot wire if connected to central control unit;
- Open window detector;
- Occupancy detector.

In general, it is the lowest received order which prevails except when the pilot wire is connected to an energy management system, in this case the orders of the pilot wire take priority.

If an occupancy absence of more than 72 hours is detected, switching to frost protection takes precedence unless a load shedding order is present on the pilot wire.

Special case of self-programming where the temperature level in the room is decided according to the learning of the lifestyle and the optimization mode selected (Opti Comfort or Opti Eco):

- During the programmed passage in period Eco, if a presence is detected in the room, it will be taken into account and the appliance automatically switches to Comfort mode
- During the programmed passage to the Comfort mode period, the absence detection system is temporarily suspended (30 minutes).

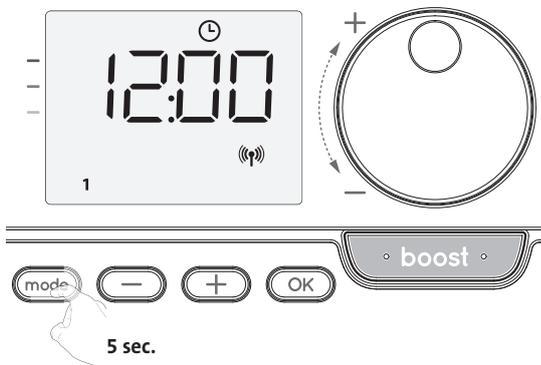
In case of programmed Boost, the Boost activation will take precedence over others orders received except when the standby (stop) order is present on the pilot wire, the device will switch off and the Boost will be not activated.

USER SETTINGS

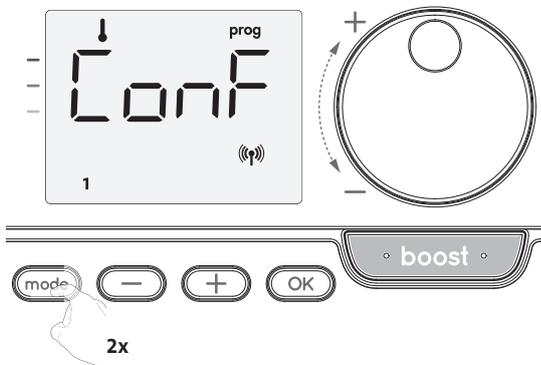
ACCESS

Access to the User settings in 2 steps:
From Auto, Comfort, Eco or Frost protection mode:

1- Press **mode** for 5 seconds.



2- Press **mode** briefly twice.



User = User settings is displayed



Setting sequence:

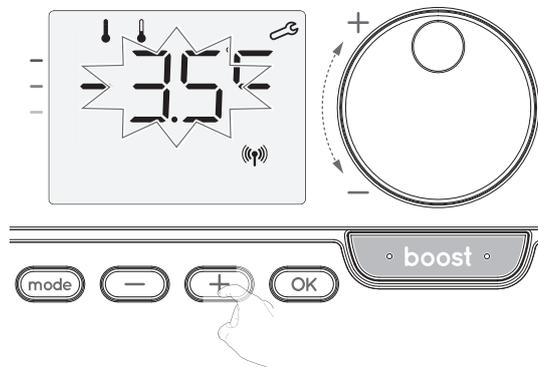
Eco mode temperature lowering-level → Frost protection temperature →
Super comfort → Comfort setting temperature limits → Maximal Boost
duration → Maximum ambient temperature → Restoring factory settings

SETTING THE ECO MODE TEMPERATURE LOWERING-LEVEL

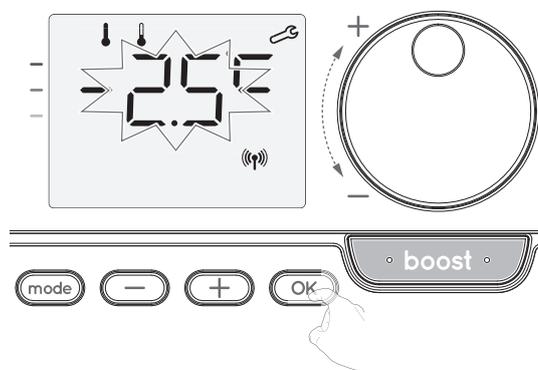
The drop in temperature is set at -3.5°C compared to the set temperature of the Comfort mode. You can adjust the lowered level from -1°C to -8°C , by intervals of 0.5°C .

Important: whatever the lowering level set, the Eco setting temperature will never exceed 19°C .

1- Press **-** or **+** to obtain the temperature level you require.



2- Press **OK** to save and move to the next setting.

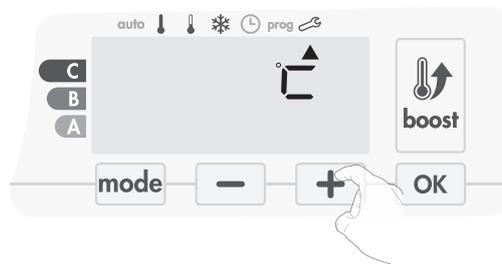


To exit the user settings, press **mode** twice.

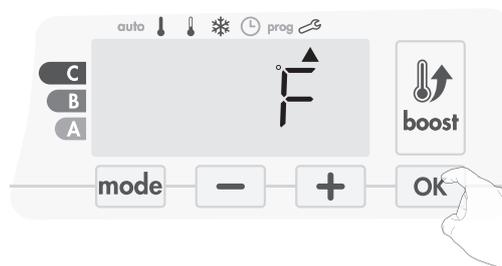
SETTING THE TEMPERATURE UNIT

The pre-set temperature unit is degrees Celsius.

16- Press **-** or **+** to change the temperature unit.



17- To save and move automatically to the next setting, press **OK**.

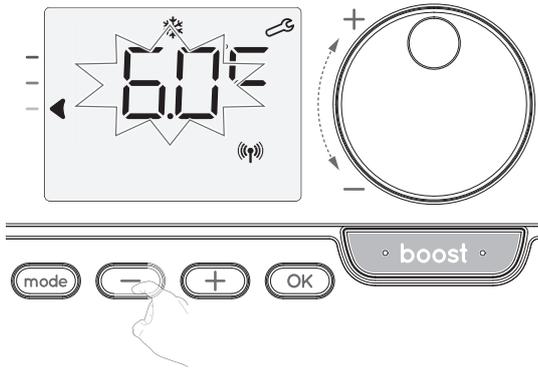


To exit the user settings, press **mode** twice.

SETTING THE FROST PROTECTION TEMPERATURE

Your device is preset at 7°C. You can adjust the Frost protection temperature from 5°C to 15°C, by intervals of 0.5°C.

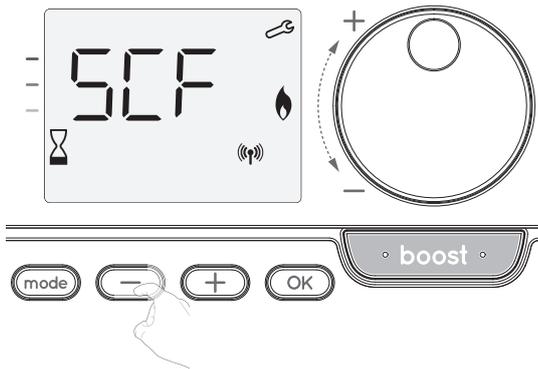
3- Press **-** or **+** to obtain the temperature you require.



4- Press **OK** to save and move to the next setting. To exit the user settings, press **mode** twice.

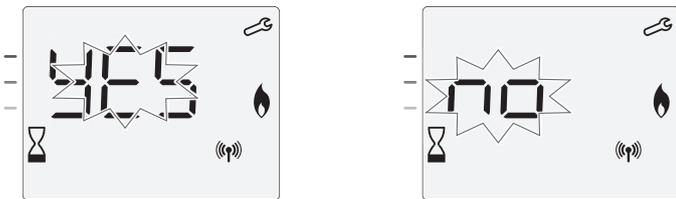
SUPER COMFORT (ONLY IF THE DEVIS IS A BLOWER) ACTIVATION/DEACTIVATION

By default, the Super comfort is enabled.



SCF appears, then **yes** flashes on the display. The Boost symbol and the heating indicator appear on the display.

5- Press **-** or **+** to enable or disable the Super comfort.



yes = Super Comfort enabled.

No = Super Comfort disabled.

To save and move to the next setting, press **OK**. To exit the user settings, press **mode** twice.

COMFORT SETPOINT TEMPERATURE LIMIT

You can limit the setting temperature range by introducing a maximum and / or minimum setting, preventing unintentional changes in temperature.

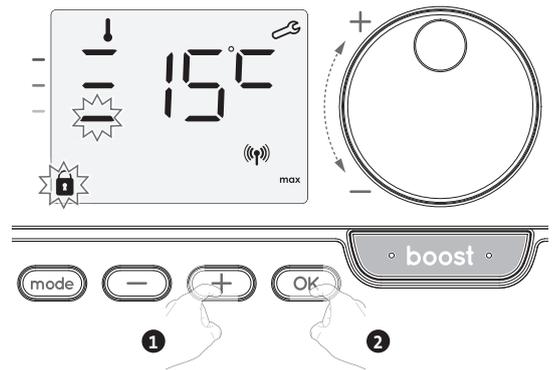
● Low temperature limit

Locking of the setting range using a minimum temperature stop, preventing the temperature from being set below that temperature.

The minimum setting is preset to 7°C. You can adjust from 7°C to 15°C by intervals of 1°C.

6- To change the minimum temperature setting, press **-** or **+** then save by pressing **OK**.

If you do not want to change it, press **OK**: the device changes automatically to set the maximum setting. To exit the user settings, press **mode** twice.

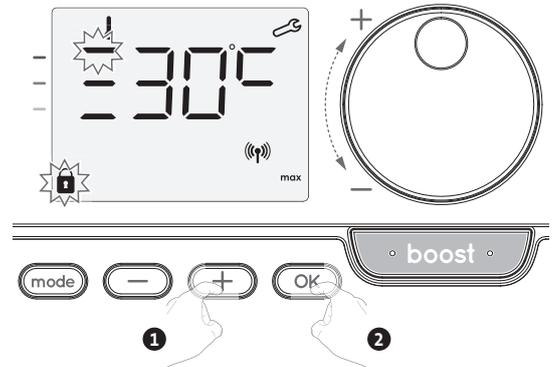


● High temperature limit

Locking of the setting range using a maximum temperature increase, preventing the temperature from being set above that temperature.

The maximum setting is preset to 30°C. You can adjust from 19°C to 30°C by intervals of 1°C.

7- To change the maximum temperature setting, press **-** or **+**.



To save and move to the next setting, press **OK**. To exit the user settings, press **mode** twice.

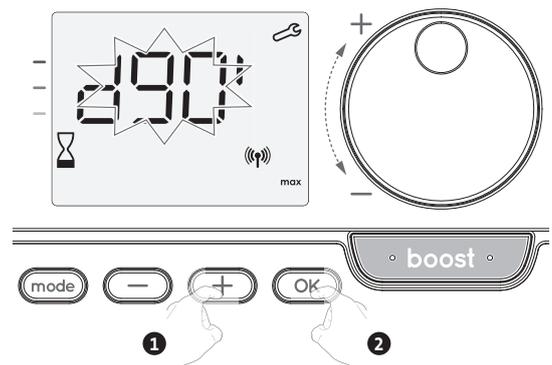
SETTING OF THE MAXIMUM DURATION OF AUTHORISED BOOST

The maximum duration of Boost is preset at 60 minutes. You can adjust it from 30 to 90 minutes by intervals of 30 minutes.

8- The Boost symbol and the heating indicator appear on the display and the preset duration of 60 minutes flash.



9- Press **-** or **+** to display the desired duration.



- 10- To save and move to the next setting, press **OK**.
To exit the user settings, press **mode** twice.

SETTING OF THE MAXIMUM AMBIENT TEMPERATURE FOR THE AUTOMATIC STOP OF THE BOOST

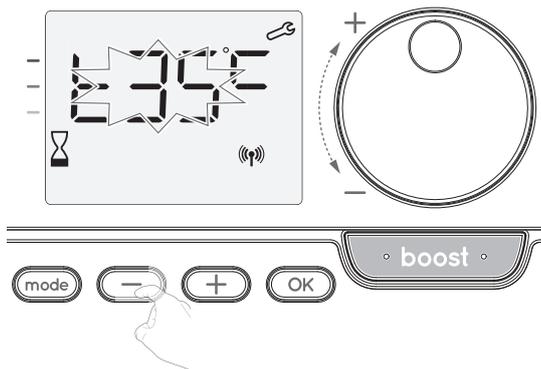
When the Boost is enabled, the device has to heat the room until the temperature limit: the maximum ambient temperature.

When it is reached, the Boost stops automatically.

It is preset at 35°C, you can adjust it from 25°C to 39°C by intervals of 1°C.

The Boost symbol and the heating indicator appear on the display and the maximum temperature flashes.

- 11- You can set the Boost maximum temperature by pressing **-** or **+** from 25°C to 39°C by intervals of 1°C.

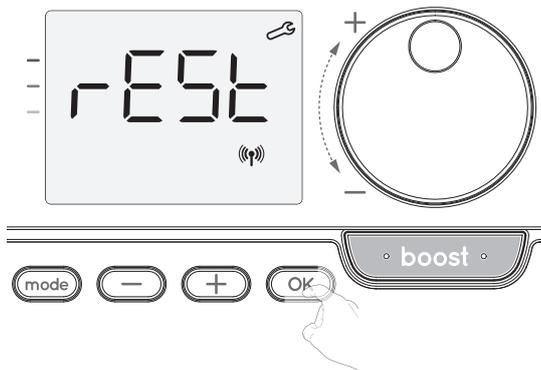


- 12- To save and move to the next setting, press **OK**. To exit the user settings, press **mode** twice.

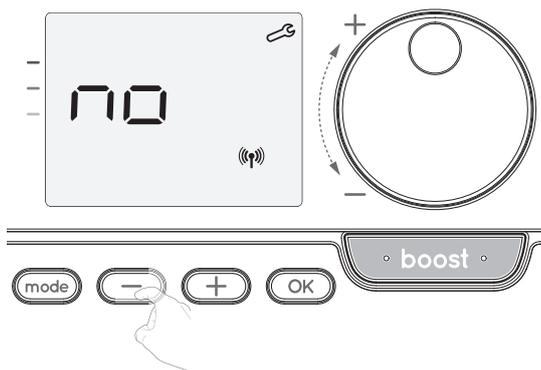
RESTORING FACTORY SETTINGS (ONLY IF PIN CODE IS DISABLED)

In order to return to the factory settings, proceed in the following order:

- 1- From the maximum ambient temperature setting, press **OK**. **rest** appears on the display.

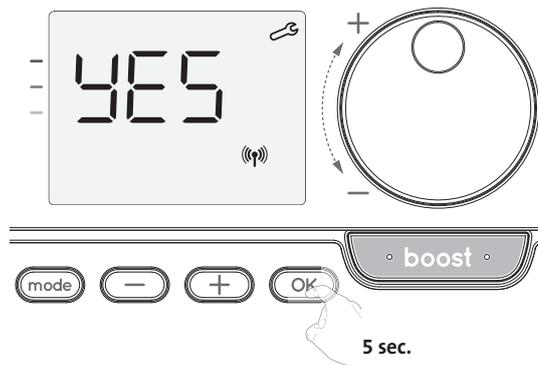


- 2- **NO** appears. Press **-** or **+** to select **YES**.



yes = Factory settings reset.
No = Factory settings not reset.

- 3- Press **OK** for 5 seconds. The device returns to its initial configuration and goes back automatically to the home display of the user settings.



The following factory values will be effective:

Parameters	Factory settings
Operating	
Comfort setting temperature	19°C
Boost duration	60 min.
Keypad lock	Disabled
User settings	
Eco mode temperature lowering-level	-3,5°C
Frost protection temperature	7°C
Super Comfort	Enabled
Minimum set of Comfort setting temperature	7°C
Maximum set of Comfort setting temperature	30°C
Maximal Boost duration	60 min.
Maximum ambient temperature for the automatic stop of the Boost	35°C

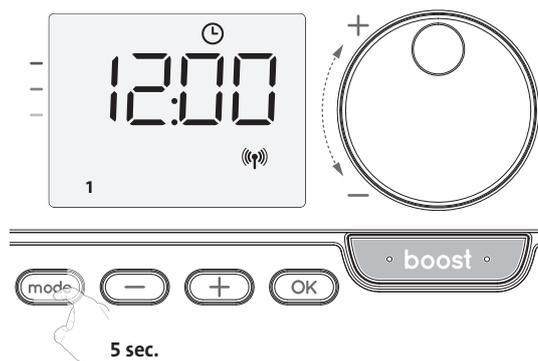
Press **mode** to exit the user settings.

INSTALLER SETTINGS

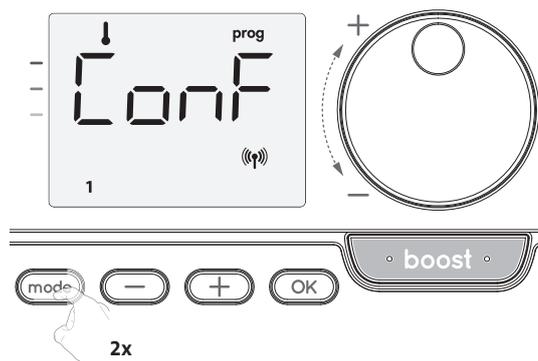
ACCESS

To access the Installer settings in 3 steps:
From Auto, Comfort, Eco or Frost protection mode :

- 1- Press **mode** for 5 seconds.



- 2- Press **mode** briefly twice.



User = User settings is displayed.



3- Press **OK** for 10 seconds.

Inst = Installer settings is displayed



Press **OK** briefly.

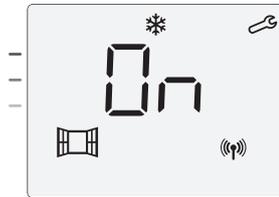
Setting sequence:

Configuration of detection modes → Dual optimization feature → PIN code lock → Restoring factory settings

CONFIGURATION OF DETECTION MODES

- Open window detection, activation/ deactivation of the Auto mode

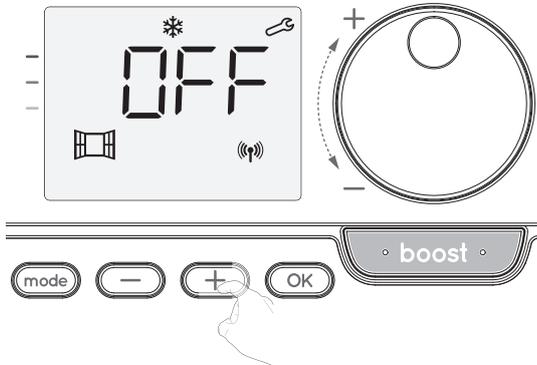
The default setting of the automatic mode is enabled.



1- Press **-** or **+**.

On = Automatic mode enabled.

OFF = Automatic mode disabled.



2- To save and move to the next setting, press **OK**. To exit the installer settings, press **mode** 3 times.

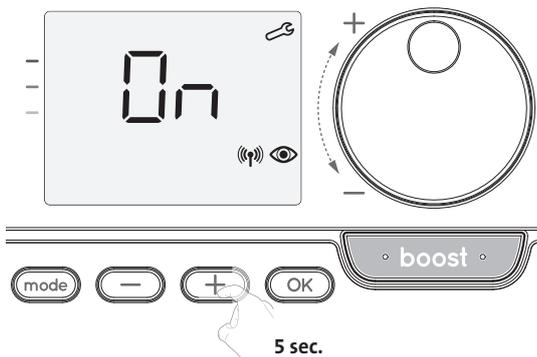
- Occupancy detection, activation/deactivation

1- The occupancy detection enabled is the default setting.

2- Press **-** or **+**.

ON = Occupancy detection enabled.

OFF = Occupancy detection disabled.



3- To save and move to the next setting, press **OK**. To exit the installer settings, press **mode** 3 times.

DUAL OPTIMIZATION FEATURE

This feature is available on the device equipped with occupancy detector.

- Overview

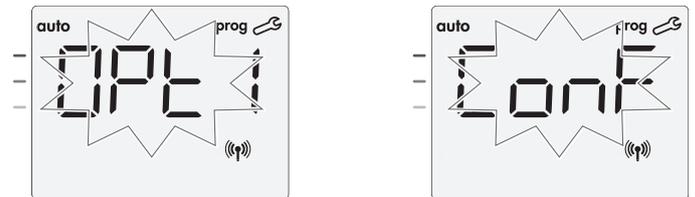
- Dual function optimization, priority to comfort or energy savings, the choice is yours, depending on various parameters: room inertia, ambient temperature, desired temperature, the device calculates and optimizes the programming for each heating period whether set to Comfort or Savings (Eco):

- In OPTI ECO mode (efficiency priority), the device's 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 device's 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.

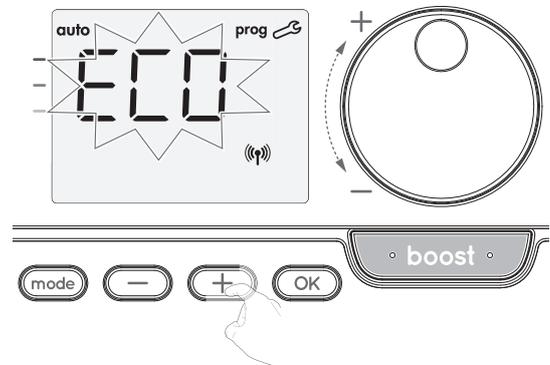
- Optimization choice

The OPTI COMFORT mode is activated by default.

The word OPTI will appear briefly on the display then it will alternate with the set mode CONF, ECO or OFF.



1- Press **-** or **+**.



CONF = Optimisation feature activated for OPTI COMFORT mode, priority to comfort.

ECO = Optimisation feature activated for OPTI ECO mode, priority to energy efficiency.

OFF = Optimisation feature deactivated.

2- To save and move to the next setting, press **OK**. To exit the installer settings, press **mode** 3 times.

PIN CODE LOCK

- Overview

Your heating device is protected by a safety code against nonauthorised 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 mode is forbidden, only the Auto, Eco and Frost protection modes are available.
- Minimum and maximum Limits of the setting temperature range (the Comfort temperature modification is forbidden out of the authorised setting range).
- Programming mode.
- Open window detection settings.
- Setting the Eco mode temperature lowering-level.
- Setting the Frost protection temperature.

Version with occupancy detector, in addition:

- Occupancy detection settings.
- Optimization choice.

3 important steps are needed for the first use of the PIN code lock:

- 1 - PIN code initialisation, enter the preset PIN code (0000) to access the feature.
- 2 - Activation of the PIN Code to lock settings which will be protected by the PIN code.
- 3 - Customizing the PIN code, replace 0000 by the customized code.

● PIN code initialisation

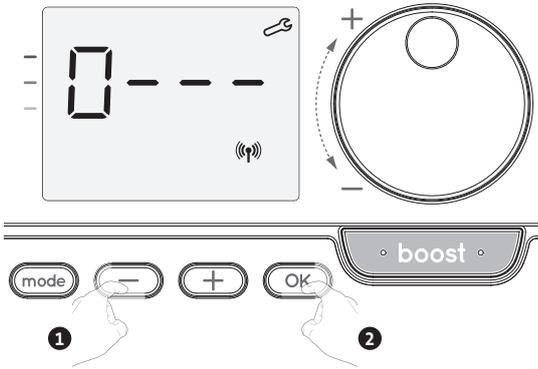
By default, the PIN code is not enabled.

- 1- OFF appears on the display.



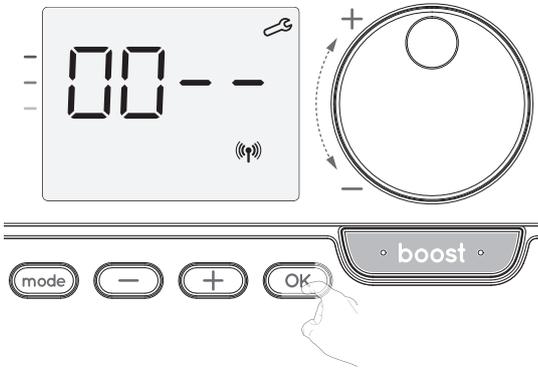
By default registered PIN code is 0000.

Press **-** or **+** to select 0. Save by pressing **OK**.



- 2- For others numbers, select 0 by press **OK**.

When 0000 appears, press on **OK** again to save and exit.



The PIN code is initialized, the next setting appears: PIN Code activation.

● Activation/deactivation of the PIN Code

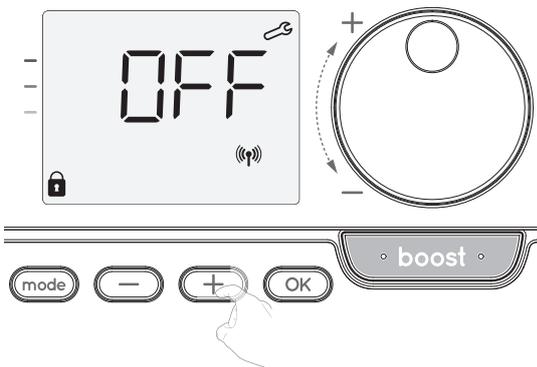
- 1- OFF appears on the display.

Press **-** or **+** to enable PIN code.

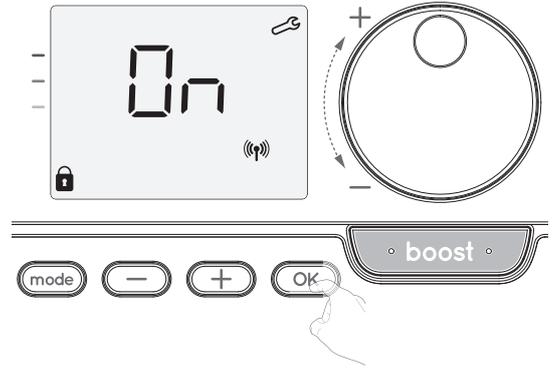
ON appears on the display.

ON = PIN code enabled

OFF = PIN code disabled



- 2- Press **OK** to save and return to the home installer settings display.



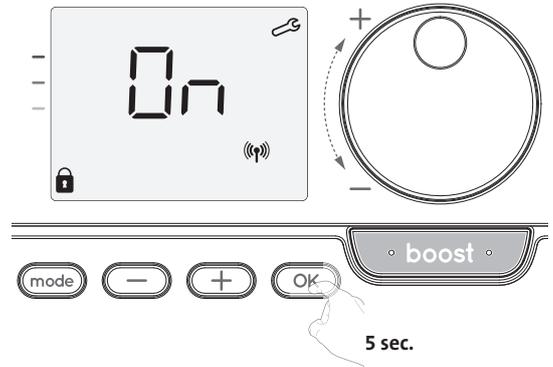
The PIN code is enabled. Any modification of reserved settings listed in "Overview" is now impossible.

● Customizing the PIN code

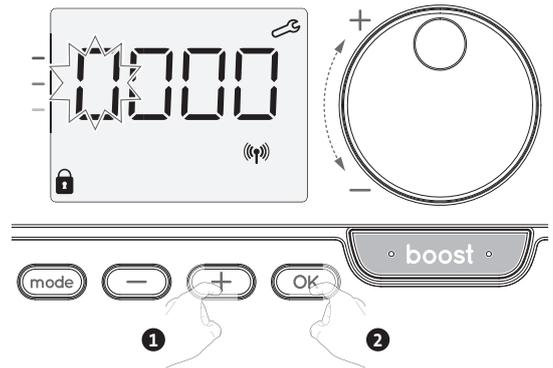
If you have just activated the PIN code, follow the steps described below.

Alternatively, you must copy the steps 1 and 2 of the initialisation process as well as the steps 1 and 2 of the activation process before personalising the PIN code. Please remember that the personalisation of the PIN code can only be set once the initialisation and activation of the PIN code has been completed.

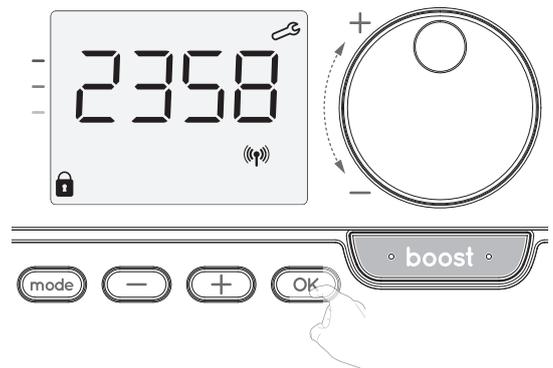
- 1- When **On** appears, press **OK** for at least 5 seconds.



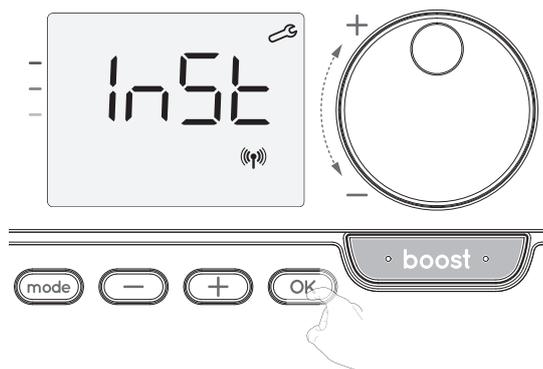
- 2- The 0000 code appears and the first number blinks. Press **-** or **+** to select the first desired number then press **OK** to save and exit. Repeat this operation for the remaining 3 numbers.



- 3- Press **OK** to confirm. The new code is now saved.



- 4- Press again on **OK** to exit setting PIN code mode and go back to the home display of the installer settings.

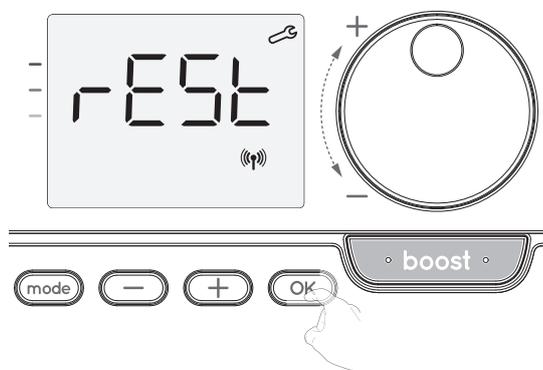


To exit the Installer settings, press **mode** twice.

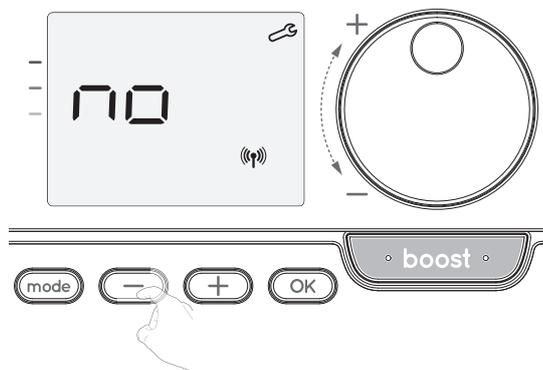
RESTORING FACTORY SETTINGS (ONLY IF PIN CODE IS DISABLED)

If the PIN code protection is disabled, the user and installer settings are re-initialized:

- 1- From the PIN code setting, press **OK**, **rest** appears briefly on the display.



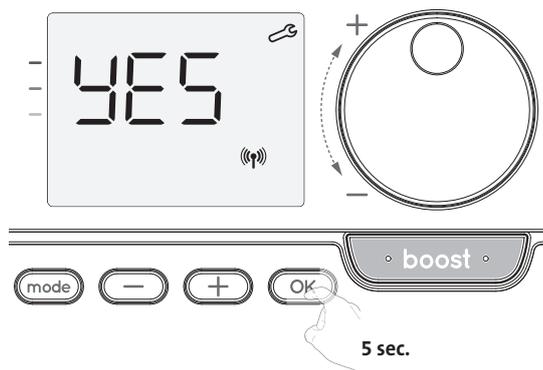
- 2- **NO** appears. Press **-** or **+** to select **YES**.



yes = Factory settings reset.

No = Factory settings not reset.

- 3- Press the key **OK** for 5 seconds. The device returns to its initial configuration and goes back automatically to the home display of the installer settings.



The following factory values will be effective:

Settings	Factory settings
Operation	
Comfort setting temperature	19°C
Boost duration	60 min.
Keypad lock	Disabled
User settings	
Eco mode temperature lowering-level	-3,5°C
Frost protection temperature	7°C
Super Comfort	Enabled
Minimum set of Comfort setting temperature	7°C
Maximum set of Comfort setting temperature	30°C
Maximal Boost duration	60 min.
Maximum ambient temperature for the automatic stop of the Boost	35°C
Installer settings	
Automatic open window detection	Enabled
Occupancy detection	Enabled
Dual optimization feature	Opti comfort
PIN code protection	Disabled
Value of the PIN code	0000

To exit the user settings, press **mode** twice.

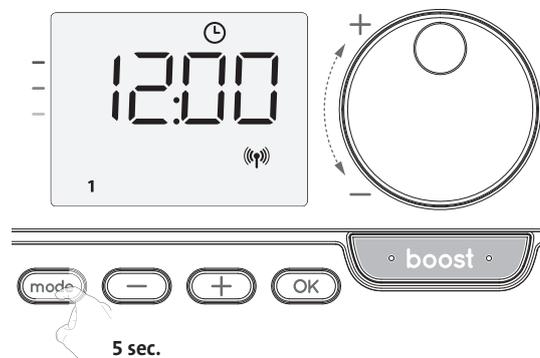
EXPERT SETTINGS

ACCESS

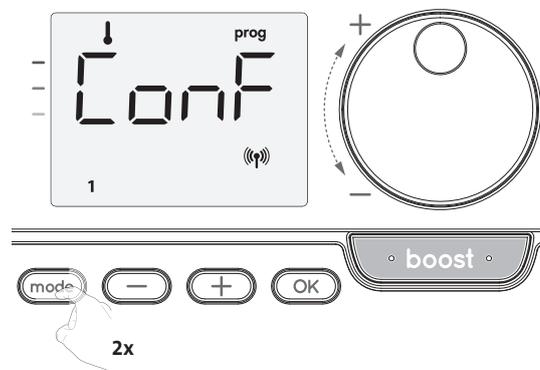
To access the expert settings in 4 steps.

From Auto, Comfort, Eco or Frost protection mode :

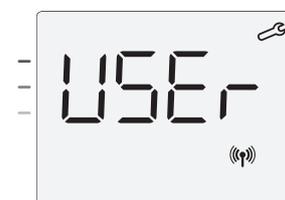
- 1- Press **mode** for 5 seconds.



- 2- Press **mode** briefly twice.



User = User settings is displayed.

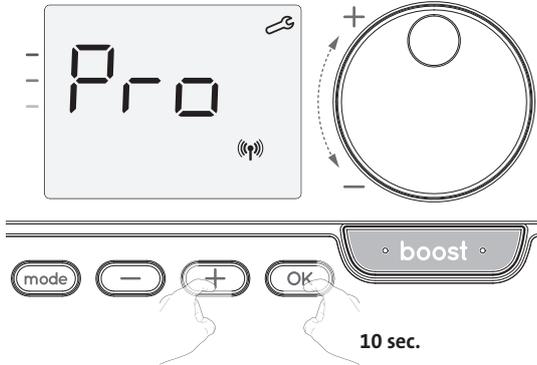


3- Press **OK** for 10 seconds.

InST = Installer settings is displayed.



4- Press and hold **+** and **OK** simultaneous for 10 seconds.



Setting sequence:

Ambient temperature sensor adjustment → Restoring factory settings

AMBIENT TEMPERATURE SENSOR ADJUSTEMENT

● 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 reliable thermometer) is different by at least 1°C or 2°C compared to the setting temperature of the radiator.

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.

● Ambient temperature sensor adjustement

1- If the ambient 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.

Important: Before carrying out the calibration it is recommended to wait for 4h after the setting temperature modification to insure that the ambient temperature is stabilized.

To correct, then proceed as follows:

Sensor temperature = 24°C

(The measured temperature may be different due to the location of the thermostat in the room).



Decrease the temperature measured by the ambient temperature sensor by 2°C by pressing **-**.

In our example the measured temperature by the sensor goes from 24°C to 22°C.



2- If the ambient 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.

To correct, then proceed as follows:

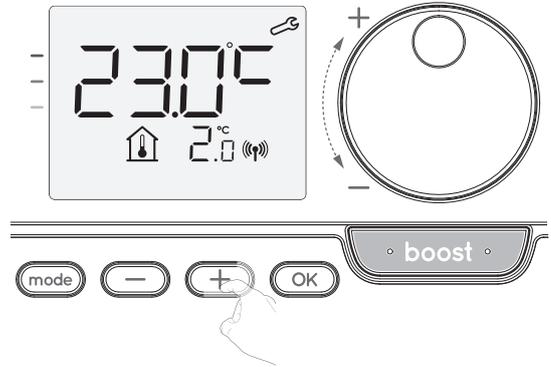
Sensor temperature= 21°C.

(The measured temperature may be different due to the location of the thermostat in the room).



Increase the temperature measured by the ambient temperature sensor by 2°C by pressing **+**.

In our example the measured temperature by the sensor goes from 21°C to 23°C.



To validate the new value press **OK**. To exit the Expert settings, press **mode** 3 times.

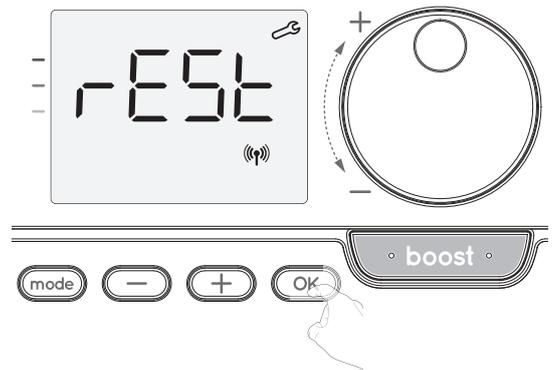


Important: These changes should be performed by a qualified professional installer, they should be performed in production or on site during the first installation

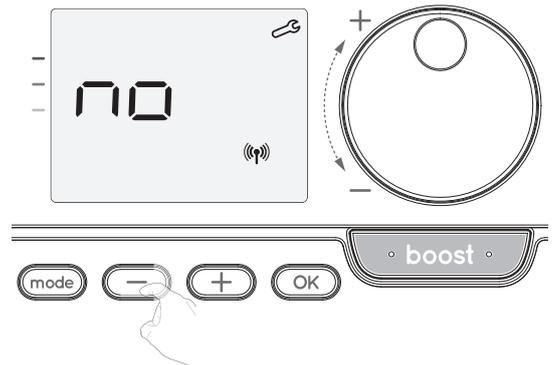
RESTORING FACTORY SETTINGS (ONLY IF PIN CODE IS DISABLED)

If the PIN code protection is disabled, the user and installer settings are re-initialized:

1- From the PIN code setting, press **OK**. rest appears briefly on the display.



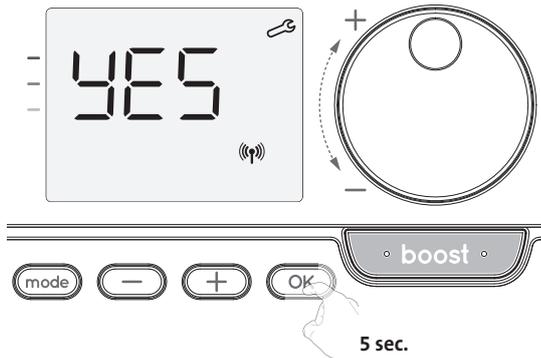
2- **NO** appears. Press **-** or **+** to select **YES**.



yes = Factory settings reset.

No = Factory settings not reset.

- 3- Press the key **OK** for 5 seconds. The device returns to its initial configuration and goes back automatically to the home display of the installer settings.



The following factory values will be effective:

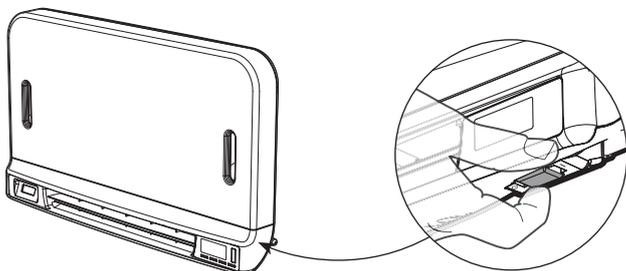
Settings	Factory settings
Operation	
Comfort setting temperature	19°C
Boost duration	60 min.
Keypad lock	Disabled
User settings	
Eco mode temperature lowering-level	-3,5°C
Frost protection temperature	7°C
Super Comfort	Enabled
Minimum set of Comfort setting temperature	7°C
Maximum set of Comfort setting temperature	30°C
Maximal Boost duration	60 min.
Maximum ambient temperature for the automatic stop of the Boost	35°C
Installer settings	
Automatic open window detection	Enabled
Occupancy detection	Enabled
Dual optimization feature	Opti comfort
PIN code protection	Disabled
Value of the PIN code	0000
Expert settings	
Ambient temperature sensor adj.	0.0

To exit the expert settings, press **mode** 3 times.

MAINTENANCE AND CLEANING OF THE DUST FILTER

Before any maintenance work, switch off the device by pressing the button (switch).

The device can be cleaned with a damp cloth; never use abrasives or solvents.



The blower is equipped with a removable dust filter which retains impurities from the air aspirated into the room. When the filter is saturated, the dust accumulation may cause its stop.

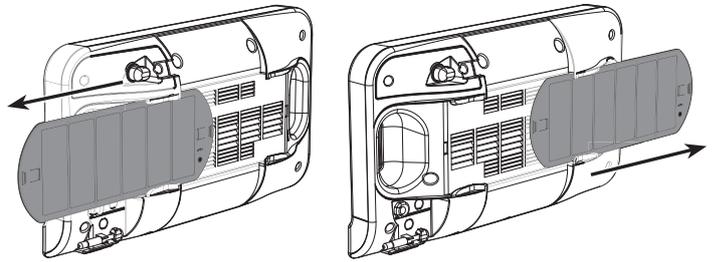
In Boost mode, the writing **FILT** appears on the display.



Before any action of filter removal, switch off the device by pressing the button located under the blower.

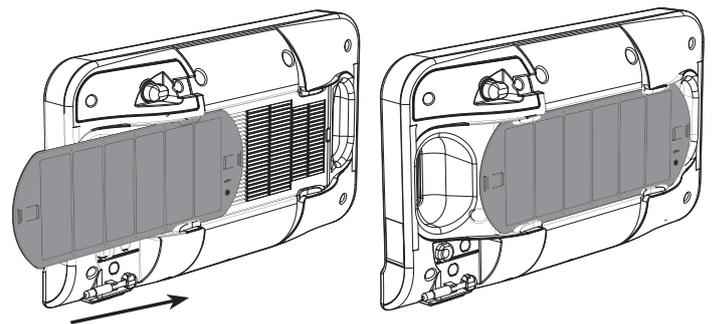
To clean the filter, proceed in the following order:

- 1- Press the filter strip by the right or the left side then take it out from its slot.



- 2- Use a vacuum cleaner to eliminate the dust deposited on the filter. If the filter is very dirty, wash it under the water tap with a damp sponge. After washing the filter, let it dry. Important : it is recommended to clean the filter at least once a month unless the writing **FILT** appears on the display prematurely.

- 3- Once cleaned and dried, replace the filter in its slot by inserting it into the runners.



TROUBLESHOOTING

Batteries are used or inadapted.

- Replace the 2 batteries. Only use alkaline 1.5V LR6 batteries.
Do not use rechargeable batteries.

The heating does not come on or does not go off.

- Your remote control may have been set up close to a source of heat or on a cold wall – put it in a recommended location (see the "Installing" section on page 1 for these locations).
- No power supply to the device: check the fuse and the circuit breaker.

The ambient temperature is lower than the required temperature

- Refer to the device instruction manual.

Radio transmission is not working properly:

- 1- The device is not picking up the code sent by the emitter.
 - Replace transmitter's batteries.
- 2- The device does not recognize transmitter's code.
 - Pair the remote control transmitter with the device again (page 2).
- 3- The device or the remote control is affected by interference:
 - Move the remote control out of the affected area.
 - Try to move away the device or the source of the interference

The super Comfort or Boost didn't start:

- Check the Super Comfort or Boost duration (refer to the Boost duration section page 4).
- Check programming – refer to the "Viewing programmes" section (see page 8).
- Check that the time and the day have been correctly set on your programmable remote control – refer to the "Viewing day and time settings" section (see page 6).
- Check that the kind of application has been correctly set (see page 2).

Please refer to the troubleshooting section on instruction manual of your device. If the problem persists, contact your installer.

TECHNICAL SPECIFICATIONS

Power supply: 2 alkaline 1.5 V LR6 batteries.

Battery life: approx. 2 years.

Maximum range in the home: 15m typical but this varies depending on the equipment being used in conjunction with the appliance (the appliance's range can be adversely affected by the way in which a system is set up and by the surrounding electromagnetic environment).

Signal sending: every 3 minutes, maximum time-lag 1 minute after setpoint temperature has been changed.

- Radio frequency: 2,4035 Ghz / 2,4055 Ghz / 2,4075 Ghz
- Maximum RF power transmitted: <1mW.

Environment:

- Operation temperature: from 0°C to +40°C.
- Manual temperature setting range: from +5°C to +30°C.
- Storage temperature: from -10°C to +60°C.
- Humidity: 80% to +25°C (without condensation).
- Protection rating: IP30.

Manufactured by: IMHOTEP création FRANCE (contact@imhotepcreation.com)

RECYCLING AND COMPLIANCE DECLARATION

EU declaration of conformity: We hereby declare under our sole responsibility that the products described in these instructions comply with the provisions of Directives and harmonized standards listed below:



- RED 2014/53/EU:
 - Article 3.1a (Safety): EN62311:2008
 - Article 3.1b (EMC): ETSI EN301489-1 V2.1.0 (2016)/ ETSI EN301489-3 V2.1.0 (2016)
 - Article 3.2 (RF): ETSI EN 300440 V2.1.1 (2016)
 - ERP 2009/125/EC
 - Regulation 2015/1188/EU
 - ROHS 2011/65/EU: EN50581
- and are manufactured using processes which are certified ISO 9001 V2008.



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.