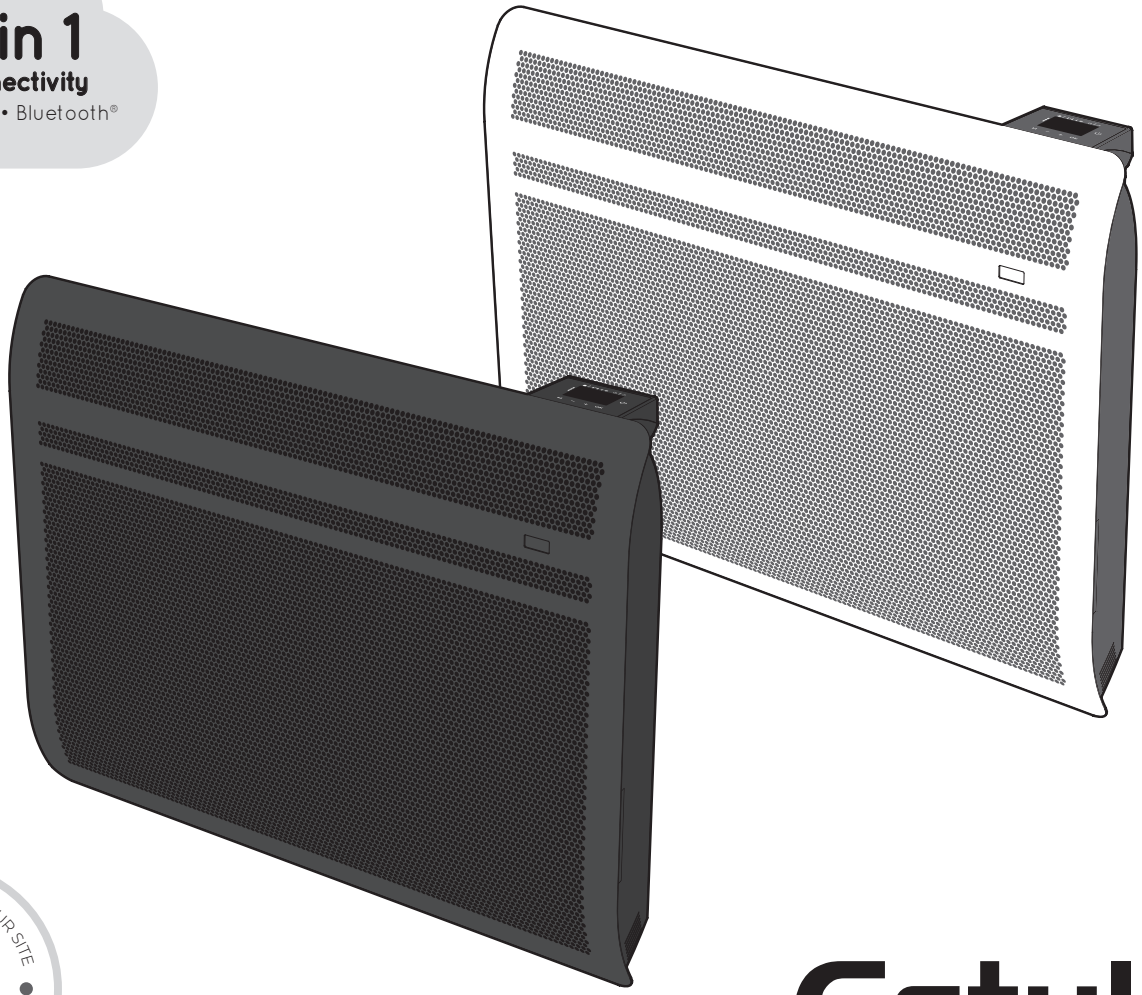
NEOMITIS

Creator of innovative solution for thermal comfort and energy savings

3 in 1

Triple connectivity

Wi-Fi • Zigbee • Bluetooth®



MANUFACTURED ON OUR SITE IN FRANCE

Estyle

SMART RADIANT PANEL HEATERS : WI-FI - ZIGBEE - BLUETOOTH®, RADIANT HEAT

Energy consumption gauge and indication - Open window detection - Weekly and daily programming - Boost - Programmable holiday mode - Temperature limitation - PIN code lock

EcoSens® innovation pack: Occupancy detection- Automatic programming with self-learning process and dual optimisation feature

UK CA

Download the free application MYNEOMITIS

Download on the App Store

Download on Google Play

Can be controlled by voice

works with the Google Assistant

Compatible with Amazon Alexa

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Scan the QR code below with your smartphone:

Remote control by voice command

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INSTALLING THE HEATING DEVICE

WARNINGS AND PRECAUTIONS

- **Warnings**

All damage resulting from non-compliance with this advice gives rise to non-application of the terms of the manufacturer's warranty.

- Do not use the appliance outdoors.
- Your appliance is intended for domestic usage and must not be used for other purposes.
- If the appliance has fallen on the ground, has been damaged or does not work properly, do not switch it on and ensure that the power supply to it has been cut off (by means of a fuse or a circuit breaker).
- Never disassemble the appliance. A badly-repaired appliance may present risks for the user.
- Please consult your local point of sales regarding any problems.
- If the power supply cable is damaged, it must be replaced by the manufacturer, its after-sales service department or another electrical professional in order to avoid any dangers arising.



- **WARNING: in order to avoid overheating, don't cover the device.** If the device is covered, the rise in temperature will trigger the internal circuit breaker. Any damage caused by this will invalidate the warranty.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical sensory or mental capabilities or lack of experience and knowledge, if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

  Children of less than 3 years should be kept away unless continuously supervised.

  Children aged from 3 years and less than 8 years shall only switch on/off the appliance provided that it has been placed or installed in its intended normal operating position and they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.

  Children aged from 3 years and less than 8 years shall not plug in, regulate and clean the appliance or perform user maintenance.



CAUTION - Some parts of this product can become very hot and cause burns. Particular attention has to be given where children and vulnerable people are present.

When the appliance is in heating, make sure they don't lean on it and don't play nearby. Vulnerable and young children should not be left in the vicinity of the heater unless a suitable guard is fitted.

The normal cleaning is the responsibility of an adult who has read the instructions and understood the operation of the appliance.

Any other operation or technical intervention must be performed by a qualified professional installer.

- Do not insert objects or paper in the appliance.
- **If the removal of the appliance is necessary, do not remove or refit the appliance onto the wall-mounting brackets without making sure it is cold and the main electrical supply and main board to the system are off.**

• Suggestion, positioning, location

Before connecting up the radiant panel heater to the mains power supply, switch off mains power at the main circuit breaker.

This electric radiant panel heater is a class II double insulated IP24 device, therefore it can be installed in all the rooms of a house including in safety zones 2 and Out of zone in bathrooms, but sheltered from water splashes.

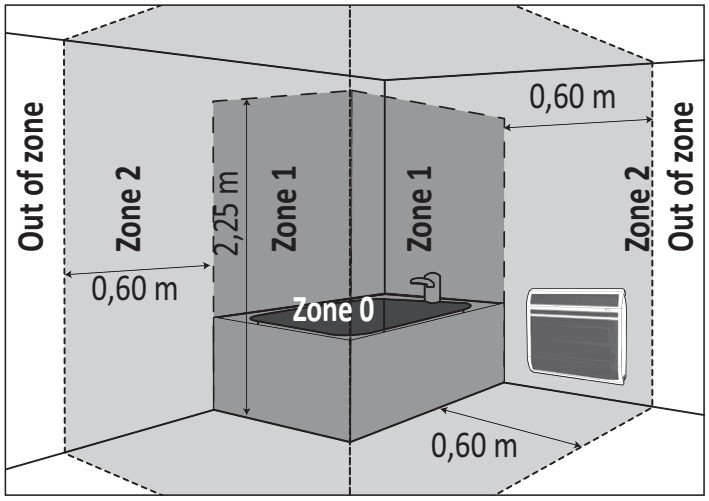
The heating device must be installed in such a way that on-off switches and other control devices cannot be touched by a person located **in a bathtub or in a shower cabinet** (in accordance with I.E.E. Wiring Regulations (BS 7671:2008).

The radiant panel heater must not be located immediately below a socket-outlet.

The radiant panel heater must be installed at least 15cm from any obstacle (ie shelving, curtains, items of furniture, etc.).

In accordance with the applicable installation rules, a means of disconnection must be provided in the fixed wiring to which the appliance is connected.

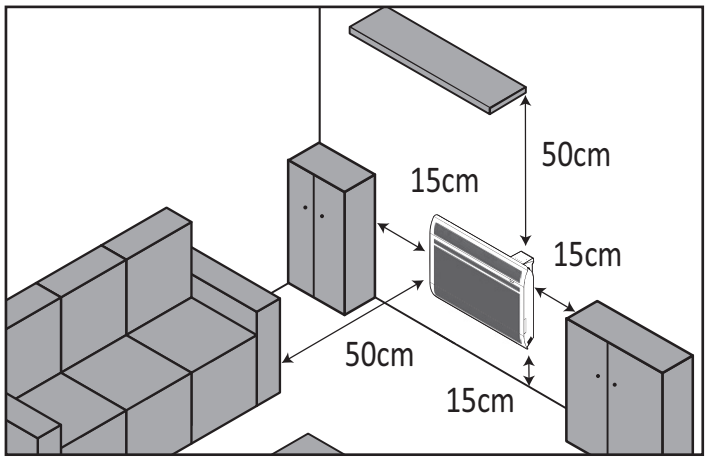
An omnipolar disconnecting device protecting the supply line to the appliance is such a means.



Zone 0	No electric heating device.
Zone 1	
Zone 2	Electric heating device of class II and IPX4 protected by a differential circuit breaker 30 mA.
Out of zone	Electric heating device of class I or II protected by a differential circuit breaker 30 mA.

This picture is only for your reference. In any case, the product must be installed by a qualified professional installer, according to applicable standards and directives of the country in which it is installed.

Locate the heater within minimum distances from obstacles.

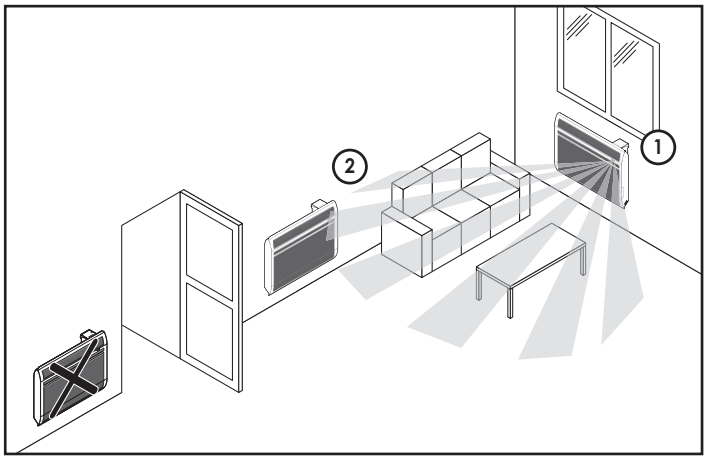


Above an altitude of 1000 m, installation of vertical devices is not recommended. The altitude causes an increase of the outlet air temperature.

For your safety, it is prohibited:

- To install a vertical device horizontally and to install a horizontal device vertically.
- To use the mobile device configuration on foot or wheels, it must always be attached to the wall.

Installation recommended in the context of using automatic open window detection and occupancy detection.



Example of installation layout diagram

(1) = The ideal recommended location

(2) = Alternative location

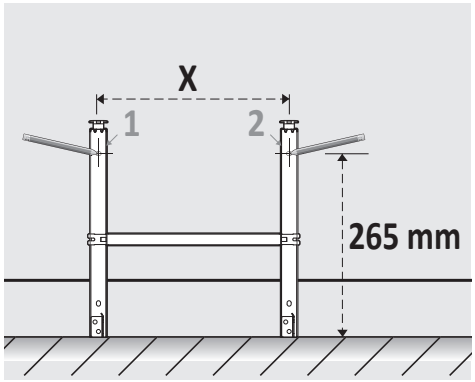
CONNECTING, WALL-MOUNTING PROCEDURE

Fix the bracket in respecting the dimensions specified in the table.
The fastening bracket serves as a drilling template.

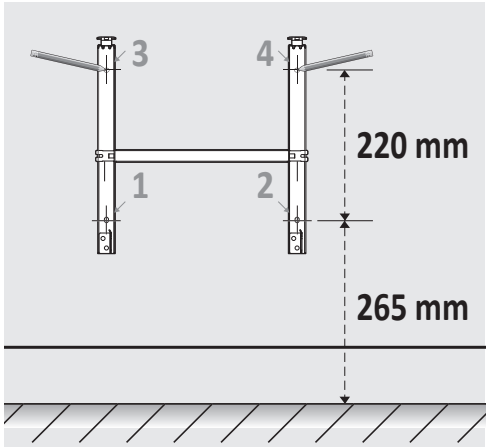
• Positioning of wall brackets and tracing

References	Power outputs (W)	X = Width fixing holes in (mm)
RH0502(AN)A	500	238
RH0752(AN)A	750	238
RH1002(AN)A	1000	370
RH1252(AN)A	1250	370
RH1502(AN)A	1500	370
RH1752(AN)A	1750	665
RH2002(AN)A	2000	665

Stage 1
Position the bracket against the wall. Ensure that the bottom of the template touches the floor or the top of the skirting board, in order that fitting height can be adjusted. Mark with a pencil the hole location 1 and 2.

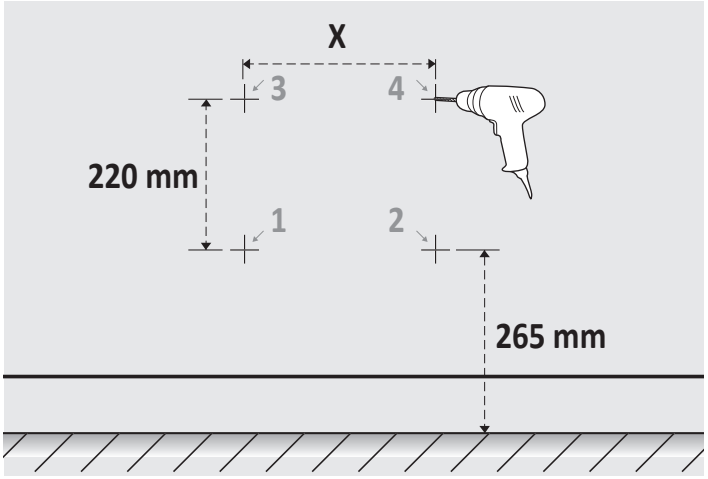


Stage 2
Position the bracket so that the holes on the lower part of the bracket corresponding to the location marks 1 and 2. Mark with a pencil the hole location 3 and 4.

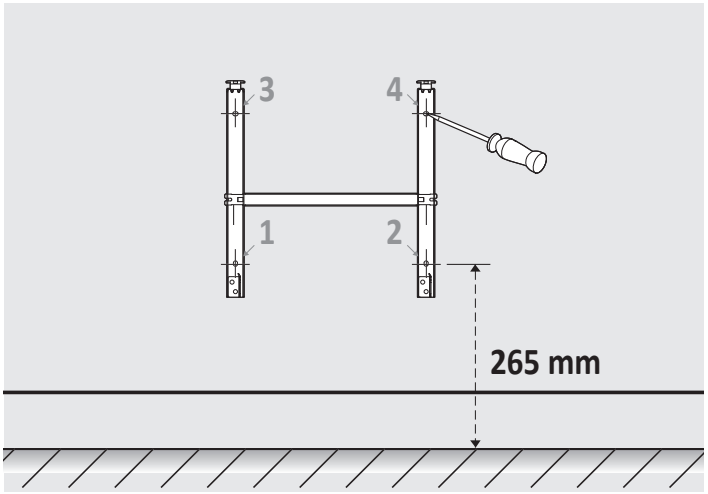


• Installation of the bracket

Stage 3
Remove the bracket then drill the holes 1, 2, 3 and 4.



Stage 4
Position the bracket then screw the bracket into the wall (screws and screw anchor not supplied: screw Ø 5 mm max).
IMPORTANT: use a screw anchor which is suitable in relation to the wall type.



• Connecting the device

All electrical installation work should be carried out by a suitably qualified Electrician or other competent person.

- The power supply of the device must have a means of disconnection main supply capable of disconnecting all poles, having a contact separation of at least 3 mm in accordance with local regulations and installation rules, a protection by a 30 mA differential switch and a protection device against overloads adapted to the characteristics of the connecting line.
- Before you first use the equipment, check that the voltage used does indeed match that listed on the device.

- This radiant panel heater is a class II device (meaning that it has double electrical insulation). Connection to earth is prohibited.
- **The three wires** must be connected in an electrical connection fuse spur box which complies with applicable standards.
- In accordance with european standards, **the use of a plug to connect the equipment to a power socket is forbidden.**

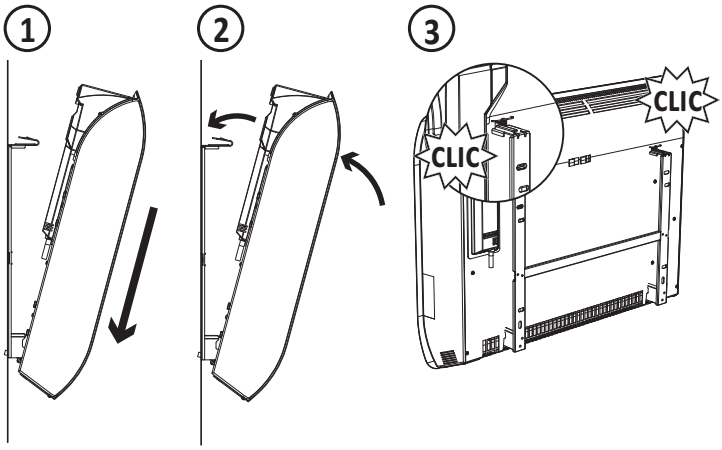
ELECTRICAL CONNECTIONS

Monophase power supply 230V +/-10% 50Hz

⚠ **You must keep the pilot wire insulated if it is not used. Do not connect the pilot wire (black wire) to the earth.**

- Blue-grey wire: Neutral
- Brown wire: Phase
- Black wire: Pilot wire (DO NOT CONNECT) ONLY TO BE USED WITH AN EXTERNAL CONTROLLER.

- **Setting up the device on the bracket**



OVERVIEW



Thank you for choosing one of our products we are confident that you will get many years of service.

Our range of radiant panel heater with innovative style was designed and developed to bring you the comfort of radiant heating and significant energy savings thanks to the EcoSens® technology: your NEOMITIS radiant panel heater incorporates innovative technologies designed for your comfort and to increase your energy saving, control performance PID (stability), occupancy detection, open window detection, 7 day and daily programme, optimisation feature.

In new build or renovation applications, our radiant panel heater will provide you with comfort and satisfaction!

BENEFITS

Discover the true vocation of connected objects: manage, control your comfort and your energy budget

- **3 powerful communication protocols in one product to ensure perfect interoperability!**
  - **The Zigbee® 3.0 to join a home automation box and guarantee a level of interoperability with other products equipped with the same protocol.**
  - **The Wi-Fi to connect directly to the MYNEOMITIS ecosystem.**
  - **The Bluetooth® for the configuration of the product without being connected to the box, it facilitates and secures the association of the product with the cloud it will join.**
- **Control and remote control** from a smartphone, tablet or PC.
- **Remote control of heating through voice control:** compatible with the voice assistant of Google home and Amazon Alexa.
- **Free web based App, app to download on Apple IOS and Android platforms:**
  - **Up to 1000 products controlled by our free Myneomitis mobile application.**
  - **Supervision and control of the installation in 3 levels:** all connected products of the housing, part of the housing (zone) or the level of the connected product.
  - **Visualization of the operating status, settings and weather.**
  - **Real-time information:** notifications, news feed, alerts.
  - **Remote contingency management** to save money when I'm away and anticipate heating up when I return.
  - **Control:** interact, schedule, adjust at any time.
  - **Optimisation of consumption:** display of consumption in kWh or in £, display of the consumption history on day, week, month, year with possible comparison between 2 periods given, savings wizard and predictive system of consumption, anticipation and optimisation of consumption.
- **Ultra secure system:** Secure cloud design with backup security and localisation of hosted data in EUROPE.

- **A range of powers adapted to the dimension of your housing**: from 500W to 2000W, thus enabling you to optimise your electricity bills in line with your actual needs.
- **Diffuser with a large heat-emitting area:** the radiated heat is spread uniformly throughout the room.
- **Stylish design:**
  - The perfect finish of the radiant panel heater makes it a product with a simple and exclusive design. It will fit nicely in any room, regardless of the style in which you have decorated your house or apartment.
  - ESTYLE is available in 2 colors: white and anthracite grey to fit easily into every room.

- **Help for the visually impaired:** the button ⏻ power on/Heating standby mode is in relief to be easily identifiable to the touch. The device has audible beeps indicating the change from the heating standby mode to active mode.
- **Ergonomic settings:** The digital controls are located at the top of the radiant panel heater and have a black screen with white digits for easy access and viewing. Adjustment is simple, direct and intuitive!

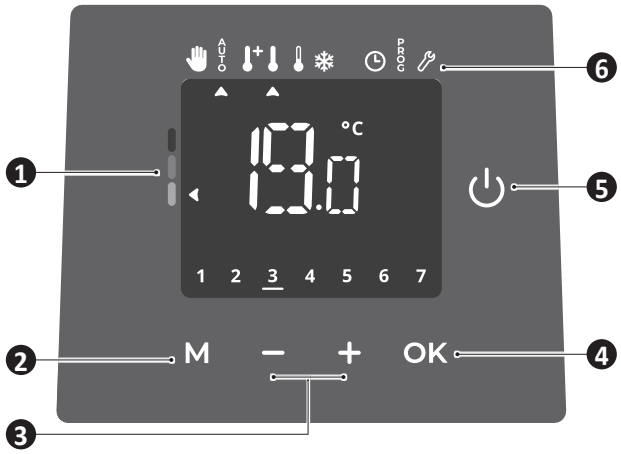
The Pack EcoSens features, assist in Energy Savings !

- **Gauge consumption:** An automatic indication of the level of energy consumption according to the setting temperature.
- **Energy consumption indication:** posting of the estimated amount of energy consumed in kWh since the last reset to 0 of the energy meter.
- **Open window detection:** Automatic switching to frost protection mode when the radiant panel heater detects a significant drop in temperature.
- **Occupancy detection integrated:** During an unoccupied period, the radiant panel heater decreases automatically and progressively the temperature setting.
- **Smart Auto-programmable radiant panel heater:** The radiant panel heater adopts the learning mode as soon as it is put into operation and without any prior adjustment, this enables it to understand and memorise your life patterns: detecting and adapting to periods of absence and presence. The initial learning phase lasts 7 days, but the product will perpetually learn and adapt to changes in your occupancy patterns, adapting week after week to optimise to any changes. The products intelligent algorithm analyzes this information in real-time in order to optimise and adapt the programme for the coming weeks.
  The goal: to make your life easier, to anticipate your comfort needs and to continuously maximum energy savings.
- **Dual optimisation feature, allows you to optimise your programming by favouring comfort or savings:** Dependent on various parameters: inertia of the room, ambient temperature, desired temperature, seasonality, the radiant panel heater will calculate and optimise its programming for the periods of comfort and economy (Eco) depending on your preference:
  - **Whilst in the OPTI ECO mode (priority to economy),** the processors within the radiant panel heater will calculate the best compromise to guarantee maximum energy efficiency throughout the programmed periods of temperature variation (increase/decrease).
    This mode effectively accepts a slight reduction in the temperature levels both at the beginning and the end of the comfort periods, to maximize energy efficiency.
  - **Whilst in the OPTI COMFORT mode (priority to comfort),** the processors within the radiant panel heater will calculate the best compromise to guarantee maximum user comfort throughout the programmed periods of temperature variation (increase / decrease). This mode will look to anticipate and maintain the set comfort temperature during all detected periods of occupancy within the area.
- **7 day programme:** In addition to the auto-programming, you have the option, for each day of the week, of assigning one of the 7 available programmes. (pre-recorded programme available and editable day by day or by group of days, other modifiable programmes are available on the MY**NEOMITIS** application).

- **Special safety for social or private rental housing:**
  - Limits of the adjustment range of the Comfort setting temperature.
  - Administrator/installer PIN code.
- **Boost:** Rises the heat of the room for an adjustable time and in a punctual manner.
- **Programmable holidays mode:** Frost protection for a long-scheduled absence.
- **Automatic changeover summer / winter of the timer when the device is connected to Wi-Fi or Zigbee.**
- **"Smart" electronic controller:** This means stable and accurate temperatures in your room all year round.
- **Setting temperature can be viewed in all operating modes.**
- **Active memory:** Permanent backup of all settings and programming.
- **Overheating protection:** The radiant panel heater are equipped with a system protecting the device against any overheating.
- **No risk of the radiant panel heater falling on the wall:** Secure wall brackets fixing system.
- **Child anti-tamper:** Keypad lock, making changes impossible.

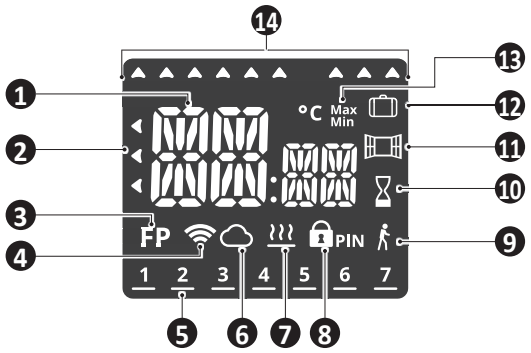
OVERVIEW

A- Indicators:



1. Gauge consumption
2. Operating modes access
3. Buttons -/+ - Increase / Decrease the temperature, hours, days and programs
4. Set and save settings
5. Power on/Heating standby mode
6. Mode description:
   - Manual or pilot wire override
   - Auto mode
   - Comfort+ mode
   - Comfort mode
   - Eco Mode
   - Frost protection mode
   - Setting time and day mode
   - programming mode
   - Setting mode

B- LCD display (presentation of indicators):



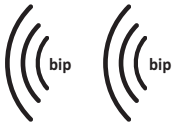
1. Setting temperature/Information
2. Gauge consumption
3. Pilot wire indicator
4. Wi-Fi indicator
5. Days of the week (1 = Monday ... 7= Sunday)
6. MY**NEOMITIS** account login
7. Heating indicator
8. Keypad or PIN code lock
9. Occupancy detection indicator
10. Boost/timing indicator
11. Open window indicator
12. Holidays mode indicator
13. Min/Max value indicator
14. Select operating mode

OPERATING

POWER ON/STANDBY MODE

Power on feature

Press the ⏻ button located on the side of the device to put it in operation in Auto mode.



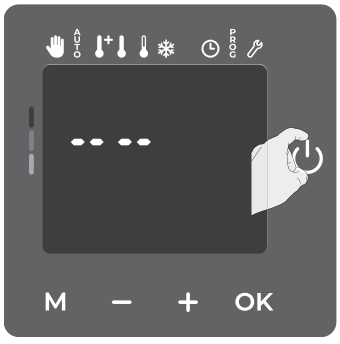


Help for the visually impaired: sound signals
The device makes two short beeps to notify that it is in operation, in Auto mode.

Heating standby mode

This function allows you to stop the heating in summer, for example.
Press the ⏻ button to put the device in Heating standby mode.





Help for the visually impaired: sound signals
The device makes one short beep to notify that it is in Heating standby mode.

WI-FI/ZIGBEE NETWORK CONNECTION

Connect your product directly to the MYNEOMITIS ecosystem via the Wi-Fi network of your internet provider box or to a Zigbee 3.0 collaborative home automation box!

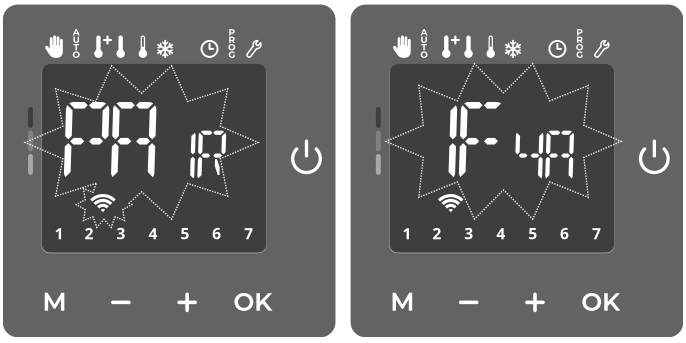
• Connecting to the Wi-Fi network

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

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

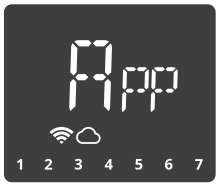


PA IR (Pairing) and Wi-Fi blink alternately with the ID number.



2- Your device is in connection mode. Please refer to the instructions on your application MY**NEOMITIS** and follow the instructions until the complete connection of the device.

Note: During your pairing procedure, the following 3 screens will appear on the radiant panel heater. You have nothing to do on the product.

1	2	3
Identification code to select your product in the MY**NEOMITIS** application	Security code to confirm the connection to the product in the MY**NEOMITIS** application	Wi-Fi pairing in progress via the MY**NEOMITIS** application
		

Once the product is connected, press OK to exit the connection mode. The device automatically returns to the main display.



• Connection to the Zigbee network

If you have a home automation box using a Zigbee 3.0 network, to associate the device with this network, proceed in the following order:

1- From the Auto, Comfort, Comfort+, Eco or Frost protection mode, press + for 5 seconds, PAIR (Pairing) and the network symbol blink.





2- Your device is in connection mode. Please refer to the instructions on your application or in the manual of your Zigbee ecosystem and follow the instructions until the complete connection of the device.

Once the product is connected, OK appears on the display with the network symbol.



3- Press OK to exit the connection mode. The device automatically returns to the main display.



Note: Some Zigbee ecosystems will require you to scan the Zigbee QR code to connect the product.
The QR code is located on the right side of the radiant panel heater.
Refer to the instructions on the app or in the instruction manual of your ecosystem Zigbee and follow the instructions until the complete connection of the device.

Zigbee technology

Advice on using and adjusting your device:

If you have connected your product, we invite you to join the MYNEOMITIS ecosystem to control your radiant panel heater via your smartphone, tablet or PC to have a much larger display.
If this is not the case, you can of course proceed directly on the product.

SELECTION OF AN OPERATING MODE

The M button allows you to select an operating mode that is adapted to your needs according to the seasons and periods of occupancy.
Press several times the M button to select the desired mode.



Mode sequence:

Auto	Comfort+	Comfort	Eco	Frost protection

Mode description	Display
• **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 radiant panel heater has been programmed and is executing Comfort and Eco mode orders in line with the settings and time periods you have selected (see "Programming" chapter page 13).

2 Programming by pilot wire (not normally used in the UK)
If you do not want to use the programming feature.
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 16).

• **Comfort+ mode** Non-stop Comfort+ mode. The radiant panel heater runs 24 hours a day at the set temperature (default 21°C). This enables you to increase or decrease the temperature without changing the Comfort mode temperature. Select this mode for short-term periods. The Comfort+ mode temperature level can be set by the user (see the Adjustment of setting temperatures in chapter on page page 10).	

• **Comfort mode** Non-stop Comfort mode. The radiant panel heater 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 10).	

Mode description	Display
• **Eco mode** Eco mode, 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** 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).	
• **Boost mode** To activate Boost mode, press 3 seconds on M. In Boost mode, the setting temperature is up to the Comfort + 2°C (for example if the Comfort temperature is set to 19°C, the boost will temporarily increase it to 21°C).	
Boost duration The Boost is active for a preset time of 60 min. During the first minute, you can modify the Boost duration from 5 to 90 min, by intervals of 5 min by pressing − and +. This modification will be saved and effective for the next Boost. After 1 min, the Boost count begins and the time is running, minute by minute. After 1 min, you can modify temporarily the duration: it will be valid only for this active Boost and therefore non-recurring.	

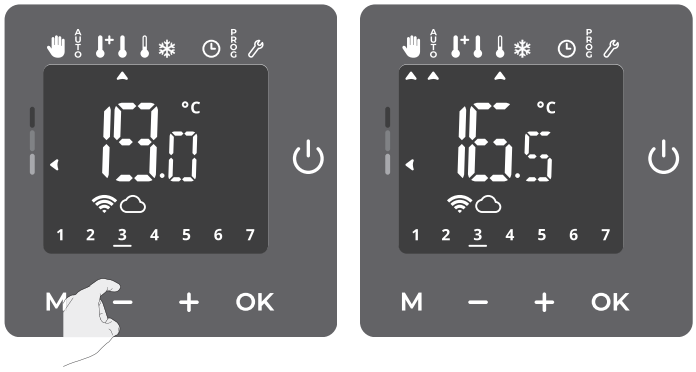
Stop the Boost

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

Safety - Automatic stop: If the room temperature reaches the Comfort temperature + 2°C (in our example 21°C) during the countdown, then the Boost stops. The device does not heating anymore but the Boost is still on, the countdown, the symbol ⌛ is still on the display. When the temperature drops below the Comfort temperature + 2°C (in our example 20°C); the Boost will be reactivated until the end of the countdown.

TEMPORARY MANUAL OVERRIDE OF THE CURRENT OPERATING MODE

This feature allows you to temporarily modify the setting temperature until the next programmed temperature change (via integrated programming) or when the clock reaches 00:00. A cursor will appear under the ✋ symbol. The temperature override is only available in Auto mode.



You can cancel this override at any time by selecting the desired operating mode by pressing M.

GAUGE CONSUMPTION, ENERGY SAVINGS

The Energy Saving Trust (EST) and carbon trust recommend reducing temperature control down by 1°C to save up to 10% of your energy bill.
In the radiant panel heater's display, a selector indicates the energy consumption level by positioning it in front of the colour: red, orange or green. So, depending on the set 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 regardless of the level of temperature.

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

ADJUSTMENT OF SETTING TEMPERATURES

1- From the main display, press M to select the setting temperature to be modified: Comfort, Comfort+, Eco or Frost protection. The arrow corresponding to the mode flashes and then becomes fixed to indicate that the mode is selected.



2- Once the mode is selected, adjust the desired setting temperature with — or +.
The modified value is saved automatically.



3- Once the temperature setting is set, you can either remain in the selected mode or choose another mode by pressing M.

Comfort+ temperature		
Preset at 21°C	Adjustable from comfort +1°C to 30°C by intervals of 0.5°C and according to the Comfort setting temperature.	
Comfort temperature		
Preset at 19°C	Adjustable from 7°C to 30°C by intervals of 0.5°C. This temperature range can be limited, see page 19 for details.	
Eco temperature		
Preset at 15.5° C (equivalent to Comfort -3.5° C)	Adjustable from 5°C to 19°C by intervals of 0.5°C and according to the Comfort setting temperature (from Comfort -8°C to Comfort -1°C). For example, if the Comfort temperature is set to 20°C, the eco temperature is adjustable from 12°C to 19°C. **Important: The Eco setting temperature will never exceed 19°C.**	
Frost protection temperature		
Preset at 7°C	Adjustable from 5°C to 12°C by intervals of 0.5°C.	

CONSUMPTION INDICATION ACCUMULATED IN KWH, ENERGY SAVINGS

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

• Visualisation

1- From the Auto, Comfort, Comfort+, Eco or Frost protection mode, press OK.



2- View the device's energy consumption in kWh since the first power up or the counter reset.





3- Press M or OK to exit and return to the main display.

• Resetting the energy meter

1- To reset the counter mode, press — and + for 5 seconds.



5 sec.

2- Press M or OK to exit and return to the main display.

CHILD ANTI-TAMPER, KEYPAD LOCK/ UNLOCK

• Keypad lock

From the Auto, Comfort, Comfort+, Eco, Frost protection, or override mode, to lock the keypad, press simultaneously and hold — and + for **5 seconds**.

LOCK and the padlock symbol appear on the display, the keypad is locked.



• Keypad unlock

To unlock the keypad, press simultaneously and hold — and + for **5 seconds**.

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

Important: when thekeypad is locked, only the key ⏻ is active.
If the device is on heating standby mode when thekeypad is locked, you have to unlock it for the next heating on to access the setup.

DAY AND TIME SETTINGS

If your device is connected to the Internet, the current time and day are automatically saved once the connection is established.

If your device is not connected, set the time and day manually in the following order:

1- To access the time and day settings, press M several times until the cursor is under 🕒. The time is displayed on the display.
Press OK to enter the setting.



2- The hour is flashing, set by pressing — or +.
Confirm by pressing OK.



3- The minutes are flashing, set by pressing — or +.
Confirm by pressing OK.



4- The dash below the number flashes, set the current day by pressing — or +.

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



5- Confirm by pressing OK, the current time and day are saved.

7 DAY AND DAILY PROGRAMME INTEGRATED, ENERGY SAVINGS

IMPORTANT - DUAL OPTIMISATION FEATURE

PLEASE READ BEFORE PROGRAMMING YOUR THERMOSTAT

The device offers a choice of two optimisation modes: **Opti Comfort and Opti Eco.**

Based on various parameters, such as the ambient temperature, setpoint temperature, room thermal inertia and installation characteristics, its control system automatically calculates the optimum heating start and stop times in order to optimise the programmed Comfort and Eco periods

The default setting is Opti Comfort mode.

To switch to Opti Eco mode or disable the function, see page 20, Dual optimisation function.

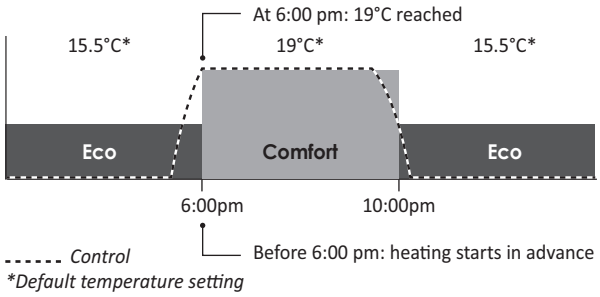
Mode	Operation	Result
Opti Comfort	The control system anticipates heating start-up so that the setpoint temperature is reached from the very start of the programmed period.	The required temperature is reached from the start of the programmed Comfort period.
Opti Eco (Delayed start)	The control system optimises the increase and decrease phases in order to prioritise energy savings.	A slight drop in ambient temperature may be observed at the beginning and end of the programmed Comfort period.

Important: in Opti Comfort mode, the start time of the programmed Comfort period corresponds to the time at which the required temperature must be reached. Heating therefore starts before the beginning of this period, so you do not need to anticipate it yourself.

Refer to OPTI COMFORT and OPTI ECO examples on the next page.

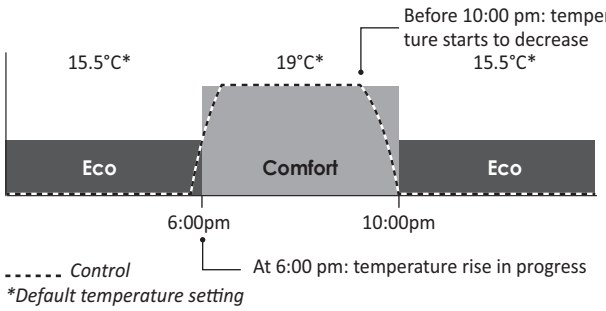
Example in OPTI COMFORT mode:

If a 19°C Comfort setpoint is programmed for 6:00 pm, the heat-up phase will begin well before 6:00 pm so that 19°C is reached from the start of the Comfort period.



Example in OPTI ECO mode (Delayed start):

If the 'Comfort' setting of 19°C is programmed from 6.00 pm to 10.00 pm, the temperature is raised later than in 'Opti Comfort' mode; similarly, the switch to 'Eco' mode takes place slightly before 10.00 pm in order to prioritise energy savings.



SMART ECOSENS AUTOMATIC PROGRAMMING WITH SELF-LEARNING PROCESS

• Overview

Auto-programming (Auto): After an initial learning period of one week, the radiant panel heater will analyse 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 optimise the heating programme to any changes in your evolving occupancy patterns. Motion detection technology is used for presence detection.

• Operating

Upon the first activation of your radiant panel heater, the mode "auto-programme" is activated by default, in mode Auto. To deactivate and change the programme, see program choice and allocation page 14.
The first week of operation is a learning week during which the radiant panel heater memorises your habits and creates 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 radiant panel heater will provisionally function in permanent "Comfort" mode.



Example of display in Comfort period



Example of display in Eco period

Important: To ensure the auto-programming is optimised, please ensure the presence detection sensor is not interrupted by an external source, see important information concerning the presence detection system on page 15. Motion detection technology is used for presence detection.

• 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 optimise the intelligent program "Auto", adjusting the Comfort and Eco periods to fit closely with your lifestyle.

When the product is in Frost protection mode or in standby mode, learning and optimisation 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 stand-by mode. When you select the Auto mode, the learning week will start automatically. The device will be in permanent comfort and will memorise 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 radiant panel heater will automatically apply the previously stored intelligent program 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 program which results from the Self-learning algorythm.

7 DAY AND DAILY PROGRAMME

The product is delivered by default in the Auto-programming mode described in the previous paragraph. If you are happy with this program, you do not need to do anything else, the radiant panel heater, after its learning phase, will program itself according to your life rhythm.

If this is not convenient for you, you have the possibility to program your radiant panel heater by assigning a personal program for one or more days of the week.

• Customised programming

To access the personalised programming, press **M** several times until the cursor is under PROG.

PROG appears on the display and then the recorded programme is scrolled (see programme overview on page 15).

Press **OK** to enter the programming mode.

You can exit the programming mode at any time by pressing **M** several times, the values are automatically saved.

Without any action on the keys, the radiant panel heater returns to the previously active mode.



1- Selection of day(s)

SELF (Self-learning) corresponding to the auto-programming appears on the display.
Press **−** or **+** to select the day or group of days you wish to program.
You have the possibility to assign a different schedule day by day or the same schedule for a group of days.



Correspondence of days and groups of days to be programmed

Mon	Monday	SAt	Saturday
tUE	Tuesday	Sun	Sunday
Wed	Wednesday	ALL	Every days of the week
thu	Thursday	MoFr	From Monday to Friday
Fri	Friday	SASu	From Saturday to Sunday

The selection of days is represented by a line under the corresponding numbers (see examples below).

Note: On non-programmed days, the radiant panel heater will operate in non-stop Comfort.

Press **OK** to confirm and go to the next step.

Example of a display for a selected day



The schedule will be set on the first day of the week: in our example, Monday. The 1st number is underlined.

Example of a display for a selected group of days



The programme will be established for several days: from Monday to Friday. The first 5 numbers are underlined.

2- Choice and allocation of periods and programmes.

You have the possibility to assign:

- 1, 2 or 3 Comfort periods:
  The device will operate in Comfort mode during the defined time periods. Outside these periods, your appliance will operate in Eco mode.
  OR
- A non-stop operating mode:
  Comfort, Eco or Frost protection, the device will operate in Comfort, Eco or Frost protection mode for the 24 hours of the day or group of days selected.



1P Er	1 Comfort period per day
2P Er	2 Comfort periods per day
3P Er	3 Comfort periods per day
CFt	Non-stop comfort
Eco	Non-stop Eco
FSt P	Non-stop frost protection

Note: You can set the Comfort, Eco or Frost protection setpoint temperature, see adjustment of temperature settings on page 10.

Press − or + to select the desired programme.

Press **OK** to confirm.

If you have selected CFt, Eco or FSt P, the radiant panel heater will apply this programme for the day or group of days selected in step 1 and move to the next day or group of days.

If you have chosen to program all days of the week (ALL), the radiant panel heater will return to the programming menu home display.

If you have selected 1P Er, 2P Er or 3P Er, press **OK** to confirm and go to the next step.

3- Customisation of the Comfort periods.

The display shows the first Comfort period to be setted.

Example with the display opposite, setting the first of two period.



After a few seconds, the start time of the first period is displayed (06:00 by default).

Press − or + to change the time by intervals of 30 min.

Press **OK** to confirm and access the end time of the period.



The end time of the first period is displayed: by default, the proposed time is the start time plus 2 hours.

Press − or + to change the time by intervals of 30 min.

Press **OK** to confirm and go to the next period setting if you have selected 2P Er or 3P Er and repeat the operation.

Once all the Comfort periods have been set, this program will be used for the day or group of days selected in step 1 and will move to the next day or group of days.



If you have chosen to program all days of the week (ALL), the device will return to the programming home display.

Once the day or days have been programmed, you can exit the programming menu by pressing **M**.

• Visualisation of the assigned programmes

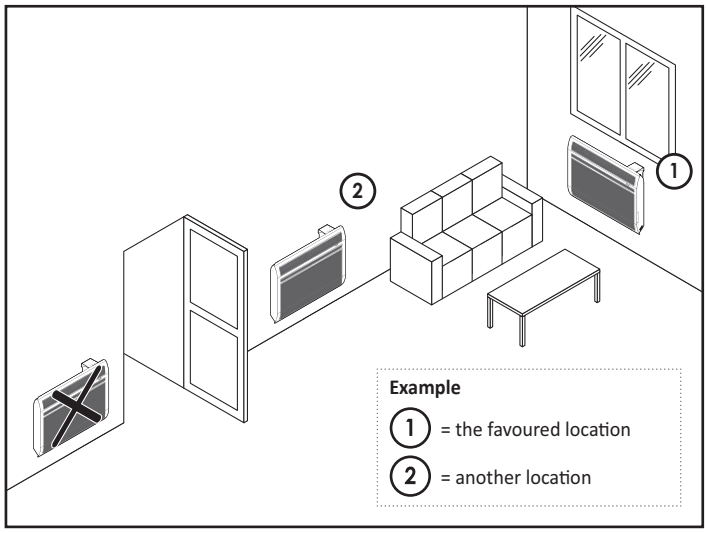
From the home display of the programming menu, wait a few seconds and the program for each day will scroll on the display. After 2 loops, the product will return to the previously active mode.



WINDOW OPEN/CLOSE DETECTION, ENERGY SAVINGS

• Important information about the open window detection:

Important: the open window detection is sensitive to temperature variations. The device will react to the window openings in accordance with different parameters: temperature setting, rise and fall of temperature in the room, the outside temperature, the location of the device...
If the device is located close to a front door, the detection may be disturbed by the air caused by opening door.
If this is a problem, we recommend that you disable the automatic mode opened window detection (see page 19).
You can, however, use the manual activation (see above).



• Overview

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

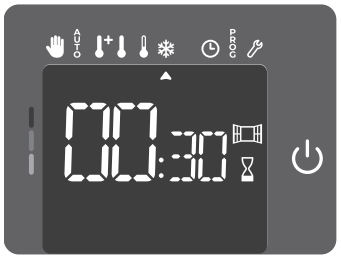
• Automatic activation (activated by default):

To disable this mode**, (**accessible in the advanced settings**):** See page 19**.**
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:

From the Auto, Comfort, Comfort+, Eco, or Frost protection mode, press **—** for **5 seconds**.
The device will switch on Frost protection mode.



- Aeration cycle time

The frost protection mode is active for an adjustable time of 30 min. The countdown of the aeration cycle begins and the time elapses, minute by minute.
You can temporarily change the duration of the aeration cycle from 5 to 90 min by intervals of 5 min by pressing **—** or **+**. This modification will only be valid for this active, and therefore non-recurring, aeration cycle (see page 20 for permanent modification of the aeration cycle time).

- Stopping the aeration cycle

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

When the aeration cycle is stopped, the device automatically returns to the original operating mode (active mode before the aeration cycle is activated).
Note: In automatic activation, if a sufficient rise in temperature is perceived (window close detection), the device can return to the original mode (active mode before the opened window detection).

ECOSENS® TECHNOLOGY: OCCUPANCY/ABSENCE DETECTION, ENERGY SAVINGS

• Important information about the occupancy detection

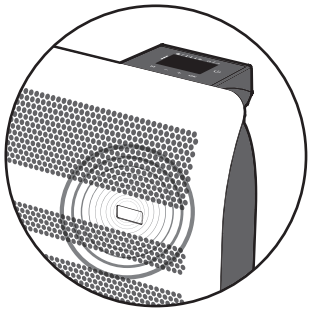
The occupancy detector is sensitive to temperature variations and light. It is likely to be disturbed by the following items:
- Hot or cold sources such as forced air vents, lights, air conditioners
- Reflective surfaces such as mirrors
- Animal crossing in the detection zone
- Objects moving with the wind like curtains and plants.

Disable the occupancy detection if your radiant panel heater was installed near of these.
To disable the occupancy detection, see page 19.

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

• Overview

ESTYLE fits your lifestyle while keeping your power consumption under control.
With its front infrared sensor, Estyle optimises 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 ...).



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

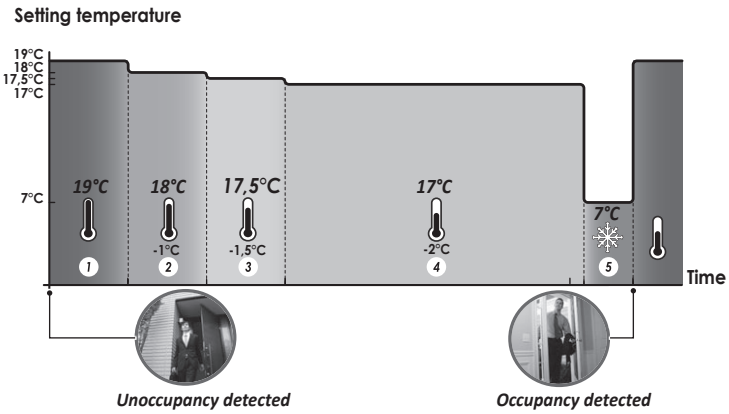
** Unchangeable factory settings*

Note: When presence is detected in the room, the device automatically returns to the initial operating mode. Motion detection technology is used for presence detection.

Remarks: by default, when the sensor is enabled and detects movement in the room, the display lights up for a few seconds and then turns off. To delete the backlight when occupancy is detected, see page 17, user settings - Backlight settings.

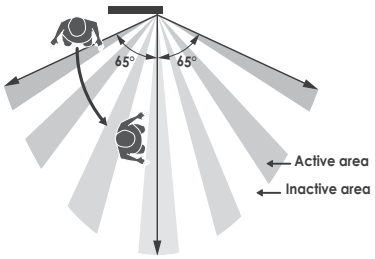
• Operating

Example of reduction with a Comfort setpoint temperature of 19°C.



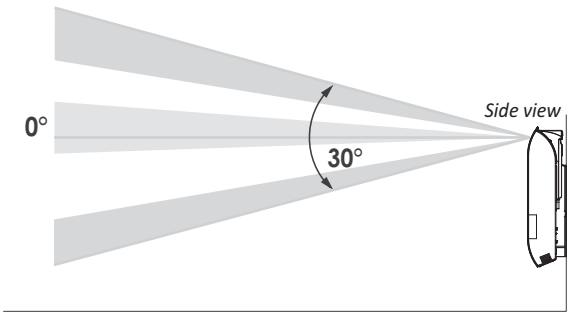
• Divisions of the detection zone

Top view



Detection zone, for an ambient 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 (IF CONNECTED)

• Overview

Your heating 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 maximising savings (see information on priorities for different modes page 16).

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

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

Examples with a Comfort setpoint temperature of 19°C



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**
7°C



Pilot wire = **Stop (Heating standby mode)**

INFORMATION ABOUT PRIORITIES BETWEEN THE DIFFERENT MODES

• Principle

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

In Auto mode, the radiant panel heater can receive different orders coming from:
- 7 day and daily programme integrated (Comfort or Eco orders) ;
- Pilot wire 6 orders, if connected to a central control unit ;
- Opened window detector ;
- Occupancy detector.

In general, it is the lowest received order which prevails.
If an open window detection or 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 optimisation 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 min).

- **Examples**

7 day and daily programming = Comfort
+ Pilot wire 6 orders = Eco

= **Eco**



+ 7 day and daily programming = Comfort
+ Pilot wire 6 orders = Eco
Occupancy detector = Frost protection

= **Frost protection**



7 day and daily programming = Eco
+ Pilot wire 6 orders = Stop (heating standby mode)
+ Occupancy detector = Eco
+ Open window detector = Frost protection

= **Heating standby mode**



USER SETTINGS

- **Access**

Press several times on M until the cursor is under USER (User settings) appears on the display. Press OK to access the settings users.

Note: If you do not press OK, the change of a setting is not taken into account.

To manually exit a current setting, press M. Otherwise, after a few minutes and without pressing any buttons, the device automatically exits the current setting.



Schematic sequence of settings:
Selecting the operating language → Adjusting the backlight → Holidays mode → Disconnecting → Returning to factory settings

LANGUAGE SELECTION

1- Select the desired language with — or + .
FRA: French
ENG: English

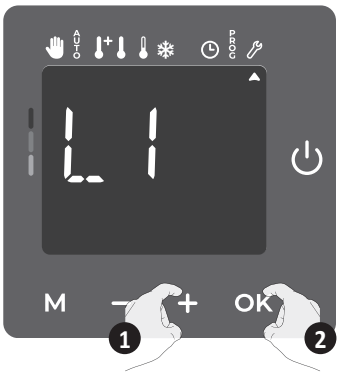


2- To confirm and move to the next setting, press OK. To exit user settings, press M for 3 seconds.

BACKLIGHT SETTING

Three back-light settings can be set:
The default setting is **L2**.

L1 = Reduced display with low brightness and backlighting when a button is pressed or during occupancy detection.
L2 = Reduced display with low brightness and backlighting when a button is pressed.
L3 = Reduced display with black screen and backlighting when a button is pressed.



1- Press — or + to select the desired backlight.

2- To confirm and move to the next setting, press OK. To exit user settings, press M for 3 seconds.

HOLIDAYS MODE

You can program an absence period during which your installation will be protected from frost. At the end of this period, the device will return to Auto mode. This guarantees you maximum savings during your holidays and an optimal level of comfort when you return.

OFF appears on the display, press — or + to select ON or OFF.

ON = Holidays mode enabled
OFF = Holidays mode disabled

Press OK to go to the next step.



If you selected ON in the previous step, d (days) and the number of days during which the holidays mode will be applied (01 = 1 day by default) appear on the display.

Press — or + to select the number of days.

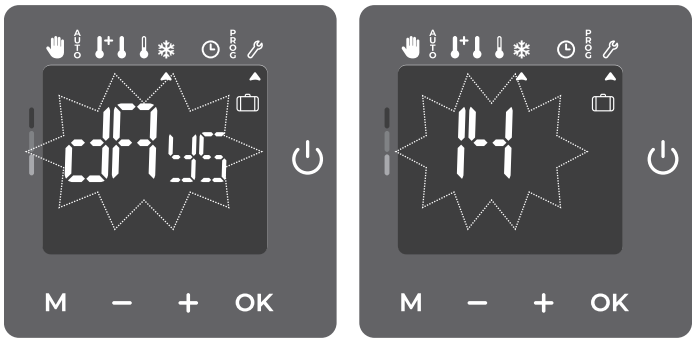
Note: You can set up to 99 days. After that, it is advisable to select the frost protection mode (see Selection of an operating mode on page 9).



Tip: It is advisable to set a return date on a day prior to the actual date. In this way, you will find the right temperature when you return. Example: if you return from vacation on February 20, schedule a return to February 19 and have the right temperature on your return!

To confirm and move to the next setting, press OK. To exit user settings, press M for 3 seconds.

dAYS the number of days remaining will flash.



Manual stop

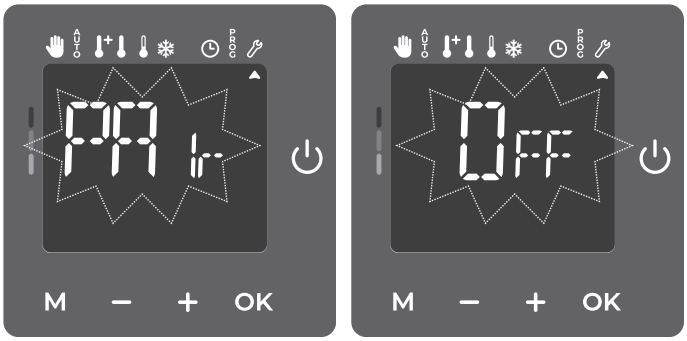
At anytime, you can stop the Holidays mode by pressing M or OK. The device returns to the previous mode (active mode before switching on the Holiday Mode).

DISCONNECTION (IF THE PRODUCT IS CONNECTED TO THE INTERNET)

In case:

- If you want to disconnect the product from the Wi-Fi or Zigbee network without deleting the stored network information behind.
- If you want to use the same phone/tablet the next time you log in, you don't need to go through the login steps again.

PAIR and OFF flash alternately on the display.



If you wish to disconnect your product, press and hold OK for 5 seconds.

Otherwise, press briefly OK to confirm and move on to the next setting.

On the home display, the and symbols will have disappeared: the device is disconnected from the network.

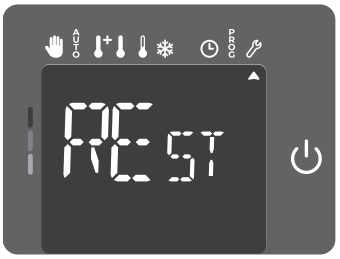
If you want to connect your product again, see "Wi-Fi / Zigbee network connection" on page 8.



RESET USER SETTINGS

To reset the user settings, proceed in the following order:

1- RESET appears briefly on the display.



2- Press — or + to select Yes or No.

YES = Reset user settings.

NO = User settings not reset.



3- Select YES and press 5 seconds on OK.



5 sec.

The following factory values will be effective:

Settings	Factory settings
Comfort setting temperature	19°C
Comfort+ setting temperature	21°C
Eco setting temperature	15,5°C
Frost protection setting temperature	7°C
Active operating mode	Auto
Active programme	Appr (automatic programming)
Backlighting	L2

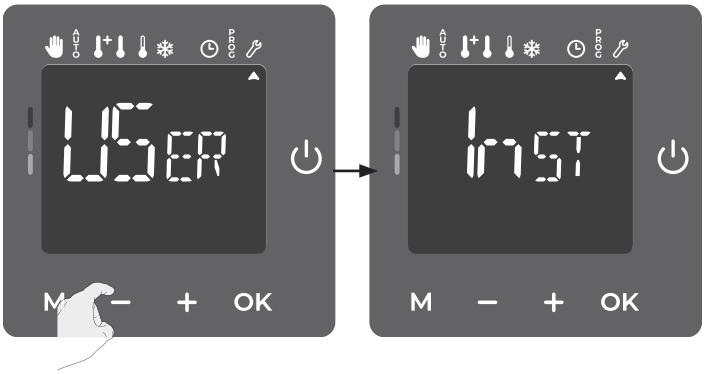
The radiant panel heater returns to its original configuration and automatically returns to the user settings home display. To exit user settings, press M for 3 seconds.



ADVANCED SETTINGS
(RESERVED TO THE INSTALLER)

- **Access**

1- Press several times on M until the cursor is under . USER (User settings) appears on the display. Press — or + until INST (Installer) appears on the display.



2- Press OK for 5 seconds to access the advanced settings.

Note: If you do not press OK, the change of a setting is not taken into account.

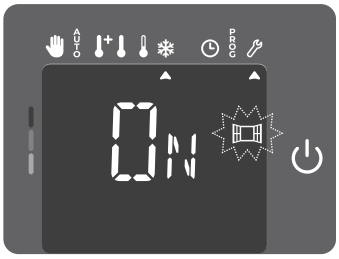
To manually exit a current setting, press M. Otherwise, after a few minutes and without pressing any buttons, the device automatically exits the current setting.



Schematic sequence of settings:
Setting of detection modes → Comfort limitation temperature → Aeration cycle time → Optimisation → PIN code → Airplane mode → Returning to factory settings

OPEN WINDOW DETECTION: ACTIVATION/DEACTIVATION OF THE AUTOMATIC MODE

The automatic window opening detection mode is enabled by default.



1- Press — or +.
ON = automatic mode enabled.
OFF = automatic mode disabled.

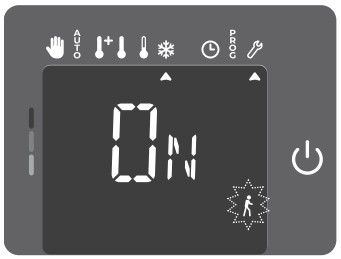


2- To confirm and move to the next setting, press OK. To exit Expert settings, press M for 3 seconds.

Note: Even if the automatic mode is deactivated, you can still use the manual mode (see page 15 chapter Manual activation).

OCCUPANCY DETECTION: ACTIVATION/ DEACTIVATION

Occupancy detection is enabled by default.



1- Press — or +.
ON = Occupancy detection enabled.
OFF = Occupancy detection disabled.



2- To confirm and move to the next setting, press OK. To exit Expert settings, press M for 3 seconds.

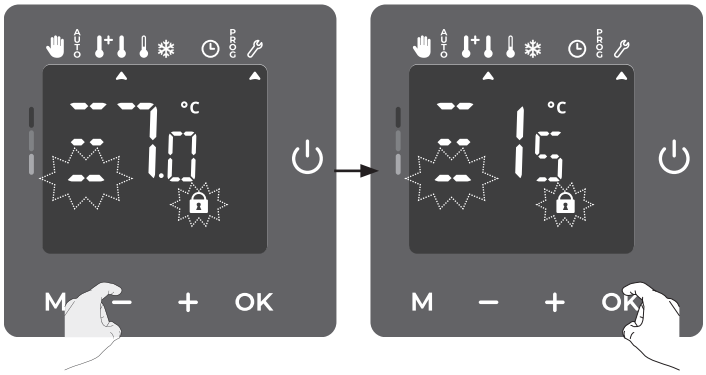
COMFORT SETTING TEMPERATURE LIMITATION

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

• Low temperature limitation

A minimum stop is set to prevent the temperature from falling below the set point.
The minimum stop is preset at 7°C. You can vary it from 7°C to 15°C by intervals of 1°C.

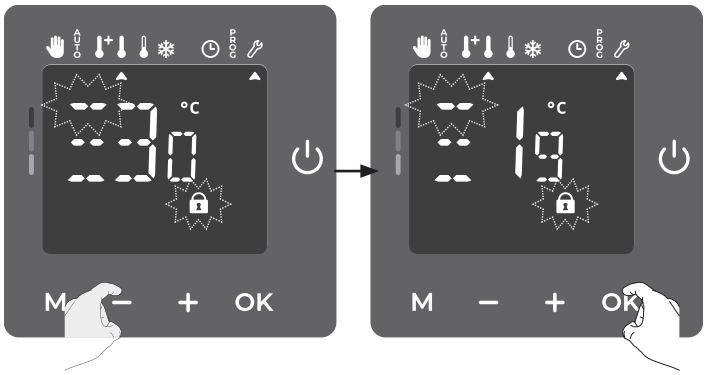
To change the minimum stop, press — or + and confirm by pressing OK.
If you do not wish to change it, short press OK, and the radiant panel heater will automatically suggest the maximum stop setting. To exit the advanced settings, press M for 3 seconds.



• High temperature limitation

A maximum limit stop is installed to prevent the set temperature from being increased above it.
The maximum limit is preset at 30°C. You can vary it from 19°C to 30°C by intervals of 1°C.

To change the maximum stop, press — or + and confirm by pressing OK.
If you do not wish to change it, press OK, and the radiant panel heater will automatically go to the next setting. To exit the advanced settings, press M for 3 seconds.



To exit Expert settings, press M for 3 seconds.

AERATION CYCLE TIME

You can change the duration of the aeration cycle (frost protection mode) applied when the window opening is manually enabled (see page 15).
The duration of the aeration cycle is preset to 30 min. You can change it from 5 to 90 min by intervals of 5 min.

1- Press — or + to set the desired value.



2- To confirm and move to the next setting, press OK. To exit Expert settings, press M for 3 seconds.

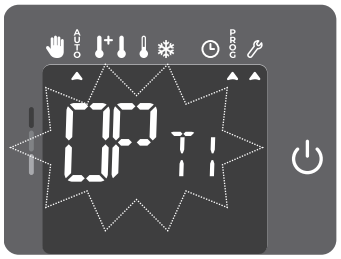


DUAL OPTIMISATION FEATURE

• Optimisation choice

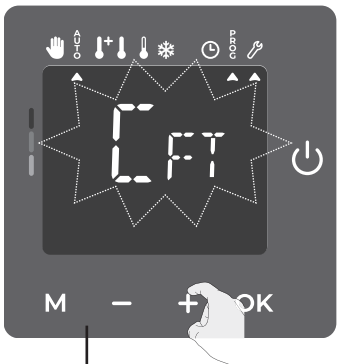
The **OPTI COMFORT** mode is enabled by default

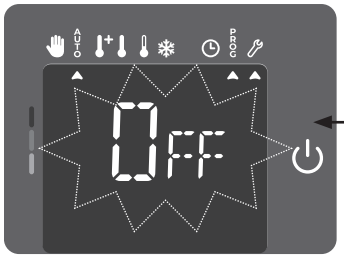
1- The inscription OPTI appears briefly on the display.

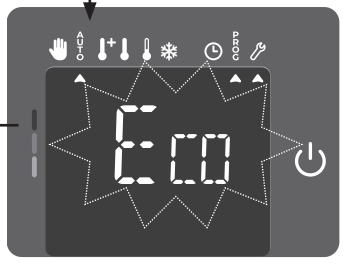


2- Press — or + to select the desired mode.

- CFT = **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**







3- To confirm and move to the next setting, press OK. To exit Expert settings, press M for 3 seconds.

PIN CODE LOCK

- Overview

Your heating appliance can be protected by a PIN code with two levels of protection: PIN code 1 or PIN code 2. The PIN code (Personal Identity Number) is a four-digit code that can be customised and, when activated, prevents access to certain settings:

- When PIN code 1 is activated, the following accesses are locked:
- Selection of Comfort and Comfort+ modes: Access to Comfort and Comfort+ modes is prohibited; only Auto, Eco and Frost protection modes are accessible.
- Modification of the minimum and maximum limits of the Comfort setpoint range (it is therefore not possible to modify the Comfort temperature outside the authorised setting range).
- Modification of the programming.
- Advanced and expert settings, including, for example:
  - Choice of optimisation mode.
  - Setting presence/absence detection.
  - Setting window opening detection.
  - Setting the Eco reduction level.
  - Setting the Frost protection setpoint temperature.
  - Calibrating the room temperature sensor.

The heating standby function remains accessible.

- When PIN code 2 is active, all the settings for PIN code 1 listed above are locked, with the addition of:
- Selection of operating modes (the mode selected before PIN code 2 was set remains active).

The heating standby function remains accessible.

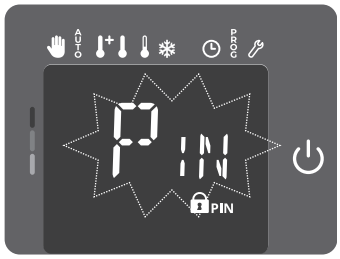
When using the 'PIN code lock' protection for the first time, there are three important steps to follow:

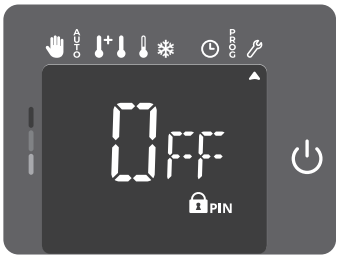
1- Choose the settings lock level: PIN code 1 or PIN code 2. Then initialise the PIN code by entering the default PIN code (0000) to access the function.
2- Activate the PIN code to lock the settings that will be protected by the PIN code.
3- Customise the PIN code by replacing (0000) with a personalised four-digit code and lock the settings that will be protected by the PIN code.

By default, the PIN code is not enabled.
The letters P:N appear briefly on the screen, then OFF is displayed.

By default, the PIN code is not enabled.

The inscription PIN appears briefly on the display and then OFF is displayed.





• Choice of the lock level

1- Press on — or + to select the type of PIN: PIN1 or PIN2. Press OK to confirm.



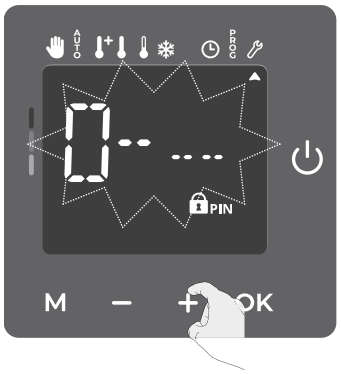


2- The selected PIN code appears on the screen.



• PIN code initialisation

1- Press — or + to enter the PIN code.
By default registered PIN code is 0000. Press — or + to select 0. Press OK to confirm.



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

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



• Customising and activation of the PIN Code

1- ON appears on the display.
Press OK for 5 seconds.



5 sec.

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 remaining 3 numbers.



3- ON appears again on the display. Press OK to activate the PIN code you have just personalized and go to the next setting.
The PIN code is enabled. Any modification of reserved settings listed in "Overview" is now impossible.

To access the locked settings, it will be necessary to deactivate the PIN code.

To exit Expert settings, press M for 3 seconds.



- **Deactivation of the PIN Code**

1- ON appears on the display.
Select OFF using – or + to disable the PIN .
ON = PIN code enabled.

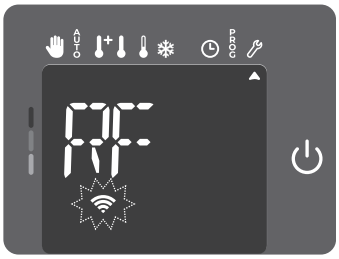


2- To confirm and move to the next setting, press OK. To exit Expert settings, press M for 3 seconds.

CONNECTION DISABLE (AIRPLANE MODE)

To temporarily turn off the product's Wi-Fi / Zigbee network connection, complete the following steps:

1- AF appears on the display.



2- Select YES or NO by pressing – or +.
YES = Keep the connection enabled (airplane mode disabled)
NO = Disable the connection (airplane mode enabled)



3- To confirm and move to the next setting, press OK. To exit Expert settings, press M for 3 seconds.

Note: If airplane mode is on and you wish to reconnect by following the instructions on page 8, the screens below will appear. You will first need to disable airplane mode by repeating the above process.





RESTORING FACTORY SETTINGS

To reset advanced settings, proceed in the following order:

1- RESET appears briefly on the display.



2- Press – or + to select Yes or No.
YES = Reset advanced settings
NO = Expert settings not reset.



3- Select YES and press OK for 5 seconds.

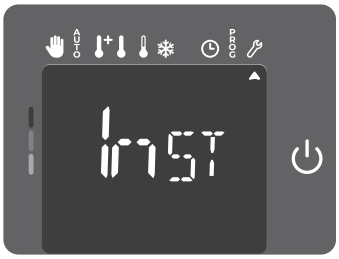


5 sec.

The following factory values will be effective:

Settings	Factory settings
User settings	
Comfort setting temperature	19°C
Comfort+ setting temperature	21°C
Eco setting temperature	15,5°C
Frost protection setting temperature	7°C
Active programme	Auto
Active programme	Appr (automatic programming)
Backlighting	L2
Installer settings	
Automatic open window detection	Enabled
Occupancy detection	Enabled
Minimum setting of Comfort set temperature	7°C
Maximum setting of Comfort set temperature	30°C
Aeration cycle time	30 min
Dual optimisation feature	Comfort
Value of the PIN code	0000
Wi-Fi connection	Enabled

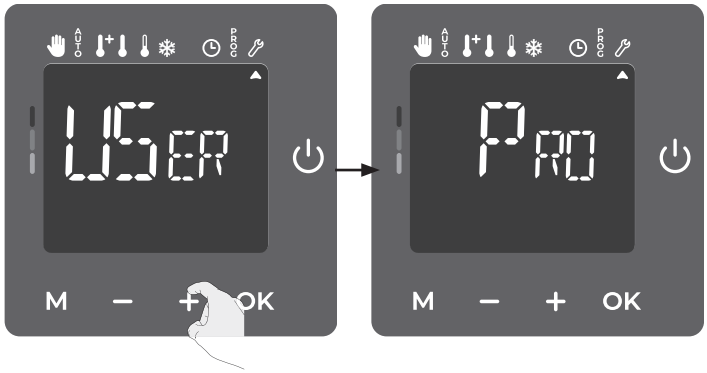
The radiant panel heater returns to its original configuration and automatically returns to the installer settings home display.



EXPERT SETTINGS
(INSTALLER OR ADVANCED USERS)

• Access

1- From the main screen, press several times M until the cursor is under 🔧. USER (User settings) is displayed. Press — or + until PRO (Professional) appears on the display.



2- Press OK for 5 seconds to access the Expert settings.



Schematic sequence of settings:
Adjusting the brightness of the reduced display → Ambient temperature sensor adjustement → Choice of power → Deleting login information → Reset Expert settings

ADJUSTING THE BRIGHTNESS OF THE REDUCED DISPLAY

The brightness of the reduced display is 50% by default LO 50.

1- Press — or + to adjust the brightness of the reduced display between 10% and 100% by intervals of 10%. The change in brightness is visible at each setting.



2- Press OK to confirm and move to the next setting. To exit the Expert settings, press M for 3 seconds.



AMBIENT TEMPERATURE SENSOR ADJUSTMENT

• Overview

Important: This operation is reserved for professional installers only; any wrong changes would result in control anomalies.
In which case if the temperature measured (measured by a reliable thermometer) is different by at least 1°C or 2°C compared to the set temperature of the radiant panel heater.
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:

Set 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 set temperature modification to insure that the ambient temperature is stabilized.

To correct, proceed as follows:

Sensor temperature = 24°C.

(The measured temperature may be different due to the location of the radiant panel heater 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:

Set temperature (what you want) = 19°C.
Ambient temperature (what you read on a reliable thermometer) = 21°C.
Difference measured = +2°C.

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

To correct, proceed as follows:

Sensor temperature = 21°C.

(The measured temperature may be different due to the location of the radiant panel heater 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 confirm and move to the next setting, press OK. To exit Expert settings, press M for 3 seconds.

CHOICE OF POWER

Important: A number is displayed on the screen. This is the power of the device. This setting is reserved for the production, so you do not have to do anything. Any modification would lead to regulation anomalies.



1- To confirm and move to the next setting, press OK. To exit Expert settings, press M for 3 seconds.

DELETING LOGIN INFORMATION

To permanently delete the Wi-Fi or Zigbee connection information from the product, follow the steps below.

1- LAN apppears briefly on the screen.
Press — or + to select ON or OFF.
ON = Delete login information.
OFF = Not delete login information.



2- Select ON and press OK for 5 seconds.



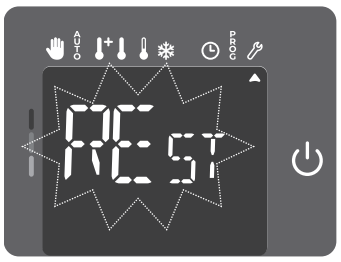
5 sec.

3- To confirm and move to the next setting, press OK. To exit Expert settings, press M for 3 seconds.

RESET EXPERT SETTINGS

To reset expert settings, proceed in the following order:

1- RESET appears briefly on the display.



2- Press — or + to select Yes or No.
YES = Reset expert settings
NO = Expert settings not reset.



3- Select YES and press OK for 5 seconds.

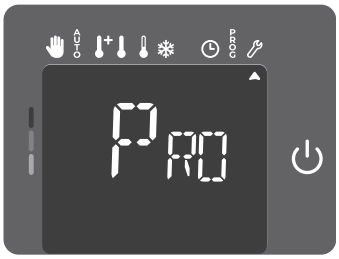


5 sec.

The following factory values will be effective:

Settings	Factory settings
User settings	
Comfort setting temperature	19°C
Comfort+ setting temperature	21°C
Eco setting temperature	15,5°C
Frost protection setting temperature	7°C
Active programme	Auto
Active programme	Appr (automatic programming)
Backlighting	L2
Installer settings	
Automatic open window detection	Enabled
Occupancy detection	Enabled
Minimum setting of Comfort set temperature	7°C
Maximum setting of Comfort set temperature	30°C
Aeration cycle time	30 min
Dual optimisation feature	Comfort
Value of the PIN code	0000
Wi-Fi connection	Enabled
Expert settings	
Reduced display brightness	50%
Ambient temperature sensor adjustment	0.0

The radiant panel heater returns to its original configuration and automatically returns to the installer settings home display.



POWER CUT

An energy manager or load shedding device prevents the main circuit breaker from tripping in the event of excessive power consumption (for example, when multiple appliances and other devices are running simultaneously).
This allows you to reduce your contracted power capacity and thus optimize your service plan with your energy provider.
NEOMITIS heating units are designed to operate exclusively with pilot-wire load shedding systems.
Commands sent via the control wire are executed by the unit's control electronics, which will apply the setting corresponding to the command received.
The "Off" (standby) command corresponds to load shedding; upon receiving this command, the unit enters "Heating Standby" mode and then returns to its initial mode.

OTHER REMOTELY 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 mechanised power shutdown (with contactor…). Unlike pilot wire shedding, the load shedding with frequent mechanised 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.
If remotely stop or standby orders should be frequently operated, you must use the pilot wire.

IN CASE OF POWER CUT, BACKUP

- The device will start up again without any outside input being required – you do not have to do anything. All of the settings and the correct time will be saved. When the main power supply returns, your device will again operate using the correct time and the settings that were programmed before the power cut (as regards desired temperatures, operating modes, programs, etc.). It will start up again in the mode which was active before the power outage.
- **For power supply cuts longer than 3 days,** check the time setting. All other settings are automatically and permanently saved.

? TROUBLESHOOTING

DIAGNOSIS SUPPORT

• Connection to Wi-Fi or Zigbee network

When the device's connection to your Wi-Fi network has encountered an anomaly:
- if your installation is in a Wi-Fi network: blink.
- if your installation is in a Zigbee network: blink.

This flashing indicates that the device cannot connect to the network. You may have entered your Wi-Fi key numbers incorrectly into the device.



Check that your device and your internet box or home automation box are plugged in and switched on.
- If your installation is in a Wi-Fi network: press OK for 5 seconds.
- If your installation is in a Zigbee network: press + for 5 seconds.

This will restart the pairing procedure to the Wi-Fi or Zigbee network.
Follow the instructions in the MY**NEOMITIS** application or in the application associated with the Zigbee product.

The device won't connect to the Wi-Fi network.
The ESTYLE only works with a 2.4Ghz network.
Following an update of your Internet box, it is possible that a 5Ghz network has been created. Please check that your network is in 2.4Ghz.
If this is not the case, please refer to the manual of your internet box to change it or call your internet provider to make the change.

• Updating the device software

We periodically perform software updates to optimise the performance of your device. You don't have to do anything. When you update, all your settings are preserved.

• Heating body

The device doesn't heat:
- Check the position of the circuit breaker/power supply protection fuse in your fuse board.
- Check the active operating mode (see page 9), you could be in "Standby mode" or in Auto mode, with an imposed stop order by the energy manager (see page 16).
- Check the ambient temperature using a thermometer: if it is elevated, the device has reached the desired temperature setting, therefore it is normal that it doesn't heat more.
- Switch the power off for 5 seconds at the mains supply then switch back on again.

The room temperature is not high enough, the device is not providing enough heat:
- Check the active operating mode (see page 9), you may be in Eco, Frost protection, Standby or in Auto mode, with an imposed stop order by the integrated programming or the energy manager. Activate the permanent Comfort mode.

- Check the active temperature setting and increase it if necessary (see page 19).
- Check the adjustment of the set temperature limit (see page 10 and page 19).
- If the problem persists, check the radiant panel heater sizing compared with the room dimension and insulation.

The device heats continuously and is hot on the surface:
- Check that the device is not influenced by an airstream.
- Check that the set temperature has not been changed.
- In operation, it is normal that the device surface is hot.
- If the problem persists, check the radiant panel heater sizing compared with the room dimension and insulation.

Several situations can generate a slight metallic slam.
- The device is fixed on an irregular wall.
- The device is fixed on an uninsulated wall.
- The device is in a stream of cold air.
- The device is badly positioned in the wall-mounting brackets.
- Heat up or sudden temperature change.

Important: Failure of the internal thermal limit due to overheating caused by the user eg covering with clothing is not covered by warranty.

• Controller

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

The ambient temperature measured by a thermometer doesn't correspond to the set temperature after several hours.
- An offset is always possible, you can refine the device setting (see page 23).

The device does not heat while the heating indicator is on:
- The heating symbol is lit on the display, the radiant panel heater is cold, contact your installer.

The device does not automatically lower the temperature in the absence period:
- Check that the occupancy detection is enabled (see page 19).
- Check that nothing disturb the operation of the occupancy detection (see page 4 et page 15).

After a subsequent temperature drop at the opening of a window, the device will not enter in Frost protection mode:
- Check that the automatic mode of the open window detection is enabled (see page 19).
- Check the location of your radiant panel heater (see page 15).
- Check that the temperature difference between the room air and outside air is significant.

The device automatically enters in Eco or Frost protection mode in your presence and closed windows:
- If the pilot wire is connected to a central programming via pilot wire, check the programming of the central.
- Disable the automatic open window detection mode (see page 19).
- Disable the occupancy detection (see page 19)).

The device is in self-programming mode and you observe a delay between the active mode Comfort or Eco and your requirement:
- The self-programming works by detecting and learning of your occupancy cycles, the device defines the future program by adapting to the different observations made in occupancy in the previous week. If your lifestyle is very irregular, for example every week is different, it is impossible to determine exactly your requirements in advance. Self-programming, such as weekly and daily programming, can never fully match. In this case, it is advisable to use only the presence/absence detection and to program your device in permanent Comfort (see page 13 and page 19).
- The optimisation function can generate slight offsets to guarantee the level of comfort at the right time or to save energy by slightly anticipating an Eco passage.
- Check that the presence/absence detector is not disturbed or blocked by an external source (see page 15).

The device is self-programmed but no period is programmed (ECO registration is displayed on the display):
- Check that the presence/absence detector is not disturbed or blocked by an external source (see page 15).

The radiant panel heater is in self-programming mode but the ambient temperature is not sufficient at the beginning of the period. Comfort:
- Check the Eco lowering level (see page 10):
  - If it is below -3.5°C, For example -5°C, the difference between the Comfort and Eco setpoint temperature is too high, which explains the perceived temperature difference at the beginning of the Comfort period. It is therefore recommended to set it to its initial value -3.5 ° C.
  - If the Eco lowering level is -3.5°C, set it to -2°C to reduce the difference between the Comfort and Eco setpoint temperatures.

The device is in Auto mode, remotely controlled by an energy manager or programmer but the programming orders are not executed by the device:
- Make sure the energy manager or programmer is in good condition, refer to the user instructions.
- Change the batteries of the energy manager or the programmer if this one contains it.

No symbol appears on the display screen.
- Check the position of the circuit breaker/power supply protection fuse in your distribution/fuse board.

You want to increase or decrease the set temperature but pressing a key on the keyboard has no effect:
- If the padlock symbol is displayed, the keypad lock is enabled. Unlock the keypad as shown in the manual, child anti-tamper section (see page 12).
- Check the Comfort setpoint temperature limitation and the lock PIN code (see page 19 and page 21).

You made a mistake while setting the advanced settings.
- Just restore factory settings – see the "Restoring factory settings" paragraph (see page 18, page 22 and page 24). This will erase any programmes that you would have implemented.

Error messages:

Error message	Description	What to do?
	Faulty temperature sensor	Witch off the product's power supply at the circuit breaker for 5 seconds, then switch it back on
		
	Anomaly on the presence/absence detector	Witch off the product's power supply at the circuit breaker for 5 seconds, then switch it back on
	System anomaly	Witch off the product's power supply at the circuit breaker for 5 seconds, then switch it back on
	Memory anomaly	Witch off the product's power supply at the circuit breaker for 5 seconds, then switch it back on

If the problem persists, then contact your reseller.

TECHNICAL INFORMATION

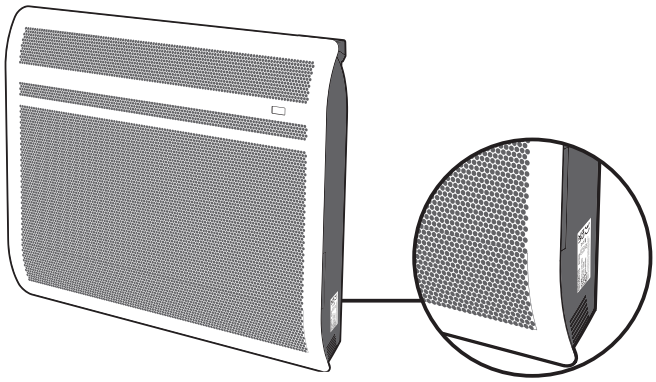
MAINTENANCE

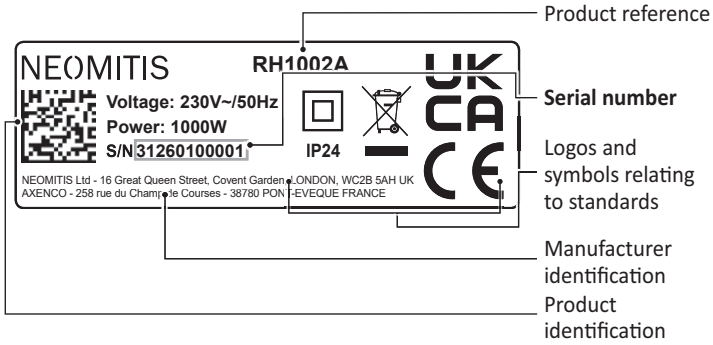
Before any maintenance work, select the Standby mode and wait until the device is cold.

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

PRODUCT LABEL

The product label is the identity card of your device. It contains all informations required of its traceability through time.





Important: the serial number allows the manufacturer to identify your device.

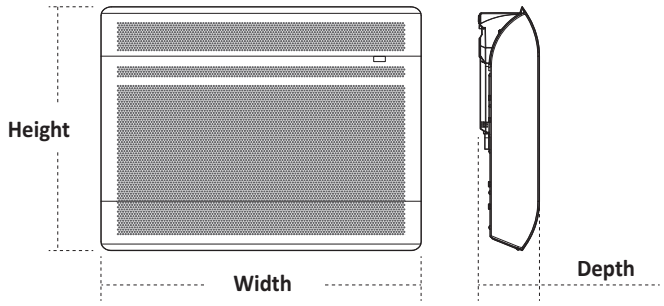
If you contact your installer about the product you have purchased, take the references of your radiant panel heater.

Make sure to keep instructions even after the product installation.

DIMENSIONAL SPECIFICATIONS

References		Power outputs (W)	Heights (mm)	Widths (mm)	Depth* (mm)
White version	Anthracite version				
RH0502A	**RH0502ANA**	500	470	450	95
RH0752A	**RH0752ANA**	750	470	547	95
RH1002A	**RH1002ANA**	1000	470	618	95
RH1252A	**RH1252ANA**	1250	470	763	95
RH1502A	**RH1502ANA**	1500	470	838	95
RH1752A	**RH1752ANA**	1750	470	993	95
RH2002A	**RH2002ANA**	2000	470	1058	95

** For the depth of Estyle installed, add 35 mm to the value of its depth.*



TECHNICAL SPECIFICATIONS

General specifications:

- Power supply: 230V +/-10% AC 50Hz.
- Radio frequencies Zigbee 3.0, Wi-Fi 802.11 b/g/n, BLE 2.0: 2400 – 2483,5 MHz.
- Maximum RF power transmitted: <20dbm.
- Consumption in heating standby mode: <1W.
- Proportional Integral Derivative control, with engagement by triac.
- Thermal Safety: The radiant panel heaters are equipped with a system to protect the device against overheating.

Wi-Fi specifications

- Use of standard Wi-Fi: IEEE802.11b / g / n 2.4GHz.
- The network name (SSID) must be between 1 and 32 characters without an accent. Spaces and special characters are allowed.
- The Wi-Fi network password must be between 8 and 64 characters without an accent. Spaces and special characters are allowed.
- It is recommended to use the security type WPA2 AES.

- The range of Wi-Fi in a standard home is generally 10-12 metres, depending on the presence of obstacles.
- Limit interference from wireless devices.
- Check that there are no obstacles between the device and the internet router. The Wi-Fi signal strength can be reduced by electrical devices, thick walls, etc.
- The use of a Wi-Fi repeater/extender is recommended for larger homes/buildings.
- Ports **443** and **8883** of your internet box must be open to facilitate proper connectivity of the devices.
- The use of the following domain name is required: *.imhotepcreation.com.

Environment:

- Safety: Classe II, IP24.
- Storage temperature: -20°C to +60°C.

Features:

- Setpoint adjustment range Confort +7°C to +30°C.
- Saving settings users in case of power failure.
- Programming: assigning a Comfort / Eco profile for each day of the week.
- Pilot wire 6 orders.

Simplified UK Declaration of conformity : Hereby, NEOMITIS Limited declares that the radio equipment type Estyle is in compliance with Radio Equipment Regulations 2017 (2017 No. 1206) and RoHS Regulations 2012 (2012 No.3032).

The full text of the UK declaration of conformity is available at the following internet address: https://www.neomitis.com/UKCA-declaration.html?lang=en

Simplified EU declaration of conformity:
Hereby, AXENCO, declare that the radio equipment type, Estyle, is in compliance with directives
2014/53/EU, 2011/65/EU and 2009/125/CE.

The full text of the EU declaration of conformity is available at the following internet adress: https://www.neomitis.com/CE-Declaration-2126.html?lang=en

Neomitis Ltd: 16 Great Queen Street, Covent Garden, London, WC2B 5AH UNITED KINGDOM - contactuk@neomitis.com

AXENCO: ZI Montplaisir - 258 rue du Champ de courses - 38780 Pont-Évêque - France - contact@axenco.com

The symbol , affixed 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.

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The Bluetooth® word mark is a registered trademark owned by Bluetooth SIG, Inc.

Wi-Fi® is a registered trademark of Wi-Fi Alliance®.

Zigbee® is a registered trademark of Connectivity Standards Alliance.

INFORMATION REQUIREMENTS FOR ELECTRIC LOCAL SPACE HEATERS

Contact detail			NEOMITIS LIMITED 16 Great Queen Street, Covent Garden, London, WC2B 5AH UNITED KINGDOM		
Model identifiers: RH0502(AN)A- RH0752(AN)A- RH1002(AN)A- RH1252(AN)A- RH1502(AN)A- RH1752(AN)A- RH2002(AN)A					
Item	**Symbol**	**Value**	**Unit**	**Item**	**Unit**
Heat output				**Type of heat output / room temperature control**	
Nominal heat output	P_{nom}	0.500 / 0.750 / 1.000 / 1.250 / 1.500 / 1.750 / 2.000	kW	Single stage heat output and no room temperature control	no
Minimum heat output (indicative)	P_{min}	0.000	kW	Two or more manual stages, no room temperature control	no
Maximum continuous heat output	$P_{max.c}$	0.500 / 0.750 / 1.000 / 1.250 / 1.500 / 1.750 / 2.000	kW	With mechanic thermostat room temperature control	no
Power consumption				With electronic room temperature control	no
In off mode	P_O	N.A	W	Electronic room temperature control plus day timer	no
In standby mode	P_{sm}	0.80	W	Electronic room temperature control plus week timer	yes
In idle mode	P_{idle}	0.80	W	**Other control options (multiple selections possible)**	
In networked standby	P_{nsm}	1.20	W	Room temperature control, with presence detection	yes
Standby mode with display of information or status	yes			Room temperature control, with open window detection	yes
Seasonal space heating energy efficiency in active mode	$\eta_{s,on}$	100	%	Distance control option	yes
				Adaptive start control	yes
				Working time limitation	no
				Black bulb sensor	no
				Self-learning functionality	yes
				Control accuracy	yes

LEGAL GUARANTEE (EXTRACT OF TERMS AND CONDITIONS)

Clause 6 - Guarantee:

6.1. Guarantee of patent defects - Principle: Our products must be verified by the customer upon delivery.

Any and all claims, reservations or disputes regarding missing items and patent defects must be submitted in the manner set forth in these General Terms and Conditions.

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

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

The customer shall have to provide any and all evidence as to the reality of the defects noted (paperwork, photographs, etc.), and our company reserves the right carry out, directly or indirectly, any and all checks and verifications, notably on-site. Notice of the missing items or of the patent defects which were noted at the time of delivery, and those discovered after acceptance and intake of the products, shall have to be provided by the customer in writing within twenty-four hours following the date on which the latter discovered the said missing item or defect. No notice shall be taken into account if it is provided more than eight full days following delivery of the products.

Once said timeframe has expired, the customer shall no longer be able to put forward as ground non-conformity of the products as regards patent defects or missing items, or raise said non-conformity in a counterclaim in its defence at the time of legal proceedings regarding the collection of monies owed brought by our company.

6.2. Guarantee of hidden defects: Our company guarantees its products against the hidden defects which existed on the date on which products are delivered, in accordance with the law, under the terms set forth hereinafter. Our guarantee only applies to products which have lawfully become the property of the purchaser. It only applies to products which were manufactured in full by our company. Our guarantee covers hidden defects. Since our customers are trade professionals, a hidden defect is defined as an unacceptable manufacturing defect affecting a product which renders the latter unfit for the intended use thereof which is not liable to be detected by the purchaser before it is used. “Unfit for the intended use thereof” means that the defect prevents the piece of equipment from operating. Thus, the design of the product is not covered by the hidden defects guarantee – our customers are deemed to have received all of the technical information regarding our products. We do not guarantee against malfunctions or damage or wear and tear arising out of adaptations or fitting of our products which are special or unusual or usual. Likewise, allegations regarding occasional or variable malfunctions, a lack of comfort, unhappiness regarding the results obtained, aesthetic defects, in particular, are not covered by the guarantee against hidden defects. A defect is not hidden if, despite the fact that the purchaser was not aware of it in good faith, it could have been discovered by carrying out basic verifications.

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

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

6.4. Terms covering the application of guarantees: Any and all requests for coverage in respect of the guarantee must be made using our After-Sales Service Return Request Form. All claims must be made by the Customer to the Supplier’s After-Sales Service Department, given that no direct claims by the user shall be taken into account. The guarantee request shall be taken into account upon production of a dated purchase receipt. It is the responsibility of the purchaser, who alleges a defect, regardless of the defect in question, to provide proof of the existence and of the nature thereof. An application is forwarded by the purchaser to our staff. Likewise, any and all guarantee requests shall have to be accompanied by evidence that it does not fall under one of the said exclusion cases.

The purchaser must do his or her utmost to enable said defects to be officially recorded and remedied. He or she must furthermore absolutely abstain from replacing the products or have said replacement carried out by a third party, failing which guarantee coverage shall not be provided.

The guarantee coverage is limited to merely exchanging or repairing the defective part. If it proves indispensable, after examination by the Supplier’s Technical Staff, replacement of the appliance in full shall be carried out as a temporary measure.

Said replacement measure, taken as a temporary measure, under no circumstances howsoever constitutes an acknowledgment of responsibility on our part. In the event of replacement of the defective part or of the appliance as a whole, transport, removal and fitting costs are excluded from the guarantee. In the event of immediate replacement as a temporary measure, the defective equipment shall have to reach our staff within fifteen calendar days of the replacement thereof. Failing which, the replaced equipment shall be invoiced.

All returns shall be carried out in suitable packaging, with the equipment properly wedged. The cost of the return shall be borne by the customer.

No returns of parts shall be accepted unless approved beforehand by our After-Sales Service Department. The customer shall receive an assessment carried out by our After-Sales Service Department in the event that the latter concludes that the return was unjustified.

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

Moreover, our guarantee automatically ceases to apply when our customer has not notified us of the alleged defect within a timeframe of thirty full days from the date of the facts cited as justifying the claim for guarantee coverage.

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

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

The guarantee does not apply to equipment already resold by our purchaser.

6.6. General exclusions in respect of the all the guarantees:

All guarantees are invalid as soon as our products have been used under usage or performance circumstances for which they were not intended or which do not constitute normal usage.

The guarantees do not apply if the following conditions have not been complied with, to whit notably:

- Storage away from sources of humidity and the effects of bad weather;
- Set-up and installation in accordance with best practice;
- Utilisation with a 230V domestic power supply;
- Utilisation compliant with the Supplier’s instructions for installation and use.

The guarantees do not apply to any eventual damage which is the consequence of overvoltage or other faults which occur in power supply and distribution circuits. The guarantees apply to corrosion defects only if the appliances are used in accordance with the usual circumstances which apply in a single housing unit or in the tertiary sector; in particular they must not be:

- Subject to intensive and continuous ambient humidity (from swimming pools, etc.);
- Cleaned using acidic substances which are liable to affect their properties.

The development of a shade of colour over time is a natural phenomenon and cannot give rise to a guarantee claim.

The guarantees do not come into play if the acquirer cannot provide evidence of full payment for supplies and/or if the installation and usage instructions provided by the vendor were not complied with, and less specifically in the event that the damage caused arose out of the actions of the purchaser or of the servants thereof, out of force majeure circumstances or out of unforeseen circumstances. The guarantees do not apply in the event of a defect originating either in the components supplied by the purchaser and in the event of a design having been required by the purchaser, without the vendor having taken part in said end design process, or if the product did not meet aims determined by the customer of which the vendor was not notified.

All points not mentioned in writing in the order are not guaranteed. All damage caused by normal wear and tear is also excluded from the guarantee.

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

6.7. Specific exclusions in respect of central heating radiators as regards all of the guarantees:

- The system must be set up in accordance with best practice, and notably in accordance with D.T.U. 60.1 and 65.11 and the fascicules (booklets) CCO, CC1, CC2 and CC3 drawn up by the Commission Centrale des Marchés (the French State’s central tendering committee);
- The water used to supply heating circuits must not be aggressive, corrosive, etc.;
- The circuit must be free of material formed by metal, scale, grease, etc.;
- The system must not contain traces of dissolved gases (in particular oxygen).

All common forms of corrosion are caused by the presence of oxygen, therefore all risks of oxygen entering the system must imperatively be avoided.

To do so, it is necessary:

- To carry out effective upstream bleeding of the circulation pump and bleeding of high points (located in high pressure areas);
- To make the expansion system large enough, in order to avoid frequent addition of supplemen-tary water;
- To have high pressure continuously at all points in the system;
- Also avoid unusual additions of water, due to leaks, parasitical bleeding or other causes, in general avoid all factors which present a risk of oxygen getting into the system, notably should gas-permeable materials be used;
- Heating bodies, after initially being filled, must be filled with water and must not be drained periodically;
- In the event that the use of a corrosion-inhibitor is rendered necessary, it must be compatible with all the materials present in the system. The choice of it and verification of its effectiveness must therefore be appropriate in relation to the system in question;
- The installer will take care to use joints made of material which is compatible with that of the heating body in order to prevent all abnormal electro-erosion phenomena;
- In the event that anti-freeze is used, it must be of a quality appropriate for use in a central heating system and must never be used pure, rather diluted to the relevant percentage (neither above or below) before it is put into the system;
- The operating pressure of the heating body guaranteed by the manufacturer must correspond with the normal maximum operating pressure. In the event that a test is carried out on the system, the maximum values in respect of the latter are set out by the standard NF EN 442-1, sections 5.2 and 5.3.

6.8. Guarantee period: The guarantee period for missing parts and patent defects varies depending on the nature of the defect in question and on the type of equipment in question:

- As regards electric radiators, electric decorative radiators, electric radiant panel heaters, electric towel rails and accessories: a guarantee lasting 30 months from delivery of the appliance up to a maximum of 36 months after its manufacturing date in the case of a non-compliance defect;
- As regards spare parts: 2 years from the exchange.
- As regards wall sockets, room thermostats, programmers, programmable smart and connected digital room thermostats, thermostatic radiator valves and gateways, a 3-year guarantee from delivery of the appliance.
- As regards wired mechanical room thermostat, analogue cylinder thermostat, motorised zone valves, thermoelectric actuator, a 2-year guarantee from delivery of the appliance.

The guarantee for hidden defects is provided for duration of 30 months from delivery.

The spare parts vital for the use of the product or equivalent spare parts continue to be available for 10 years from the date the appliance was last marketed.

Work carried out under the guarantee does not have the effect of extending the duration of the guarantee.

- For electric underfloor heating, the warranty periods are as follows depending on the type of product:
  - Underfloor heating with glued-down covering: 20 years.
  - Electric underfloor heating with floating parquet: 15 years.

These warranties take effect from the date of purchase of the product and apply under the following conditions:

- If the inspection and guarantee form has been correctly filled in and returned within 1 month of installation and six months after purchase, the ohmic value and insulation value tests must be carried out before installation, after installation of the product and after installation of the covering.
- If the installation complies with the rules in force mentioned in the in the installation instructions, in the Cahier de Prescription Technique of February 2013 and the BS7671 18th Edition Part P National Wiring Regulations.
- If the electric heating mats are not diverted from their intended their primary function as intended by NEOMITIS.

The warranty will lapse in the following cases:

- If the floor covering above the electric underfloor heating system has been damaged, repaired, replaced or covered by one or more successive coverings.
- If the floor covering above the electric floor heating system is covered by furniture or carpets on the floor, which could damage the heating cable.
- If the underfloor heating system is fed continuously as a result of a thermostat fault or a high temperature demand or when operating without a thermostat.
- If a voltage error occurs, even momentarily.
- If any modification is made to the heating element (cold junction, termination or if the heating cable has been shortened or lengthened).

The warranty is limited to the replacement or repair of parts found to be defective by the NEOMITIS after-sales service and excludes any service and all labour, travel or transport costs as well as any compensation for damages, in the case of a factory defect in the product.

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NEOMITIS

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