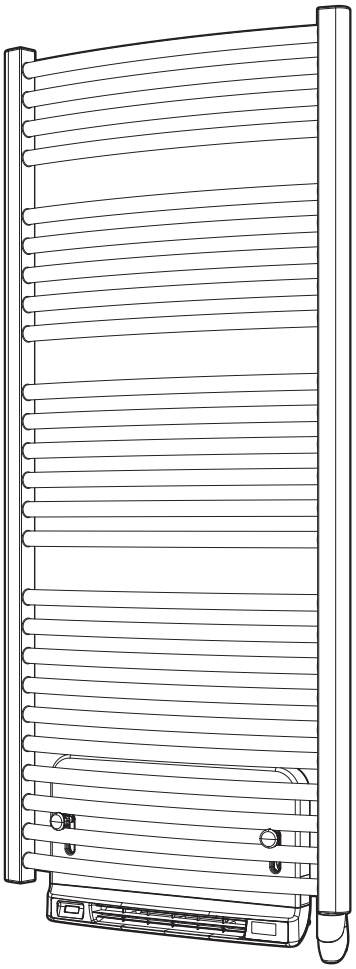
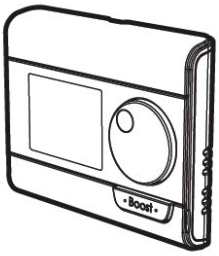


# ELECTRIC TOWEL RADIATOR

# E-VENTO




***OPTIONAL: RF REMOTE CONTROL***

**EN**

**User-/installation manual**

# SAFETY INSTRUCTIONS

**Please read these instructions carefully, in order to:**

- ensure that your installation complies with applicable standards optimise your equipment's performance
- optimise your equipment's performance

We cannot be held liable for any damage arising as a result of incorrect installation or non-compliance with our instructions.

The installation of this device and any work conducted on its electrical components must be carried out by qualified personnel.

The electrical installation must comply with local and national applicable regulations.

**WARNING:** This device is not designed to carry the weight of a person, and no one should therefore climb onto it. This device is designed solely to warm laundry that has been washed with water.

The radiator is designed to be wall-mounted, and must not be located directly under an electrical outlet. Do not use the radiator under any circumstances if the power cable is damaged; it must be replaced by us, our Customer Service team, or suitably qualified personnel to prevent any risk.

This radiator is filled with a precise quantity of fluid. For any repair that requires the radiator to be opened, please contact the manufacturer or its subcontractor for servicing. The manufacturer or its representative must repair any leak. Any malfunction must be rectified immediately to ensure the safety of both the installation and the user. In the event of any issues, please contact our after-sales service.

Please keep away from children aged less than 3, unless they are under permanent supervision.

Children aged 3 to 8 are only permitted to turn the device on or off if the device has been placed or installed in a normal position, and if the children are supervised or have been taught how to use the device safely, and understand the potential dangers. Children aged 3 to 8 should not connect, set or clean the device, and should not perform maintenance tasks normally carried out by the user.

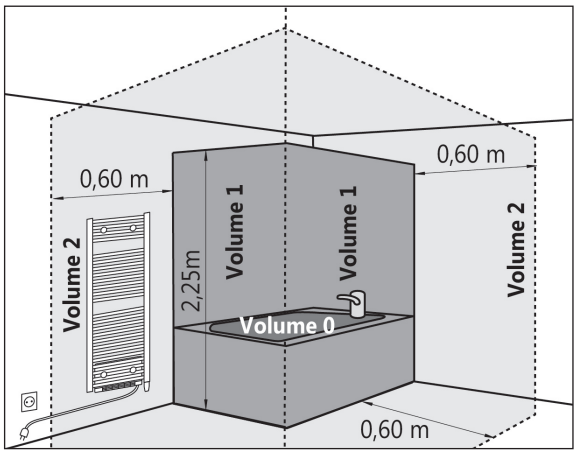
This device can be used by children aged 8 or more, and by persons whose physical, sensory or mental capacities are reduced, or who have no knowledge or experience of the device, if such persons are properly supervised, or if they have been instructed as to the safe use of the device, and if all potential risks have been properly understood. Children should not play with the device. Cleaning and maintenance work conducted by the user must not be carried out by unsupervised children.

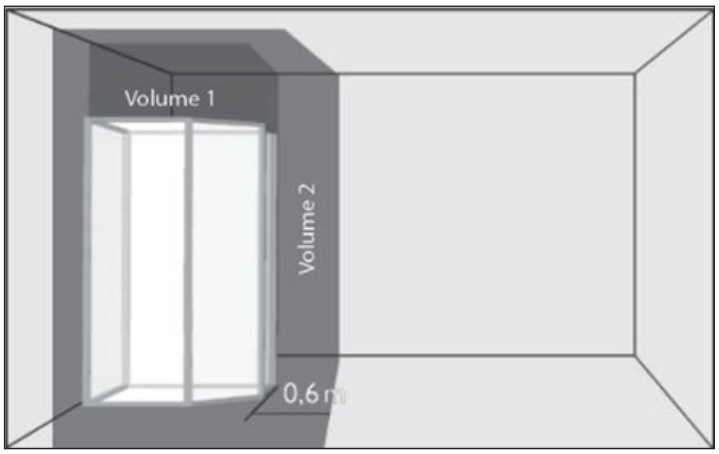
**WARNING:** To prevent all risks for very young children, the device should be installed so that the lowest heated tube is at least 600 mm off ground level. Some parts of this product can become very hot and cause burns. Attention should be particularly paid in the presence of children and vulnerable persons.

# POSITIONING OF THE DEVICE

## In the bathroom

Warning: this product may only be used in Zone 2 and outside Zone 2, in accordance with national wiring regulations, provided it is protected from water splashes and the radiator is positioned out of reach of persons bathing or showering. When installed in Zone 2, the radiator must additionally be shielded by means of a fixed partition wall. The optional battery-powered remote control must be installed in Zone 3 and outside splash zones (IP20). The plug must only be connected to a socket outlet in Zone 3.



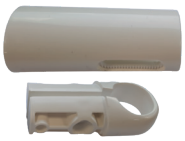

## Automatic open window detection

See "Operation" – Open window detection

# INSTALLATION OF THE DEVICE

## Content of the package

- Radiator, factory-filled and fitted with a heating element
- Installation and operating instructions manual
- Mounting kit

| | | | |
|---|---|---|---|
|  | Bracket, 1 x left-hand and 1 x right-hand version |  | 2 x oval brackets |
|  | 2 x plastic strip |  | 2 x M5x20 bolt<br>2 x M5x30 bolt<br>4 x M5 nut |
|  | 4 x Ø10 x 60 mm wall plug<br>4 x Ø8 x 70 mm hexagon head screw |  | 2 x Ø8 x 50 mm wall plug<br>2 x Ø6 x 60 mm hexagon head screw |
|  | 4 x plastic protective caps | | |

# INSTALLATION OF THE DEVICE

**Installation**

The radiator must be installed with the heating element vertical and the blower in the lower section (figure 3a). It is prohibited to install the device with the blower in the upper section (figure 3b) or with the heating element horizontal (figure 3c).

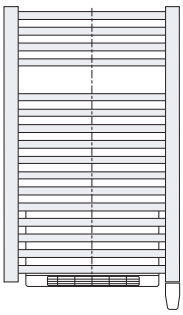


Fig. 3a

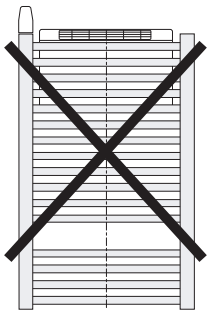


Fig. 3b

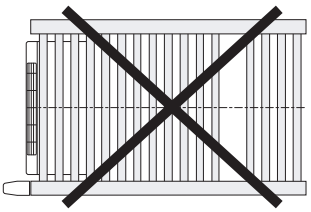
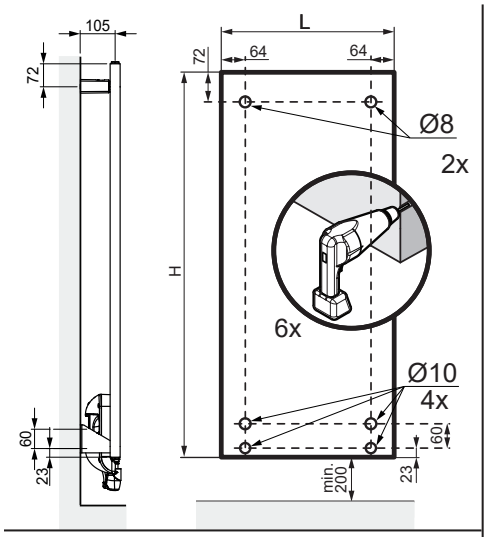
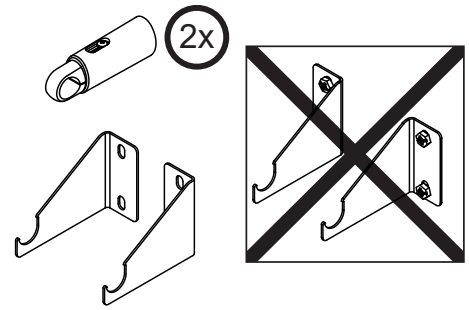
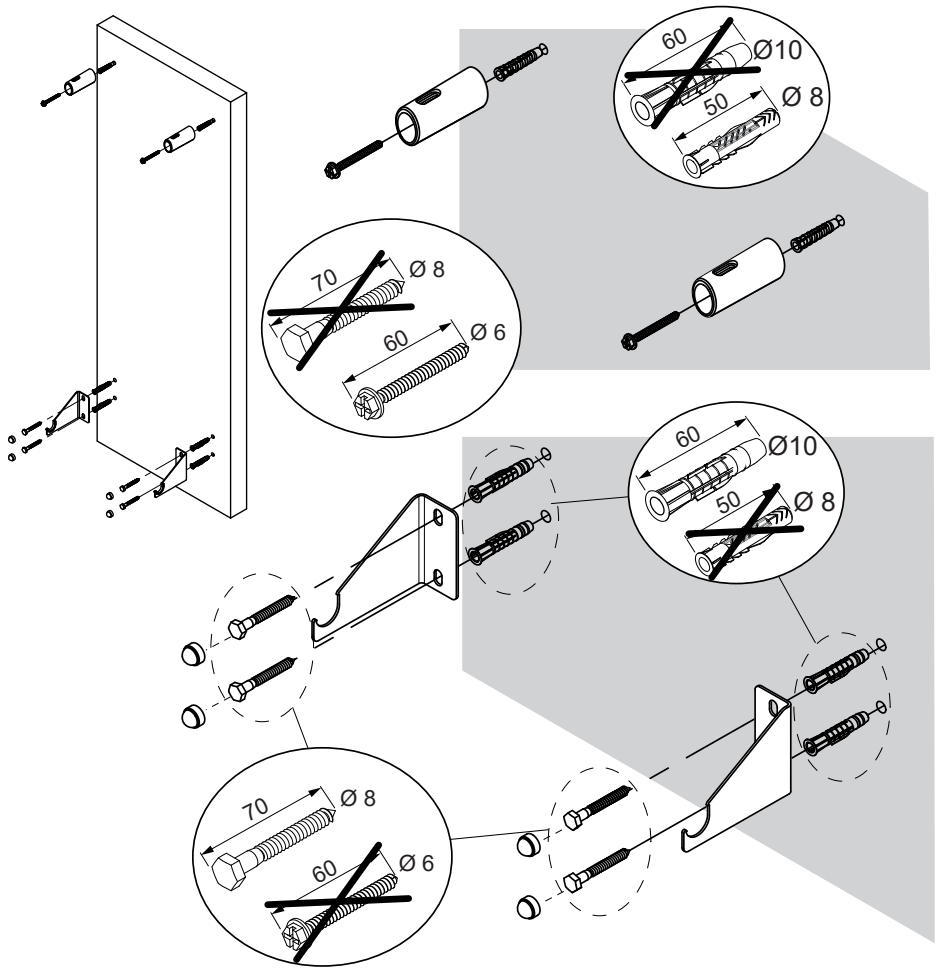


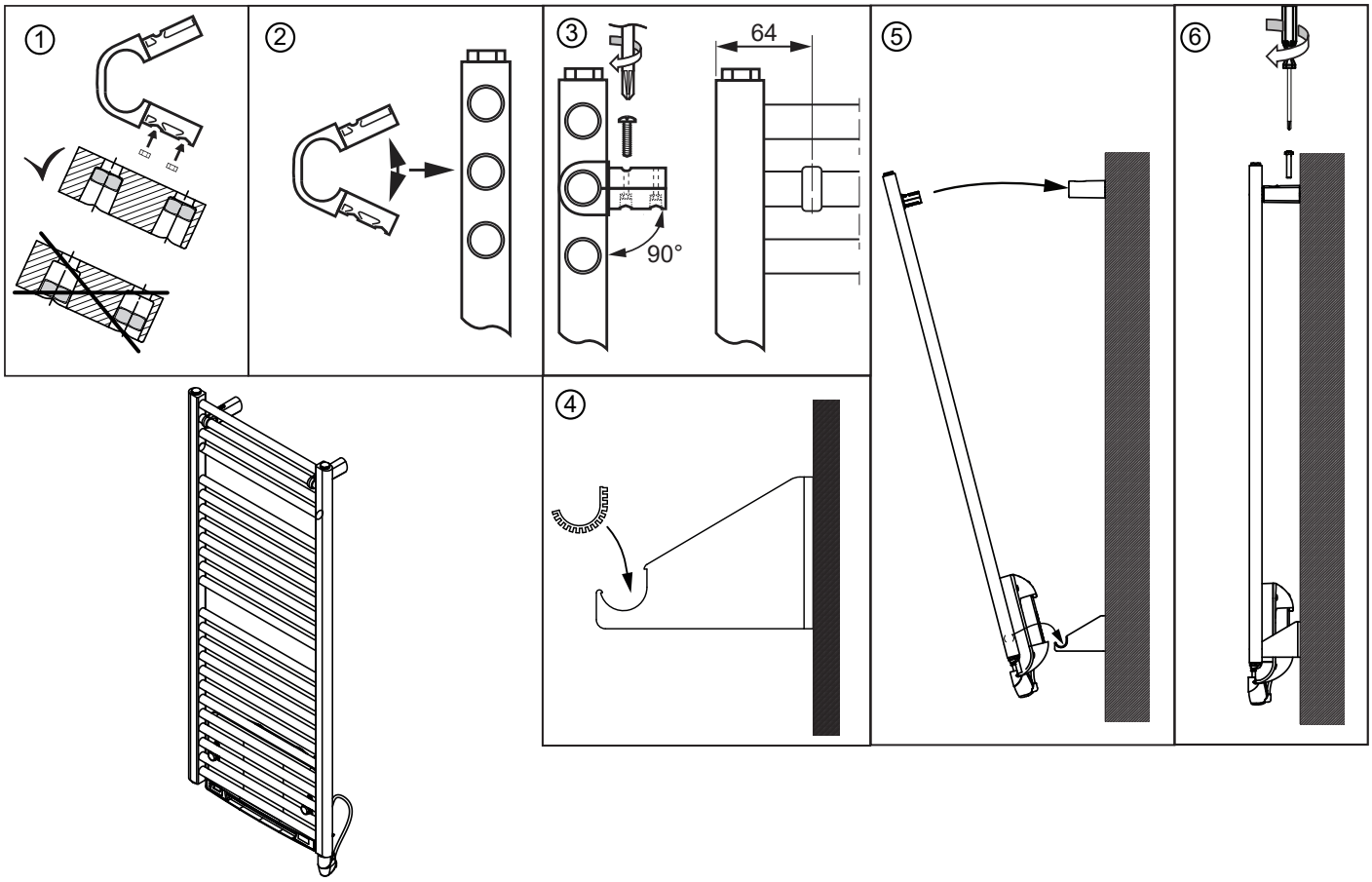
Fig. 3c

Drill the mounting holes, insert the plugs in the holes, secure the wall supports to the wall and install the heater on its supports (see figure 4). Use screws and plugs that are adapted to your kind of wall.






**Electrical connection:**

As this appliance is fitted with a power plug, it is prohibited to install it in France.

When installed in a bathroom, it must be safeguarded with a differential switch of 30 mA.

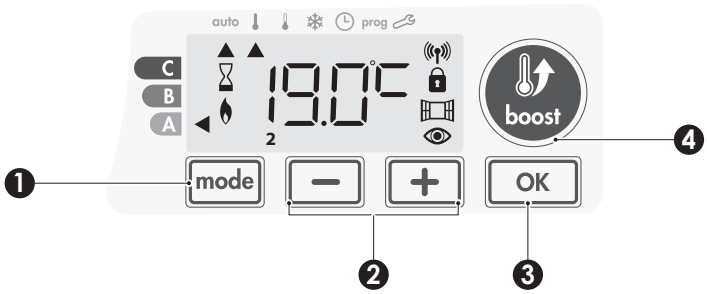
The device is class II insulated and, therefore, it cannot be earthed. The device should be powered by a single-phase current of 220-240 V ~50 Hz.

The electrical plug must be accessible at all times.

# OPERATION

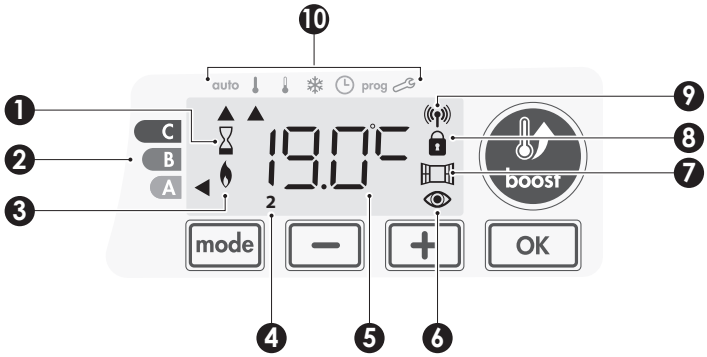
## DIAGRAM

- **Buttons overview**




1. Selecting operating modes
2. Plus and minus buttons, used to set temperatures, time, date and programmes
3. Save settings
4. Boost

- **Indicators overview**




1. Boost indicator light
2. Gauge consumption
3. Heating indicator
4. Days of the week (1=Monday ... 7= Sunday)
5. Setting temperature
6. Occupancy detection indicator
7. Open window detection indicator
8. Keypad locked
9. Radio transmission indicator
10. **Operation modes:**
    - **auto** Auto mode
    - Comfort mode
    - Eco mode
    - Frost protection mode
    - Time and date setting mode
    - **prog** Programming mode
    - Settings

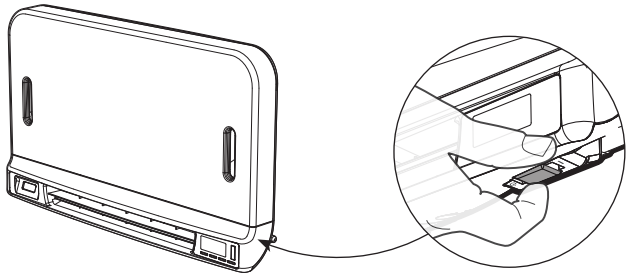
**Important:** In Auto, Comfort, Eco and Standby mode, backlight turns off automatically after 20 seconds if no buttons are pressed. It will be necessary to reactivate it by pressing one of the keypad buttons before making settings.

Before carrying out any setting procedures, ensure that the keypad is indeed unlocked (see page 8).

## POWER ON /STANDBY MODE

### 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.

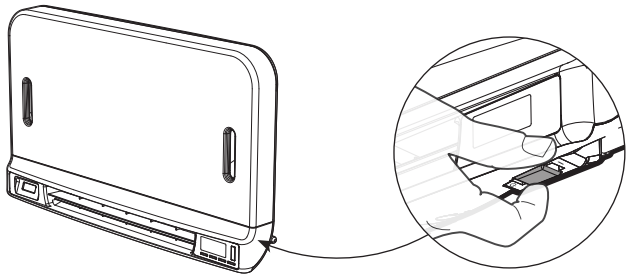


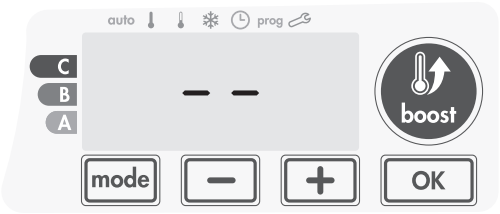
The device is in Auto mode.

**Note:** The heating indicator light will come on only if the measured temperature is below the preset temperature.
If the ambient temperature is below the set temperature by 2°C, the blower will switch ON (see page 7 Super comfort for further details).

### Standby feature

Since the button (switch) is on **I**, press it to switch it to the other position.



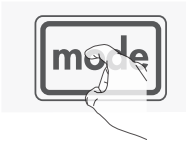



**Note:**
The settings that are adjusted during operation are automatically saved and will be applied at the time of the next use.

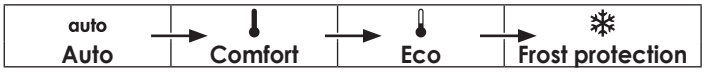
**Important:**
Before carrying out any setting procedures, ensure that the keypad is indeed unlocked (see page 8).

# 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**<br>In Automatic Mode, the device will automatically change from Comfort mode to Eco mode according to the established programme. |  |

**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 8).

| | |
|---|---|
| • **Comfort mode**<br>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 7). |  |
| • **Eco mode**<br>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 ) and during the night. |  |
| • **Frost protection mode**<br>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 22.

# BOOST FEATURE

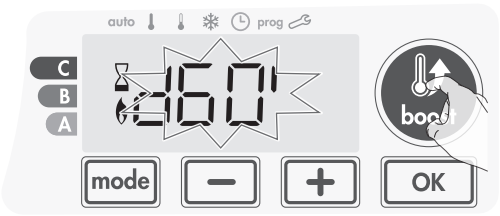
**Important: the Boost mode can be enabled at any time, whatever the current operating mode (Auto, Comfort, Eco or Frost protection).**

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

**Comment:** if the heating indicator is switched on, the blower switches on and heats the room in addition to the heat emitted by the device.

## - First press : Boost.

During the first minute: the boost symbol and the heating indicator appear and the duration count flash.




During the first minute, 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 15 for more details) by intervals of 5 minutes (or more quickly by push superior to 2 seconds) by pressing − and +. This modification will be saved and effective for the next Boost.
After 1 minute, the Boost count begins and the time is running, minute by minute.

**Comment:** After 1 minute, you can modify temporarily the duration: it will be valid only for this active Boost and therefore non-recurring.

## The Boost can stop for 2 different reasons:

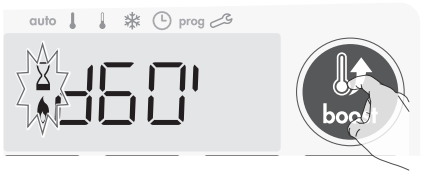
- FILT **appears on the display:**


The blower continues to operate but does not heat up. Check if nothing is put in front of the ventilation grid to not block the air flow. The filter could be full of dust, it must be cleaned (see page 23).

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



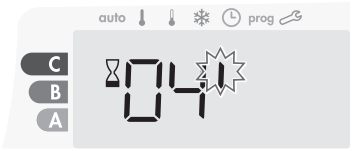

### - Second press = Boost cancellation.

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

## POST-VENTING

When the blower and the heating cartridge switch off, the venting continues to operate during few seconds to preserve and optimize the product life time.

Seconds appear and begin to count down, the keypad is inactive during the post-venting.




## SUPER COMFORT

The blower could be used as an instant additional heating in case of important difference between the ambient temperature and the setting temperature desired.
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 advanced settings page 14 then Super Comfort mode page 15).

**Example:** the device is in Eco set 17,5°C, you decide for a transition 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 requested.
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 alternately on the display.

The Super Comfort stops if:
- The difference is less or equal to 0,5°C.
- The difference is still 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

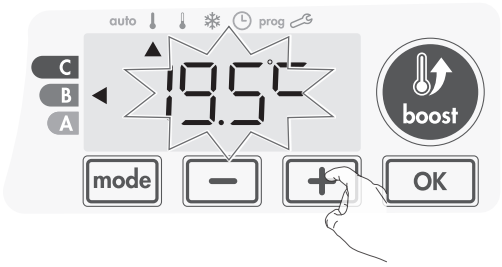
**France's Agency for Environment and Energy Management (ADEME) recommends a Comfort setting temperature lowerr or equal to 19°C.**
In the device display, a selector indicates the energy comsumption level by positioning it in front of the colour: red, orange or green. So, depending on the setting temperature, you can choose your level of energy usage. 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.

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

## SETTING THE COMFORT MODE TEMPERATURE

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

Using [−] and [+] 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 15 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 [mode] or [OK], the device is 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 [mode] or [OK], the device is automatically in the previous active mode.

# CHILD ANTI-TAMPER, KEYPAD LOCK/UNLOCK

## • Keypad lock

To lock the keypad, press the [−] and [+] buttons and hold them down for 10 seconds. The padlock symbol appears on the display, the keypad is locked.


## • Keypad unlock

To unlock the keypad, press the [−] and [+] buttons hold them down for 10 seconds again. The padlock symbol disappears from the display, keypad is unlocked.

**Important: when the keypad is locked, only the button (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.

## • Operation

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 9.


*Example of display in Comfort period*


*Example of display in Eco period*

The first week of operation is a learning week during which the device memorizes your habits and elaborates a program 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 interrupted by an external source, see important information concerning the presence detection system on page 12.**

## • Application of the intelligent program

One week after switching on, the device will apply the new program for the next 7 days. Then week after week the device will continue to optimize the intelligent program "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 program stops:** the device stores the previously recorded program 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 program 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 program from the last week before you left.

# 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.

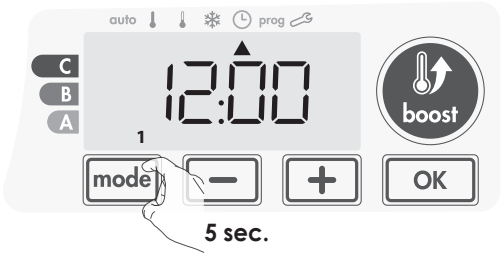
**Schematic sequence of programming settings:**

| Setting time → | Setting day → | Programmes choice |
|---|---|---|

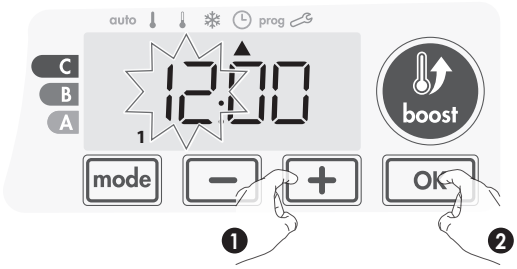
## • Setting day and time

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

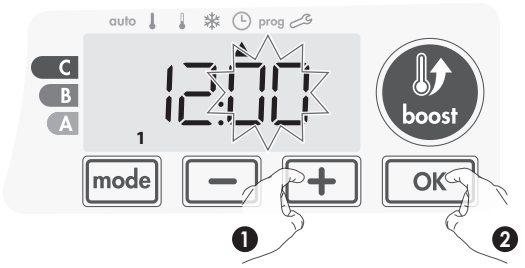
**1-** From Auto, Comfort, Eco or Frost protection mode, press [mode] for 5 seconds.
The cursor moves to the setting day and time mode.



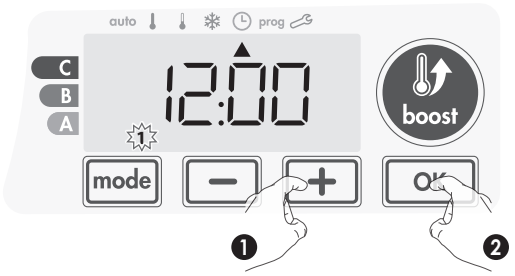

**2-** Select using [−] or [+]. The two hour figures will flash.
The hours will scroll quickly, if you press the [−] or [+] and hold them.
Save by pressing [OK].



**3-** The two minute 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 date using [−] or [+].
Save by pressing [OK].




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

## • Choices programmes

**Schematic sequence of programmes:**

| Auto → | Comfort → | Eco → | P1 → | P2 → | P3 |
|---|---|---|---|---|---|

**The device is delivered by default with the self-learning mode enabled as described on page 7. 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.**

## • Programmes overview

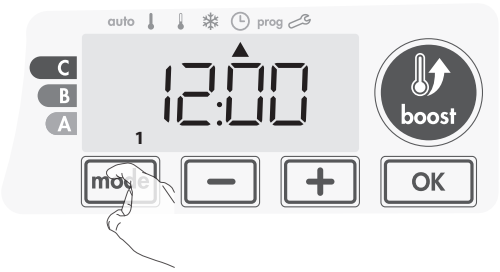
- **Auto:** Auto-programming (See Automatic programming with selflearning process page 10).
- **Comfort:** your device will operate in Comfort mode, 24 hours a day, as regards each day selected.
  **Note:** You can set the Comfort mode temperature to the temperature you require (see the Setting the Comfort mode temperature section page 7).
- **Eco:** The device will operate 24 hours a day in Eco mode.
  **Note:** You can set the temperature-lowering parameters (see page 14).
- **P1:** your device will operate in Comfort mode from 06:00 to 22:00 (and in Eco mode from 22:00 to 06:00).
- **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

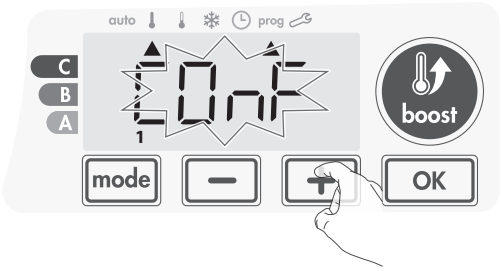
If the default time schedules for the P1, P2 and P3 programmes does not suit your routines, you can change them.

**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.**

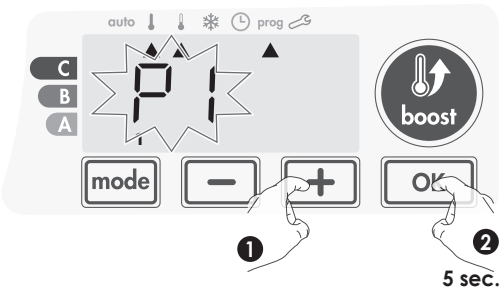
**1-** If you just set the time and day, go to step 2.
From Auto, Comfort, Eco or Frost protection mode, press [mode] for 5 seconds.
When the cursor moves above the setting time symbol, press [mode] shortly.



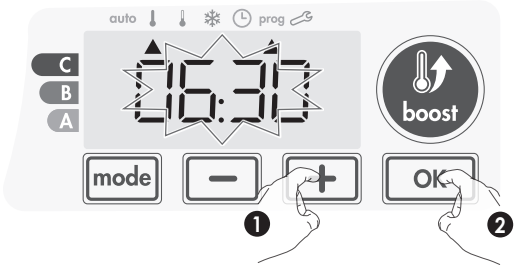

**2-** Press [−] or [+]. The cursor moves above **prog**.




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

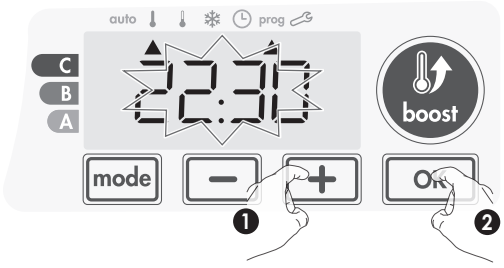



**4-** The P1 start time (which by default is 06:00) will flash.
Using [−] or [+], you can change this time, by increments of 30 minutes.




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-** Press [mode] to exit the programming Mode and return to Auto Mode.

**Note:** If you do not touch the keys, the device will automatically return to Auto mode after a few minutes.

## • Choices and allocation programmes

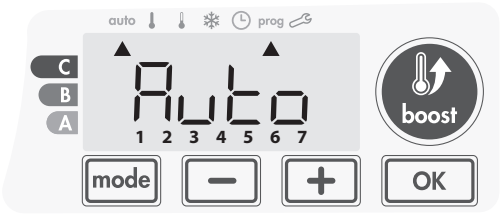
**1-** If you just set the time and day, the cursor moves automatically under **PROG.**

From Auto, Comfort, Eco or Frost protection mode, then press [mode] for 5 seconds. When the cursor positionned under the set time symbol, press [mode] again.

**Prior information:**
display area

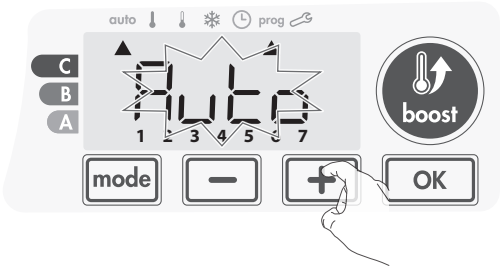

| Correspondence days / numbers | |
|---|---|
| Monday | 1 |
| Tuesday | 2 |
| Wednesday | 3 |
| Thursday | 4 |
| Friday | 5 |
| Saturday | 6 |
| Sunday | 7 |

The days of the week are all displayed. The default program Auto (Auto Program, see page 7) appears on the display.



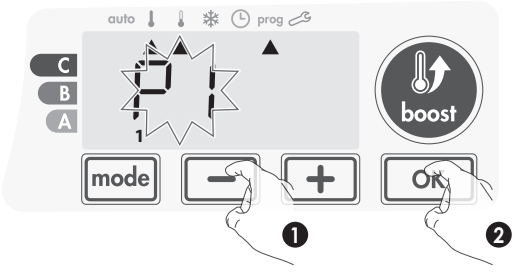

**2-** Press [−] or [+].

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



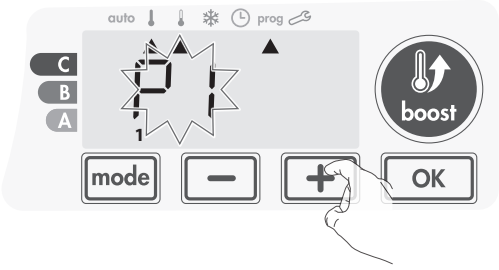

**3-** Choose the programme you want for this day with [−] or [+].

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

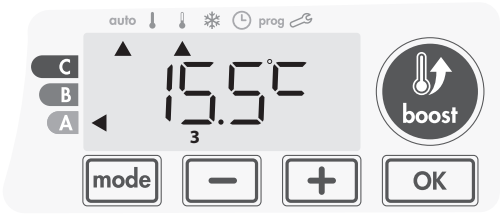
- From Auto, Comfort, Eco or Frost protection mode, press mode for 5 seconds. Press mode twice, the programme for each day of the week (Comfort, Eco, P1, P2 or P3) will scroll on display in front of you.
- To exit the programme viewing mode, press mode twice.

## • Manual and temporary exemption from a running programme

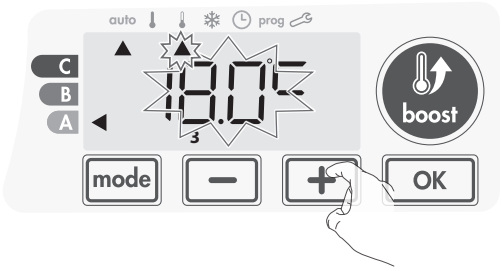
This function allows you to change the setting temperature temporarily until the next scheduled change in temperature or the transition to 0:00.

**Example:**

**1-** The device is in Auto mode, the running programme is Eco 15,5°C.

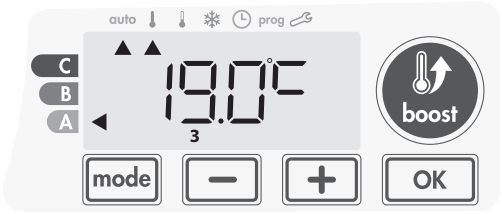



**2-** By pressing − or +, you can change temporarily the desired temperature up to 18°C for example.




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

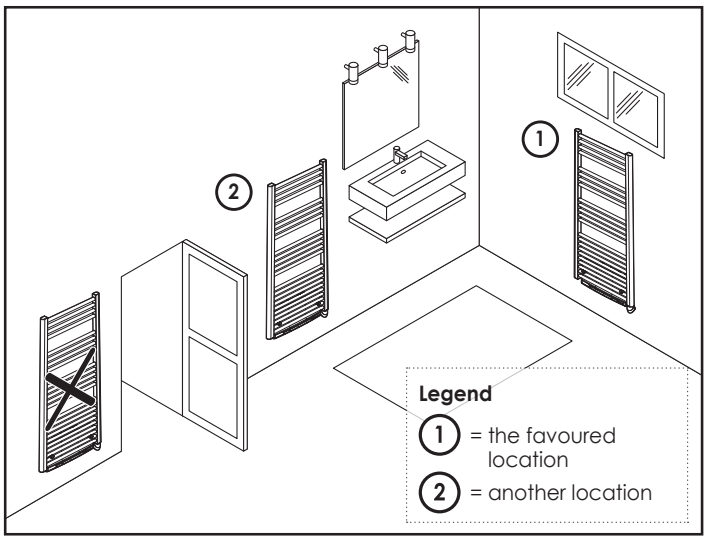
**3-** This change will be automatically cancelled at the next change of programme or transition to 0:00.




# *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, 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. Two ways to enable the detector:
- **Automatic activation,** the lowering temperature cycle starts as soon as the blower detects a temperature change.
- **Manual activation,** the cycle of lowering temperature starts by pressing a button.

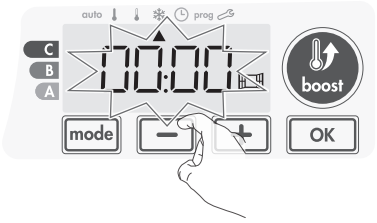
## • Automatic activation (factory settings)

To disable this mode, see page 17.
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.

## • Manual activation

By pressing − for more than 5 seconds, the device will switch on 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 at the next time to Frost protection by opened window (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

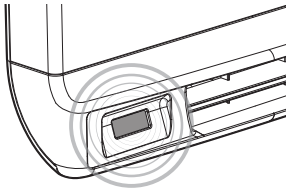
## • Important information about the occupancy detection

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 17.

**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, furniture...).

### Lowering the temperature during unoccupied periods

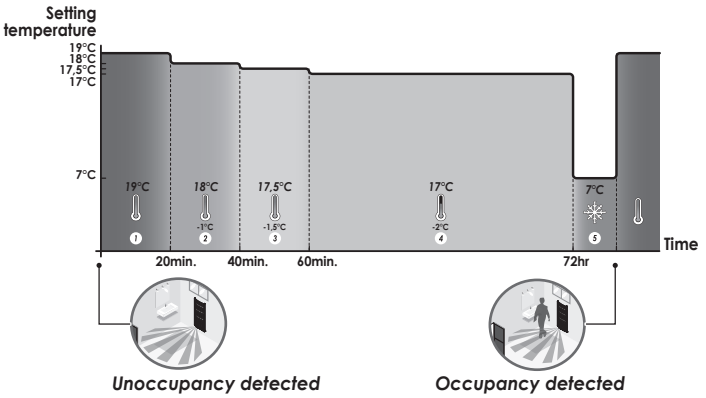
| Unoccupied periods* | Value of lowering setting temperature* |
|---|---|
| 20 minutes | Comfort -1°C |
| 40 minutes | Comfort -1,5°C |
| 1 hour | Comfort -2°C |
| 72 hours | Frost protection |

** Unchangeable factory settings*

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

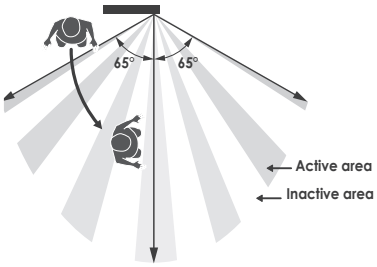
**Remarks:**
By default, when the sensor is enabled and detects movement in the room, the display lights up for a few seconds then switches off. To change the backlight see page 14, backlight setting.

## • Operation



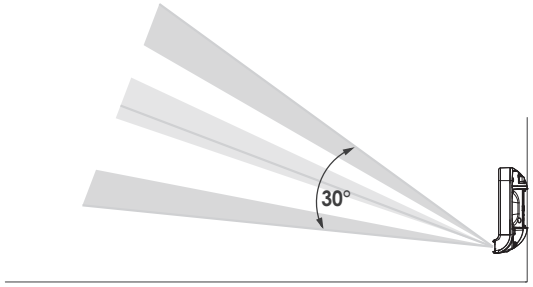

## • Divisions of the detection zone

*Top view*




**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.

*Side view*



## 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);
- Open window detector;
- Occupancy detector.

**In general, it is the lowest received order which prevails**
- **If an open window or an occupancy absence of more than 72 hours is detecting, switching to frost protection takes precedence.**

**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 Eco mode, 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).
- **The Boost activation will take precedence over others orders received.**

## OPTIONAL: REMOTELY MANAGEMENT BY RF REMOTE CONTROL

### • Overview

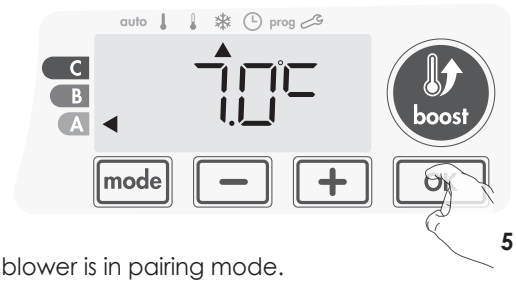
Your device can be managed by a wireless RF remote control.

**Only the RF pairing procedures to operate on the controller are described in this instructions manual.**
**For installing and using the remote control, refer to its instructions manual.**

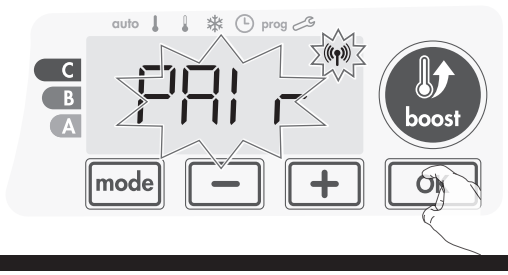
### • RF pairing between the remote control and the blower

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

**1-** From Frost protection mode, press OK for 5 seconds.




**2-** The blower is in pairing mode.
Then proceed to the remote control pairing (refer to its installing and using instruction manual).

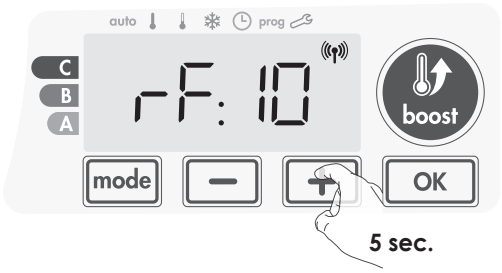



**3-** When both blower and remote control are linked, the (( )) symbol appears and is constantly displayed. The blower returns automatically to the frost protection mode.


### • Check the RF signal strength

You can check at any time the RF transmission performance between the blower 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.



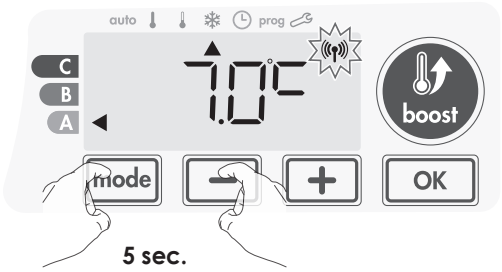

**1 = Low RF transmission level:**
To improve the RF transmission performance between the 2 devices and ensure the remotely management is optimized:
- Please ensure the RF transmission is not interrupted, move the remote control.
- Move the remote control closer to the blower.

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

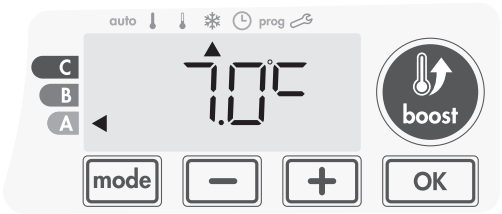
### • RF pairing cancellation

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

From Frost protection mode press simultaniously on − and mode for 5 seconds.



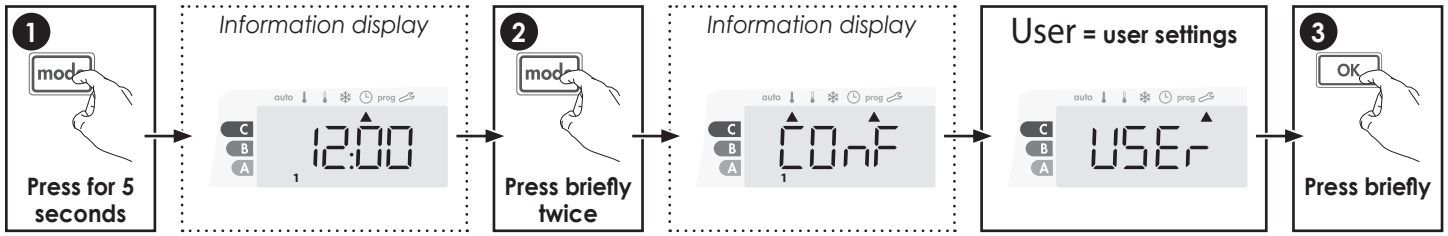

The (( )) symbol disappear from the display, the remote control and the blower are not associated.



# USER SETTINGS

## ACCESS

You access User settings in 3 steps:
From Auto, Comfort, Eco or Frost protection mode :




**Setting sequence:**
Backlighting → Eco mode temperature lowering-level → Frost protection temperature → Super comfort → Comfort setting temperature limit → Maximal Boost duration → Maximum ambient temperature → Temperature unit

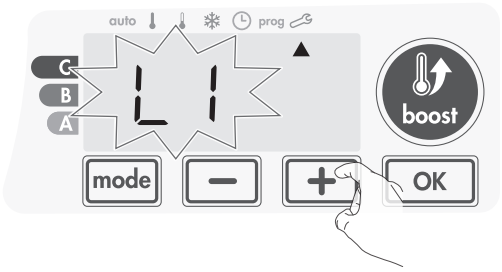
## BACKLIGHT SETTING

**1-** Three modes can be set:

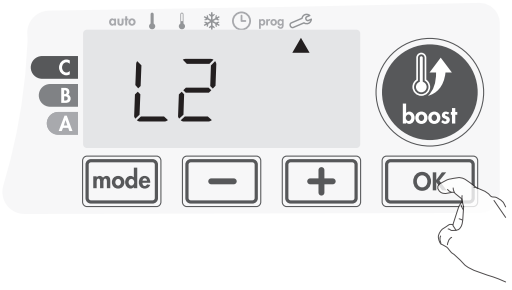
L1 = Temporary backlighting: Backlight of the display when a button is pressed or during occupancy detection.
L2 = Non-stop backlighting: Backlight of the display all the time.
L3 = Temporary backlighting: Backlight of the display when a button is pressed.

L3 mode is the default setting.

Press [−] or [+] to choose the setting you require.




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

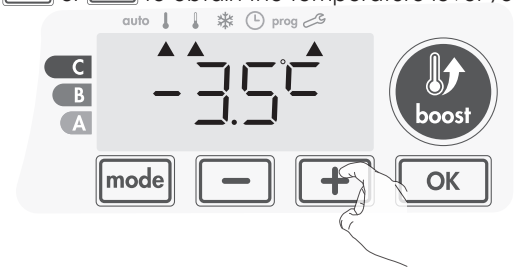



To exit the user settings, press [mode] twice.

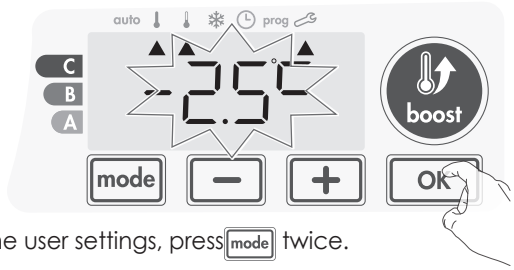
## SETTING THE ECO MODE TEMPERATURE LOWERING-LEVEL

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 is set at, the Eco setting temperature will never exceed 19°C.**

**3-** Press [−] or [+] to obtain the temperature level you require.




**4-** Press [OK] to save and move to the next setting.

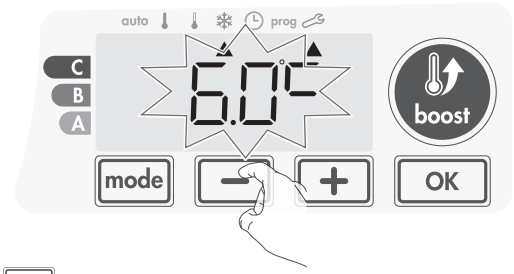



To exit the user settings, press [mode] twice.

## 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 intevals of 0.5°C.

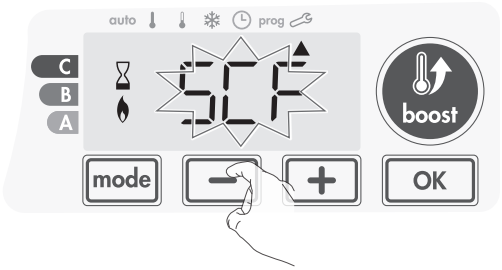
**5-** Press [−] or [+] to obtain the temperature you require.




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

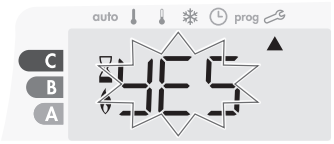
## SUPER COMFORT - ACTIVATION/ DEACTIVATION

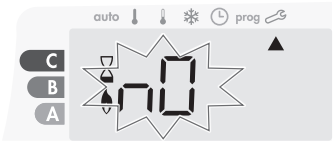
By default, the Super comfort is enabled.




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

**7-** Press [−] or [+] to enable or disable the Super comfort.




yes = Super Comfort enabled.
NO = Super Comfort disabled.

**8-** To save and move automatically to the next setting, press [OK]. To exit the user settings, press [mode] twice.

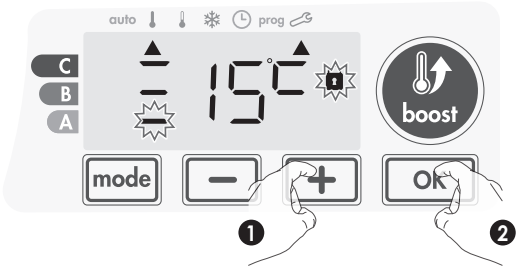
## COMFORT SETPOINT TEMPERATURE LIMIT

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.

**9-** To change the minimum temperature setting, press [−] or [+] then save by pressing [OK].

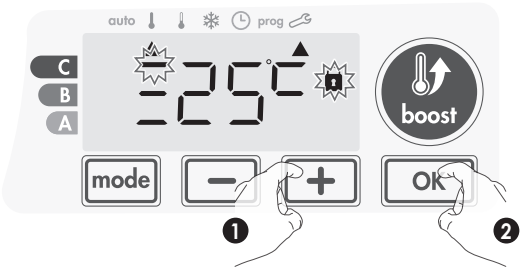



If you do not want to change it, press [OK]: the device changes automatically to set the maximum setting. To exit the user settings, press [mode] twice.

- **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.

**10-** To change the maximum temperature setting, press [−] or [+].

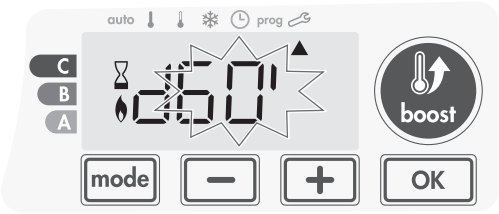



To save and move automatically to the next setting, press [OK]. To exit the user settings, press [mode] twice.

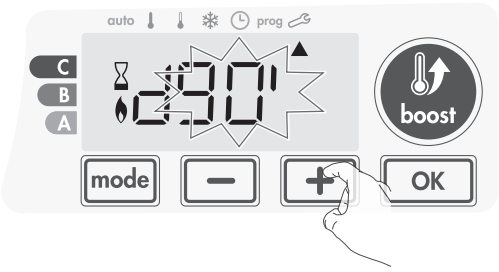
## SETTING OF THE MAXIMUM DURATION OF AUTHORISED BOOST

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

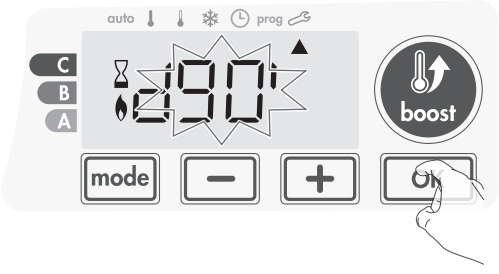
**11-** The Boost symbol and the heating indicator appear on the display and the preset duration of 60 minutes flash.




**12-** Press [−] or [+] to display the desired duration.




**13-** To save and move automatically to the next setting, press [OK].



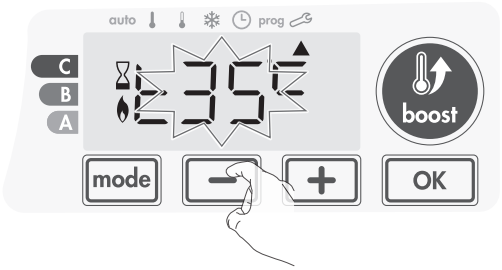

To exit the user settings, press [mode] twice.

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

When the Boost is enabled, the blower 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.

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




**15-** To save and move automatically to the next setting, press [OK]. To exit the user settings, press [mode] twice.

## SETTING THE TEMPERATURE UNIT

The pre-set temperature unit is degrees Celsius. This setting cannot be changed on this version.

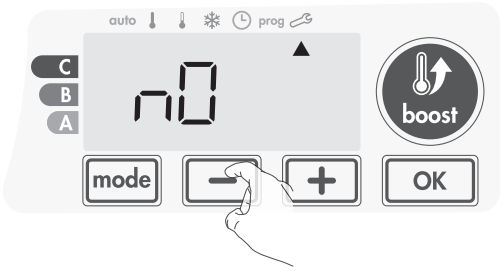
**16-** To move automatically to the next setting, press [OK]. To exit the user settings, press [mode] twice.

## RESTORING FACTORY SETTINGS

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

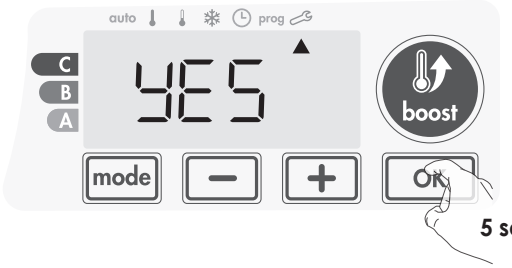
**1-** From the setting of the temperature unit, press [OK]. rest appears on the display.


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




yes = Factory settings reset
NO = Factory settings not reset

**3-** Press the key [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:

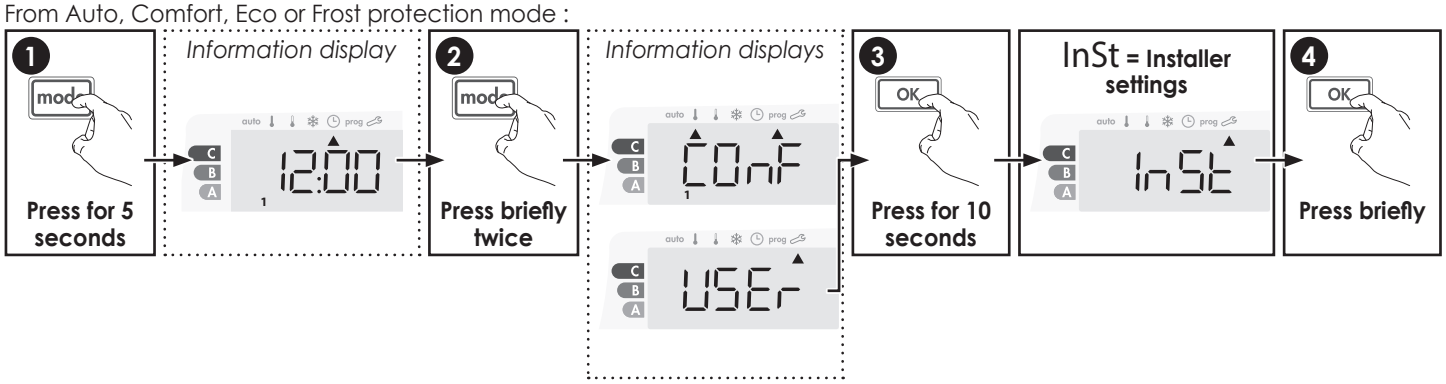
| Parameters | Factory settings |
|---|---|
| **Operation** | |
| **Comfort setting temperature** | 19°C |
| **Boost duration** | 60 min. |
| **Keypad lock** | Disabled |
| **User settings** | |
| **Backlighting** | L3 |
| **Eco mode temperature lowering-level** | -3,5°C |
| **Frost protection temperature** | 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 |
| **Temperature unit** | °C |

Press [mode] to exit the user settings.

# INSTALLER SETTINGS

## ACCESS

You access User settings in 4 steps:
From Auto, Comfort, Eco or Frost protection mode :

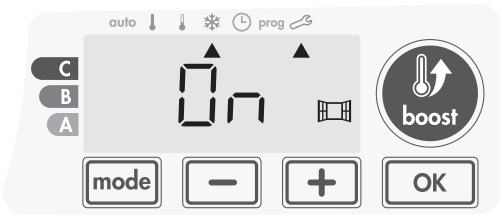



**Setting sequence:**
Configuration of detection modes → Dual optimization feature → PIN code lock → Restoring factory settings

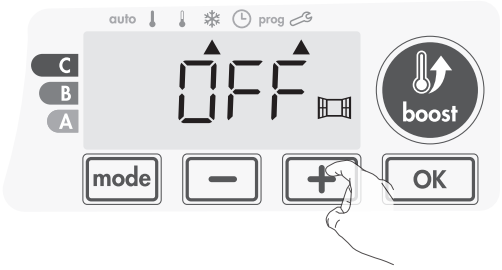
## CONFIGURATION OF DETECTION MODES

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

The automatic mode enabled is the default setting.




**1-** Press [−] or [+].
On = automatic mode enabled.
OFF= automatic mode disabled.

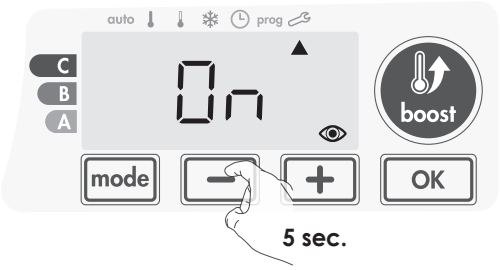



**2-** To save and move automatically to the next setting, press [OK]. To exit the user settings, press [mode] 3 times.

- **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 automatically to the next setting, press [OK]. To exit the user settings, press [mode] 3 times.

## DUAL OPTIMIZATION FEATURE

- **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):

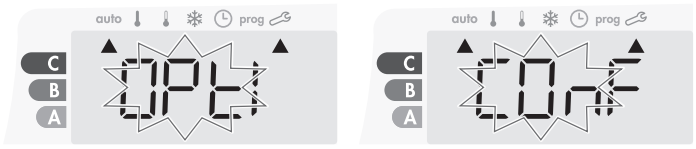
  - **In OPTI ECO mode (efficiency priority),** the devices inbuilt algorithms will calculate the best compromise in order to guarantee maximum energy savings throughout the programmed increase and decrease phases.
    In this mode, a slight drop in the temperature level at the beginning and end of the comfort period is allowed to maximize energy savings.

  - **In OPTI COMFORT mode (priority to comfort),** the device 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 OPTIwill appear briefly on the display then it will alternate with the set mode CONF, ECO or OFF.

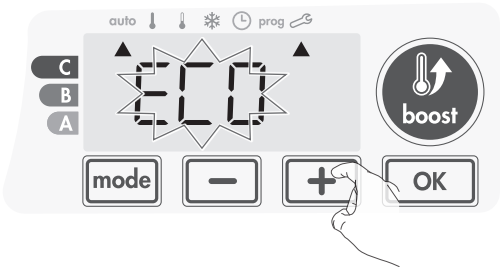



**1-** Press [−] or [+].

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 automatically to the next setting, press [OK]. To exit the user 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.
- Optimization choice.
- Occupancy detection settings.

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.

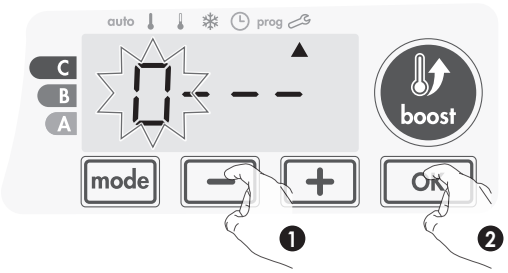
**2 - Activation of the PIN Code** to lock settings which will be protected by the PIN code.

**3 - Customizing the PIN code,** replace 0000 by the customized code

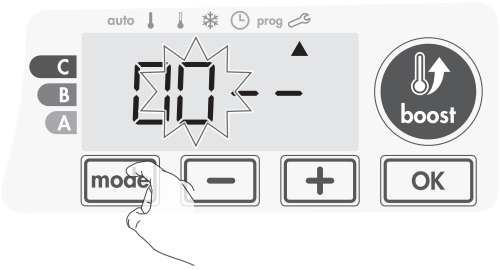
## • PIN code initialisation

By default, the PIN code is not enabled. The setting access is available in Standby mode only.

**1-** By default registered PIN code is 0000.
Press [−] or [+] to select 0. It is blinking. Save by pressing [OK].




**2-** For others numbers, select 0 by pressing [OK].
When 0000 appears, press on [OK] again to save and exit.

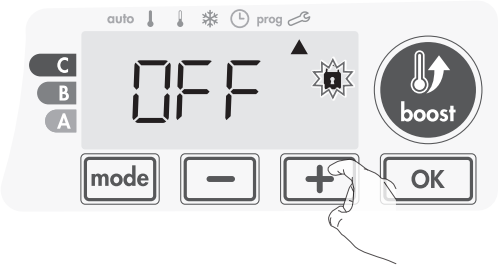



The PIN code is initialized, the next setting automaticaly appears: PIN Code activation.

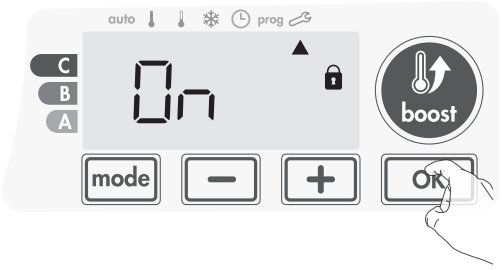
## • Activation/deactivation of the PIN Code

**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.

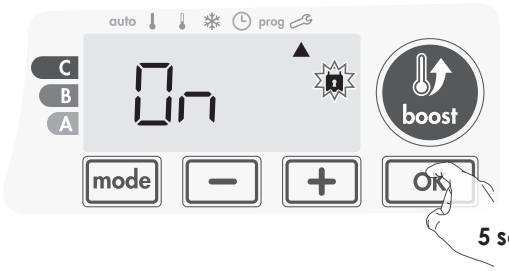



The PIN code is enabled. Any modification of reserved settings listed in "Overview" is now impossible.

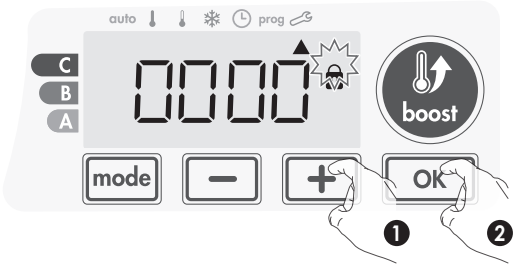
## • Customizing the PIN code

If you have just activated the PIN code, follow the stages described below.
Alternatively, you must copy the steps 1 and 2 of the initialisation process as well as 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 next 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.

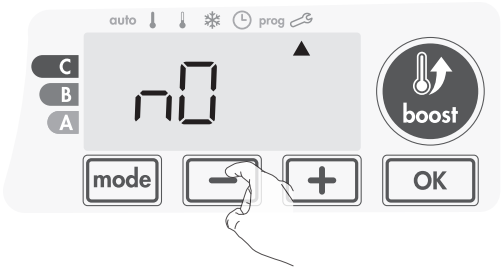

To exit the Installer settings, press [mode] twice.

# *RESTORING FACTORY SETTINGS*

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:

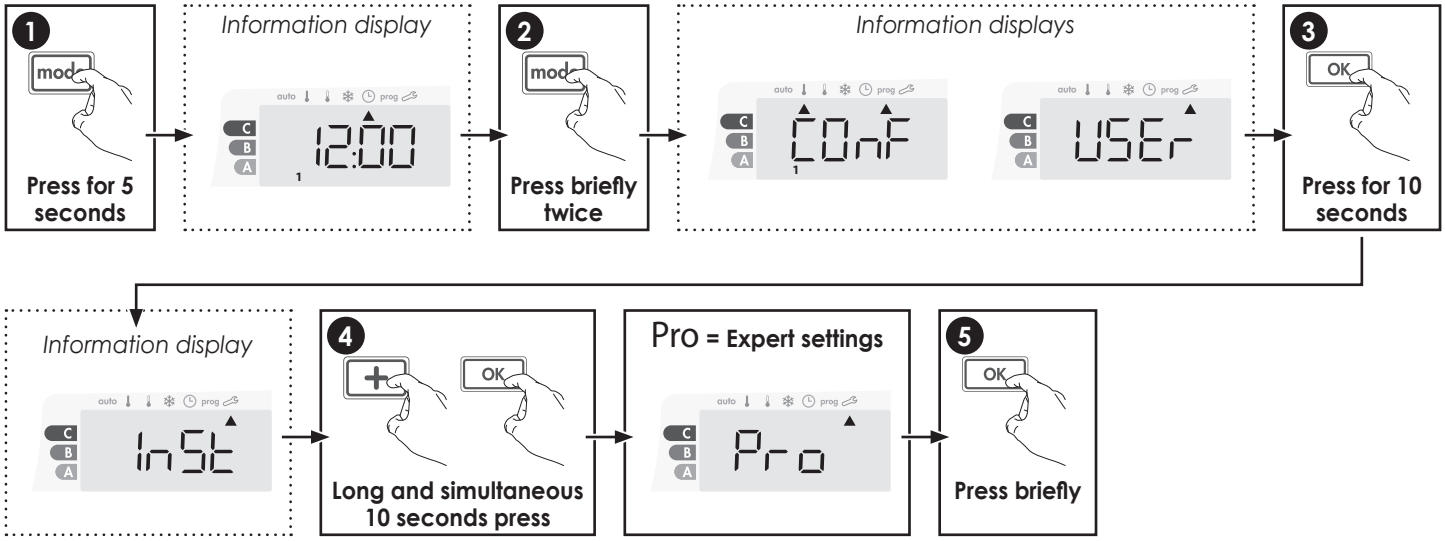
| Settings | Factory settings |
|---|---|
| **Operation** | |
| **Comfort setting temperature** | 19°C |
| **Boost duration** | 60 min. |
| **Keypad lock** | Disabled |
| **User settings** | |
| **Backlighting** | L3 |
| **Eco mode temperature lowering-level** | -3,5°C |
| **Frost protection temperature** | 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 |
| **Temperature unit** | °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

You access expert settings in 5 steps.
From Auto, Comfort, Eco or Frost protection mode :




**Setting sequence:**

Ambient temperature sensor adjustment → Setting the energy type → Setting the power → Internal temperature monitoring → Restoring factory settings

## 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 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 adjustment

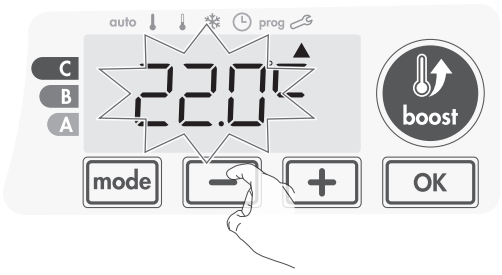
**1- If the room temperature difference is negative, example :**
Setting temperature (what you want) = 20°C.
Ambient temperature (what you read on a reliable thermometer) = 18°C.
Difference measured = -2°C.

**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 [−].

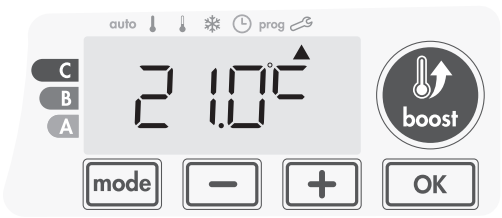
In our example the measured temperature by the sensor goes from 24°C to 22°C.




**2- If the 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.

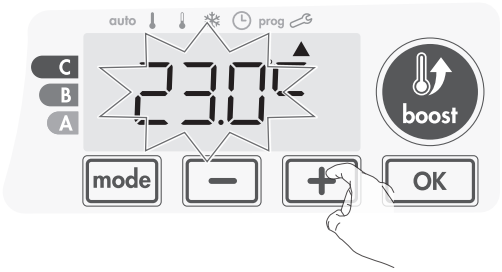
To correct, then proceed as follows :

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.

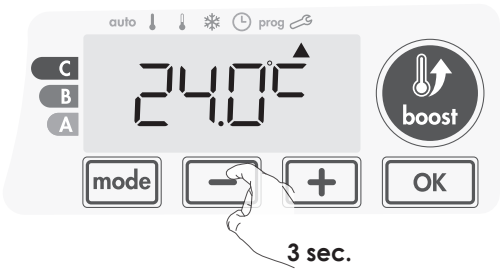



To validate the new value press [OK]. To exit the Expert settings, press [mode] 3 times.

- **The reset to zero of the sensor calibration**

To put the value of the correction to "0", do the following :

**1-** When the temperature measured by the sensor appears, press [−] or [+] for at least 3 seconds.




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

**Important: These changes should be performed by qualified staff, it should be performed in production or on site during the first installation**

## SETTING THE ENERGY TYPE

Our blower can be used to manage 2 types of energy:
- The electric energy provided by the home electric installation to control an electrical towel rail.
  Or
- The hot water provided by the heat generator of the central heating installation to control an hydraulic towel rail. In this case, the blower will manage a motorized valve installed on the towel rail.

By default, the blower has been configurated to control an electrical towel rail.

**1-** ELEC appears on the display. By pressing [−] or [+], you can change the energy type used by the towel rails.


ELEC = electric energy
HYdr = hydraulic energy ⚠ **Not available in this version**

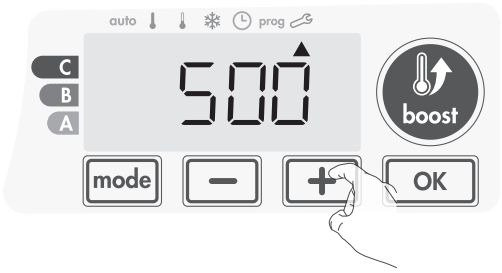
**2**- To save and move automatically to the next setting press [OK].

To exit the Expert settings, press [mode] 3 times.

## SETTING THE POWER

To optimize the controller for your towel rail and estimate the energy consumed, it is essential to set the power of the device.

**1-** Pre set value: 500W. Select a value between 500W and 1500W by pressing [−] or [+].




**2**- To save and move automatically to the next setting press [OK].


**3-** To exit the Expert settings, press [mode] 3 times.

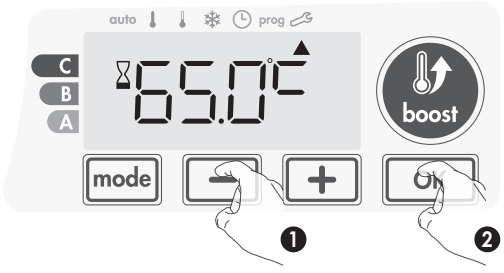
## INTERNAL TEMPERATURE MONITORING

An integrated overheating safety is present on our blower. It is activated when an internal temperature limit is reached: the blower and its controller will stop immediately.

The maximum setting is preset to 65°C. You can adjust from 60°C to 90°C by intervals of 5°C.

Press [−] or [+] then save by pressing [OK].

If you do not want to change it, press [OK]: the device changes automatically to set the next setting.

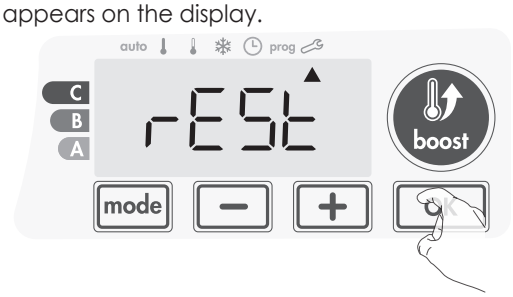



To exit the Expert settings, press [mode] 3 times.

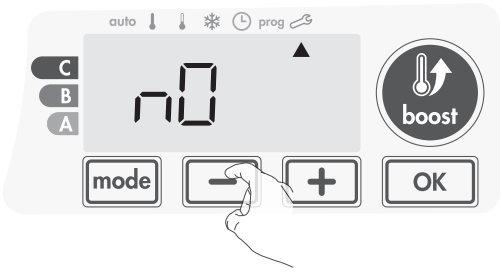
## *RESTORING FACTORY SETTINGS*

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

**1-** From the internal temperature monitoring 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 the key [OK] for 5 seconds. The device returns to its initial configuration and goes back automatically to the Auto mode.


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** | |
| **Backlighting** | L3 |
| **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 |
| **Temperature unit** | °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** | |
| **Energy type** | Elec |
| **Power** | 500W |
| **Internal temperature monitoring** | 65°C |

To exit the Expert settings, press [mode] 3 times.

# LOAD SHEDDING AND POWER CUT

## *OTHER REMOTE MANAGEMENT BY POWER SHUTDOWN*

**Important : The power supply of the device should be cut when working on the electrical system only. The load shedding does not be operated by an additional system with mechanized power shutdown (with contactor…). The load shedding with frequent mechanized power shutdowns can cause deterioration of the device depending of the quality of switching elements used. This type of deterioration would not be covered by the manufacturer's warranty.**

## *IN CASE OF POWER CUT, BACKUP*

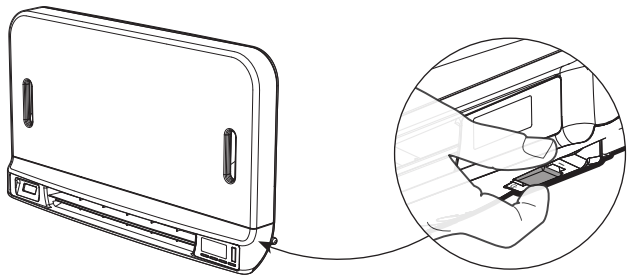
- **After short power cuts (less than 16 hrs)**, the device will start up again without any outside input being required – you do not have to do anything. All the settings and the correct time will be saved.
When the main power supply returns, your device will again operate using correct time and the settings that were programmed before the power cut (e.g. desired temperature, operating mode, programmes, etc.). It will start up again in the mode which was active before the power outage

- **For longer power supply cuts (more than 16 hrs)**, check the timer setting. All the other settings are automatically and permanently saved.

# MAINTENANCE AND CLEANING

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

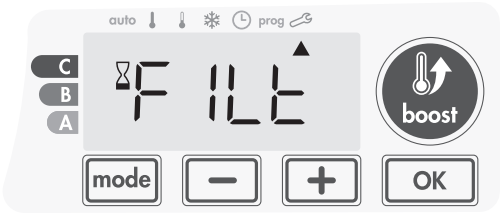
The device can be cleaned with a damp cloth; never use abrasives or solvents.



### • Maintenance and cleaning of the dust filter

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.

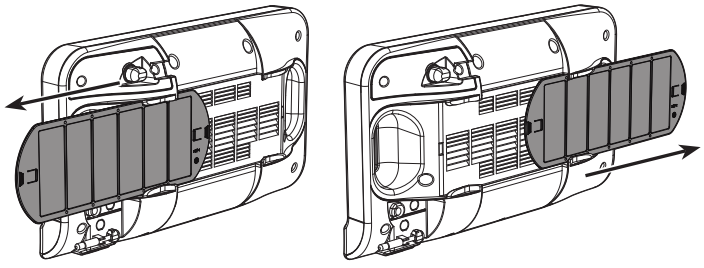
In Boost mode, the writing FILT appears on the display.




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

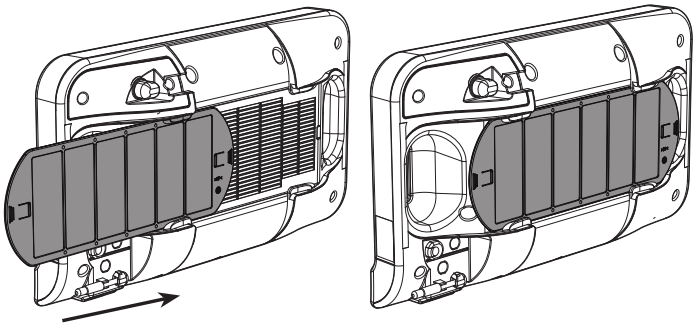
To clean the filter, proceed in the following order:

**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.



# WARRANTY

Any modifications to essential safety components (such as the characteristics and power rating of the heating element, and the type and volume of the special fluid in the electric radiator) are not permitted. In the event of such unprofessional work, the warranty will be void immediately.

# DISPOSAL

Make sure the power cable is disconnected from the mains before carrying out any operation. To remove the unit, follow the wall-mounting steps in reverse order.

The symbol on the product label indicates that the product may not be handled as domestic waste, but must be sorted separately. When it reaches the end of its useful life, it shall be returned to a collection facility for electrical and electronic products. By returning the product, you will help to prevent possible negative effects on the environment and health to which the product can contribute if it is disposed of as ordinary domestic waste. For information about recycling and collection facilities, you should contact your local authority/municipality or refuse collection service or the business from which you purchased the product. Applicable to countries where this Directive has been adopted.

# TECHNICAL DATA

| Nr. of tubes | 16 | 24 | | 28 | | 36 | |
|---|---|---|---|---|---|---|---|
| Height (mm) | 775 | 1181 | | 1411 | | 1763 | |
| Length (mm) | 585 | 495 | 585 | 495 | 585 | 495 | 585 |
| Output (W) | 1350 | 1550 | 1650 | 1650 | 1850 | 1950 | 1950 |
| Article nr. | 0184B0002 | 0184B0004 | 0184B0005 | 0184B0010 | 0184B0011 | 0184B0007 | 0184B0008 |

Voltage: 220-240 V ~50 Hz
Class II - IP44
Heating body in steel
Heating cartridge with integrated thermal limiter and thermal fuse.
Blower with 950 W PTC heat element.

| Reference (s) of the model | 0184B0002, 0184B0004, 0184B0005, 0184B0007, 0184B0008, 0184B0010, 0184B0011 | | | | | |
|---|---|---|---|---|---|---|
| Item | Symbol | Value | Unit | Item | Unit |
| **Heat output** | | | | **Type of heat output/room temperature control** | |
| Nominal heat output | Pnom | 1.35 / 1.55 / 1.65 1.85 / 1.95 | kW | single stage heat output, no room temperature control | No |
| Minimum heat output (indicative) | Pmin | 1.35 / 1.55 / 1.65 1.85 / 1.95 | kW | two or more manual stages, no room temperature control | No |
| Maximum heat output | Pmax,c | 1.35 / 1.55 / 1.65 1.85 / 1.95 | kW | with mechanic thermostat room temperature control | No |
| **Auxiliary electricity consumption** | | | | with electronic room temperature control | No |
| Off state | $P_o$ | N.A. | W | with electronic room temperature control plus day timer | No |
| Standby mode | $P_{sm}$ | 0,70 | W | with electronic room temperature control plus week timer | Yes |
| Idle mode | $P_{idle}$ | 0,70 | W | **Other control options** | |
| Network-connected standby mode | $P_{nsm}$ | N.A. | W | room temperature control, with presence detection | Yes |
| Standby mode with information or status display | | | Yes | room temperature control, with open window detection | Yes |
| Seasonal energy efficiency for space heating in the on state | $\eta_{s,on}$ | 0,94 | | with distance control option | No |
| | | | | with adaptive start control | Yes |
| | | | | with working time limitation | No |
| | | | | with black bulb sensor | No |
| | | | | Self-learning function | Yes |
| | | | | Control accuracy | Yes |
| Contact details: Stelrad Radiator Group, Welvaartstraat 14 bus 6, B-2200 Herentals | | | | | |

Standards:

| EMC | Low voltage | RoHS |
|---|---|---|
| EN55014-1 | EN60335-1 | EN50581 |
| EN55014-2 | EN60335-2-30 | |
| EN61000-3-2 | EN60335-2-43 | |
| EN61000-3-3 | EN62233 | |