EN

1. Overview

1.1 Introduction

Dear customer,

Thank you for choosing this radiator.
This product has been manufactured in accordance with our stringent quality requirements to give you total satisfaction. To get the most out of your radiator, we advise you to read these instructions carefully and keep them to hand.

Thank you for your purchase.

1.2 Warnings

CAUTION: To avoid overheating, do not cover the heating appliance.

Do not sit on the heating appliance.

Caution, hot surface.

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.

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.

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capa-

bilities 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.

This appliance should be plugged or connected, according to rules and standards in application, only by an authorized person.

It is protected from splashes of water, and can be installed within volume 2 (**see page 45**) as long as the electrical controls are out of reach of anyone using the bath or shower. It must not be connected to ground.

The electricity supply must be protected by a residual current device with a maximum of 30mA, especially when installed in a room containing a bathtub or shower.

Before carrying out any maintenance operation on your appliance, ensure that it is switched off.

IMPORTANT If the power cable is damaged, for safety reasons it must be replaced by the manufacturer, the manufacturer's after-sales service department or a similarly qualified person.

IMPORTANT The heating appliance must not be placed underneath a power outlet.

IMPORTANT This appliance is not intended for use at altitudes exceeding 2000 m.

1.3 Overview of your appliance

This heating appliance is filled with a precise quantity of specific oil.

Any repair work requiring the oil tank to be opened should only be carried out by the manufacturer or their after-sales service department, which should also be contacted in the event of an oil leak.

When disposing of the heating appliance, comply with the regulations in force on the disposal of oil.

This electrical appliance with circulating fluid is delivered ready to use.

It is plugged and filled with a high-performance thermal mineral oil before leaving the factory. This fluid was specially designed for this use and requires no special maintenance.

As soon as the appliance is switched on, you will notice certain differences compared to a standard electric heating system:

- the electric heating element heats the fluid, which gradually and naturally starts circulating in your appliance;
- the properties of the fluid are such that it takes approximately ten minutes for the radiator to reach its optimum surface temperature, depending on the model and the room temperature when the appliance is switched on;
- this principle also ensures consistent and sustained heating even when the element is no longer powered.

2. Installing your appliance

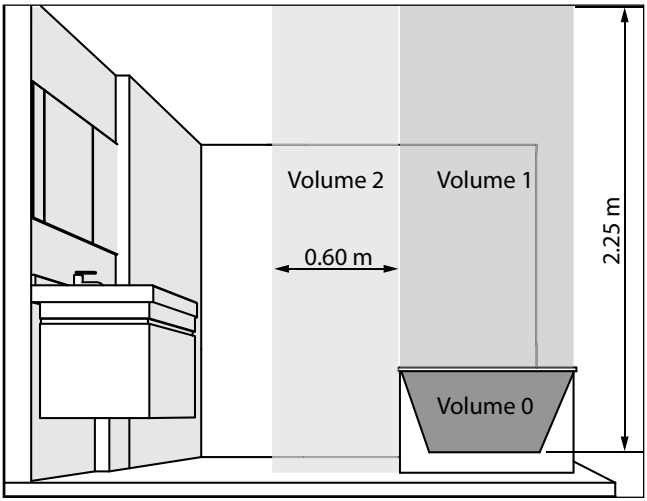
2.1 Warnings

The flexible cable supplied with your appliance is designed to be connected to the mains via a junction box that must be placed behind the appliance, with no need for a plug.

In a kitchen or bathroom, the junction box must be positioned at least 25 cm from the floor.

The appliance must be installed as described in this document and in accordance with the applicable European and French standards, including CEI 60364.7.701 and NF C15-100, as well as the rules of good professional practice.

For other countries (apart from France), the appliance must be installed in accordance with standards in force and with rules of good professional practice in the country of use.



IMPORTANT The example shown only concerns a bathtub. For other bathroom fixtures, please consult your installer.

IMPORTANT The system must be fitted with an omnipolar circuit-breaker with a minimum contact opening of 3mm.

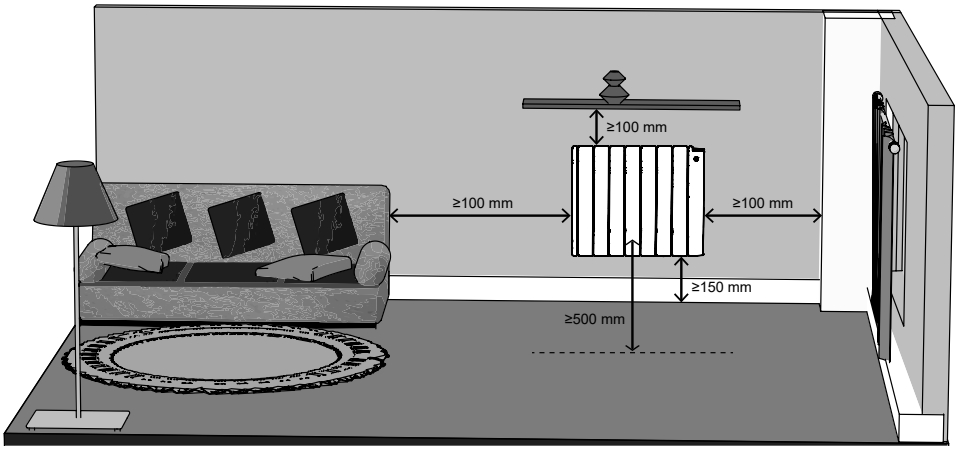
To ensure your system is safe:

- ensure that an area of at least **50 cm** in front of the appliance is clear of objects which might hinder air circulation (furniture, chairs, etc.);
- position a shelf at least **10 cm** above the top of your radiator;
- do not expose the radiator to intense or prolonged humidity;
- use mounting screws suitable for your wall.

This appliance should never be installed with the electrical connection box positioned topside.

To get the most out of your appliance and enjoy the highest standards of comfort, we recommend that you install the appliance near places with high heat loss (windows, doors, etc.) wherever possible.
You will find a complete set of assembly instructions in your appliance's box.

Always turn off the electricity supply (circuit-breaker + pilot wire) before making any connections.

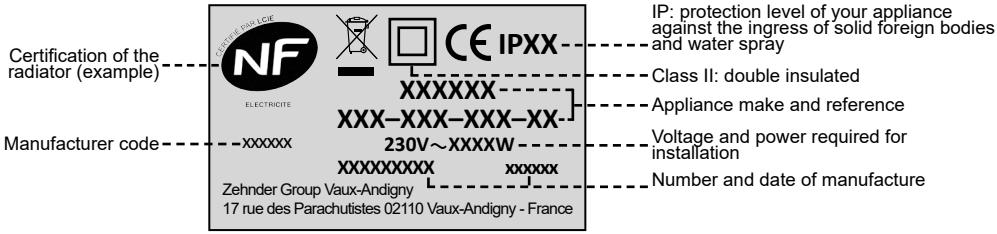


RECOMMENDATIONS FOR THE OPEN WINDOW DETECTION FUNCTION (SEE CHAPTER 6)

The position of your device affects the way the open window detection function works In addition to the arrangement of your installation in the room, its function is also affected by the temperature setting on the device, and the outdoor temperature.

2.2 Connecting the appliance

The technical specifications of your radiator are shown on its nameplate.
Please note these down before installing it and before requesting any after-sales assistance.



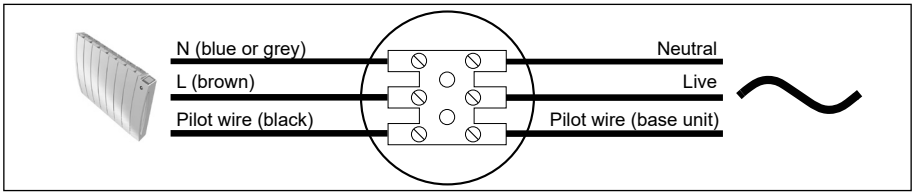
When connecting the appliance to the mains, you must observe:

- the voltage indicated on the nameplate;
- conventional colour coding:

– blue or grey: neutral – brown: live – black: pilot wire

CONNECTING PRINCIPLE WITH PILOT WIRE:

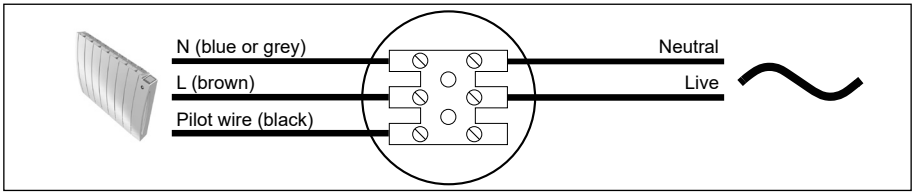
Your appliance is equipped with a pilot wire for connection to a pilot wire programming base unit (not supplied with the appliance).



NOTE: Your appliance is equipped with an integrated electronic control system so we cannot accept any liability should the appliance be used with pilot wire programming base unit (refer to the instructions supplied with your control unit).

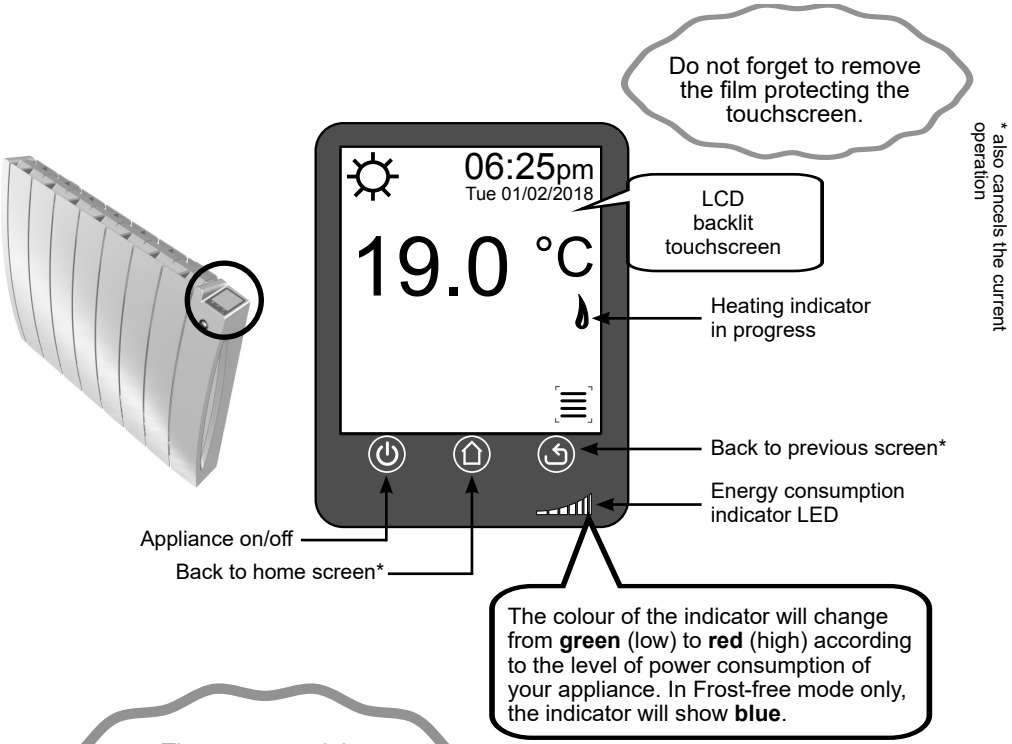
CONNECTING PRINCIPLE WITHOUT PILOT WIRE:

If the pilot wire is not connected, it must be insulated for safety reasons. Under no circumstances must it be connected to earth.

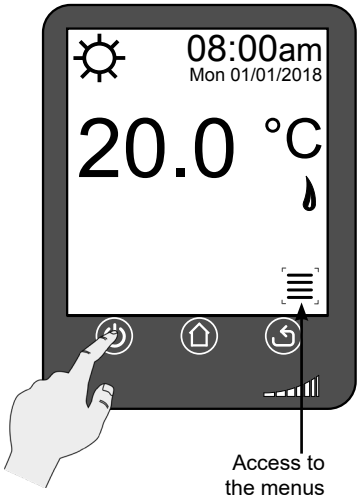


3. Using the interface

3.1 Description



The screen and the energy consumption indicator will turn off automatically after **60 seconds** with no key on the screen or button pressed. The stand-by situation will not affect operation of the radiator, and any operation will reactivate the screen and light.



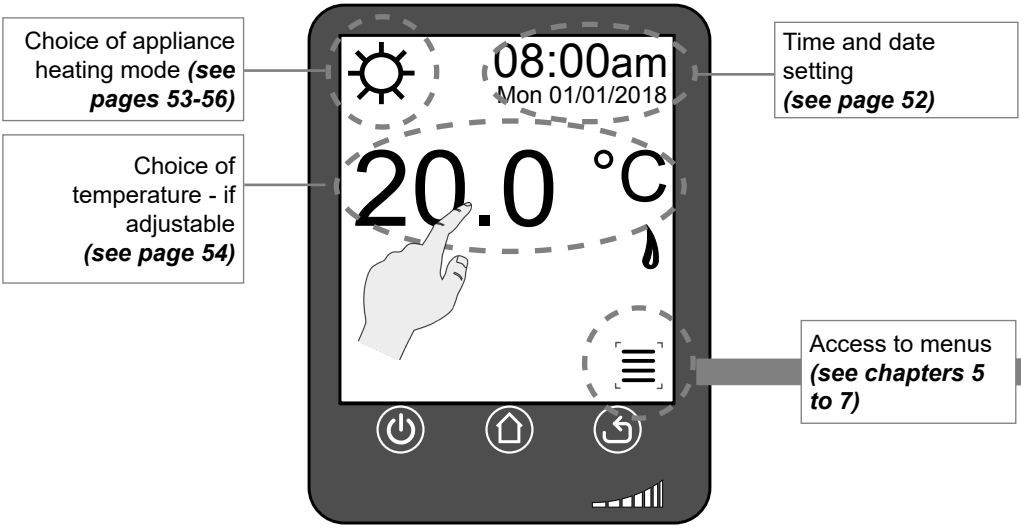
Press the ⏻ button for **2 seconds** to start your appliance. The appliance then emits an audible signal.
Press the ⏻ button for **2 seconds** to turn off your appliance. The appliance emits two audible signals.

ICON	EXPLANATION
	Appliance On/Off
	Back to home screen
	Back to previous screen/menu
	Menu
	Comfort mode
	Eco mode
	Frost-free Mode
	Pre-set programme mode (+ programme number selected)
	User programme mode
	Travel mode
	Choice of operating mode.
	Setting Comfort temperature
	Setting the Eco temperature (not visible on screen if linked to Comfort temperature)
	Window open detection activated Window open detected (home screen)
	Window open detection deactivated
	Presence detection activated Presence detected (home screen)
	Presence detection deactivated

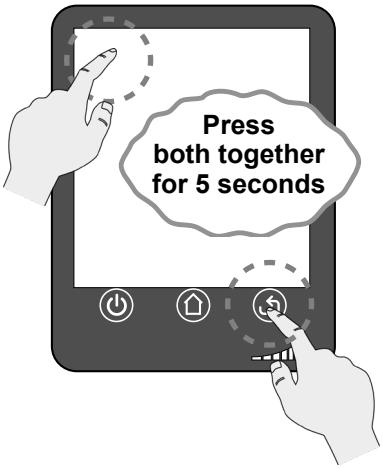
ICON	EXPLANATION
	Time setting
	Date setting
	Access to date and time setting
	Comfort and Eco temperatures linked
	Comfort and Eco temperatures unlinked
	Back to factory settings
	Calibrating temperature measurement by the radiator
	Heating indicator
	Override indicator
	Pilot wire control unit indicator
	Interface lock
	Connect system

3.2 Use

Touch a screen zone to activate it.

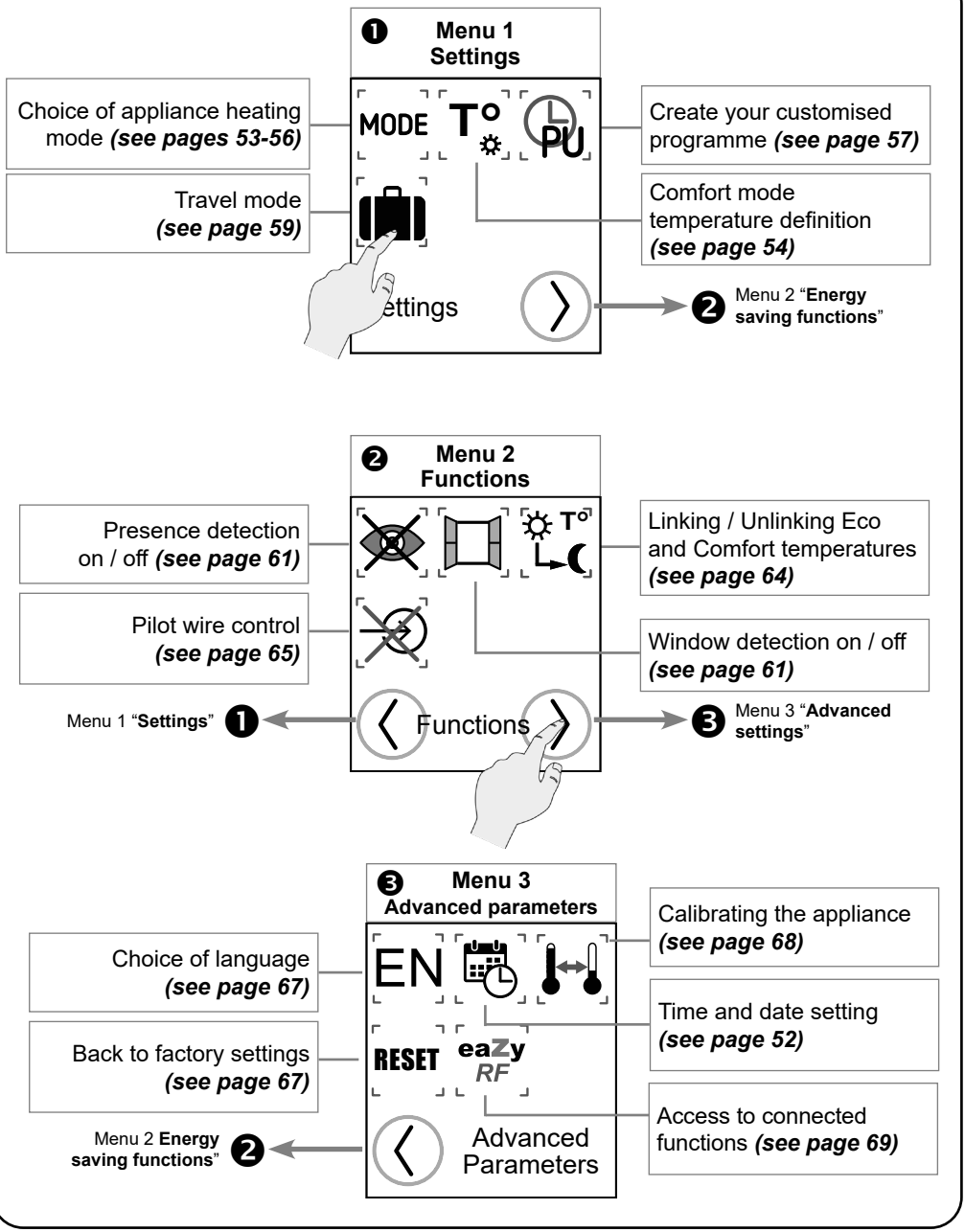


LOCK SCREEN
(child-proof)



The 🔒 icon appears at the bottom right of the screen.

It flashes for a few seconds when the screen is pressed while the appliance is locked.
The icon will also flash with a press on the ⌂ key or the ↩ key.
Press again for **5 seconds** to unlock the interface.

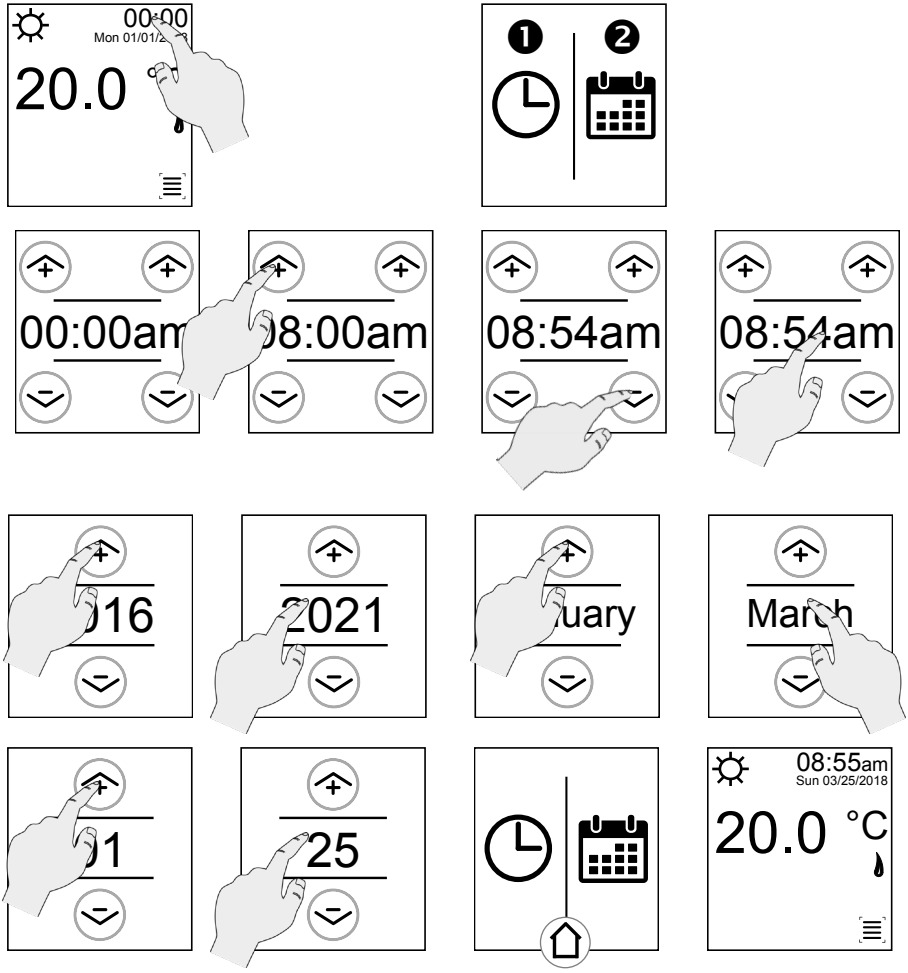

1 Menu 1
Settings
Choice of appliance heating mode (see pages 53-56)
Travel mode (see page 59)
MODE
T°
PU
Create your customised programme (see page 57)
Comfort mode temperature definition (see page 54)
ettings
2 Menu 2 "Energy saving functions"
2 Menu 2
Functions
Presence detection on / off (see page 61)
Pilot wire control (see page 65)
T°
Linking / Unlinking Eco and Comfort temperatures (see page 64)
Window detection on / off (see page 61)
Menu 1 "Settings" 1
Functions
3 Menu 3 "Advanced settings"
3 Menu 3
Advanced parameters
Choice of language (see page 67)
Back to factory settings (see page 67)
EN
RESET
eaZy
RF
Calibrating the appliance (see page 68)
Time and date setting (see page 52)
Access to connected functions (see page 69)
Menu 2 Energy saving functions" 2
Advanced Parameters

3.3 Time and date setting

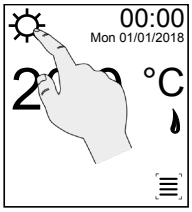
It is not essential to set a date and time on your appliance.

However, you cannot use the programmed modes if you have not completed this step first. The time and date information will flash if they have not been set.

During a power outage, your appliance will store the time and date in its memory for **10 minutes**. After ten minutes, you will have to reset the time and date.



4. Operating Modes

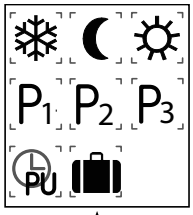


3 basic modes (Frost-free, Eco, Comfort) →

3 preset programmes (P1 to P3) →

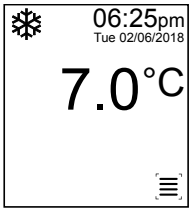
1 weekly user programme with customised PU (icon greyed-out, cannot be adjusted if programme not set) →

Travel mode (icon greyed-out, cannot be adjusted if programme not set) →



FROST-FREE MODE:
(recommended if premises unoccupied for more than 24 hours)

Your radiator is set to ensure a minimum temperature of **7°C** in your room, to avoid any risk of freezing.
The user cannot change this temperature setting.



ECO MODE:
(recommended if the room is unoccupied for more than 2 hours)

The economy mode can operate in **2 different ways**:
- either the eco temperature is **linked** to the Comfort temperature (see below);
- or the eco temperature is **unlinked** (independent).

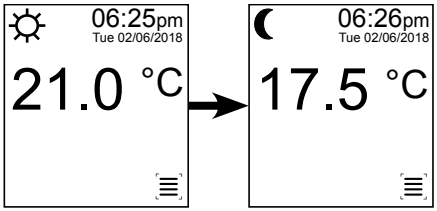
PLEASE NOTE:
Your appliance operates in **eco linked** mode by default.

See ***page 64*** for how to **link** or **unlink** Eco T° and Comfort T°.

A) Linked Eco operation

In this case, the economy mode allows the temperature to be reduced by **3.5°C** compared with the desired temperature level for the COMFORT setting.

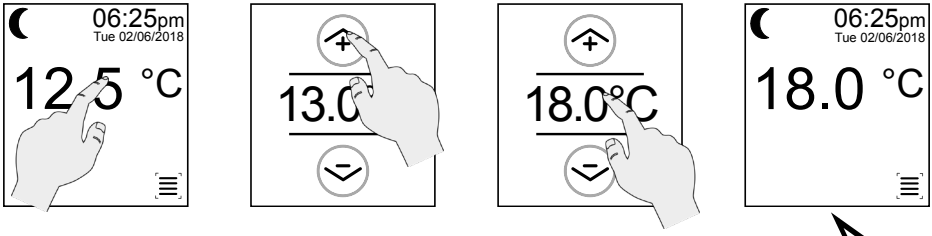
The user cannot change this temperature setting. It cannot be higher than **19°C** or lower than **7°C**.



ECO MODE (cont):

B) Unlinked Eco operation

You can choose to unlink the Eco mode temperature from that of the Comfort mode. (***see page 64***) You can then choose the desired room temperature when the appliance is running in Eco mode.



The Eco mode temperature can be adjusted from **7 to 19°C** in 0.5°C steps. There must be at least 1° of difference from the temperature set for Comfort mode.

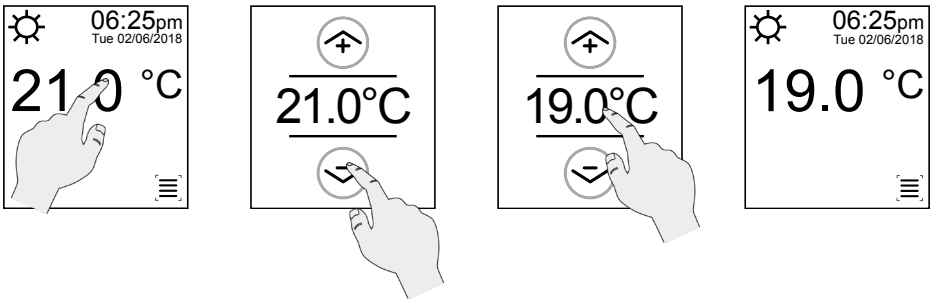
If you don't enter a setting, the unlinked Eco temperature will have a default value of **15.5°C**.

EXAMPLE:

Your **Eco** temperature cannot be higher than **18°C** if your **Comfort** temperature is set at **19°C**.

COMFORT MODE:
(recommended if the room is occupied)

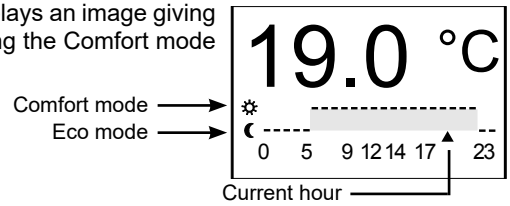
This is the normal operating mode of your appliance.
This temperature level can be adjusted from **7 to 28°C** in 0.5°C steps.



PRESET PROGRAMMES

The control interface of your appliance includes three **daily programmes** - P1, P2 and P3 - which cannot be altered. These are based on various room usage scenarios which alternate between **Comfort** mode and **Eco** mode for your appliance, depending on the time.

For each programme activated, the screen displays an image giving the programme operation hour by hour, showing the Comfort mode and Eco mode periods.



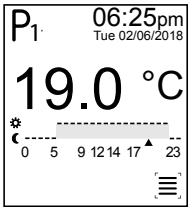
You need to set the time before choosing a programme mode. You cannot select a programme until this is done (***see page 52***).

Programmes P1, P2 and P3 use the **Comfort** and the **Eco** temperature you have set beforehand (***see pages 53-54***).

DAILY PROGRAMME P1

(repeated every day the programme is activated).

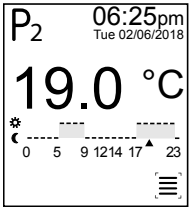
This programme is to heat your room between 5 and 9am, then from 5 to 11pm (e.g. occupied all day).



DAILY PROGRAMME P2

(repeated every day the programme is activated).

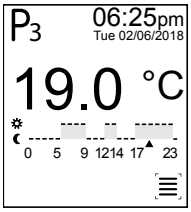
This programme is designed to heat your room between 5 and 9am, then from 5 to 11pm (e.g. working day).



DAILY PROGRAMME P3

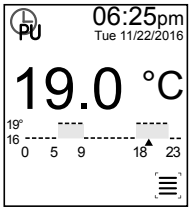
(repeated every day the programme is activated).

This programme is designed to heat your room between 5 and 9am, from 12 to 2pm and then from 5 to 11pm (e.g. working day, returning home at midday for a while).



WEEKLY USER PROGRAMME (PU):

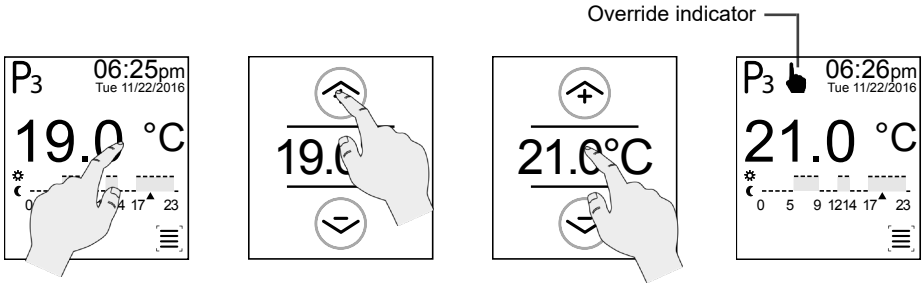
A weekly programme (PU) lets you define **your own operation** for each hour and each day of the week.
As with the other programmes, the screen displays a graph showing the settings for your programme on the current day.



Your
user programme
can only be selected
if every day of
the week has been
programmed.

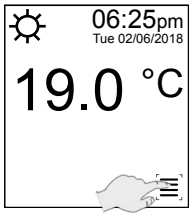
TEMPERATURE OVERRIDE:

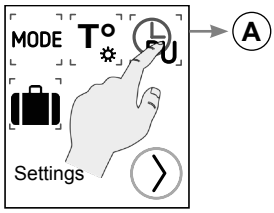
In all programmed modes and in pilot wire mode, you can press the temperature displayed on the home screen to modify it **manually**.



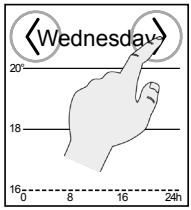
The appliance will resume normal operation next time the programme changes the temperature, or when the pilot wire mode is changed.

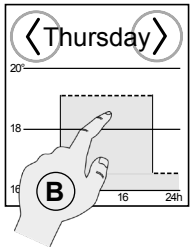
CREATE YOUR CUSTOMISED PROGRAMME (PU):



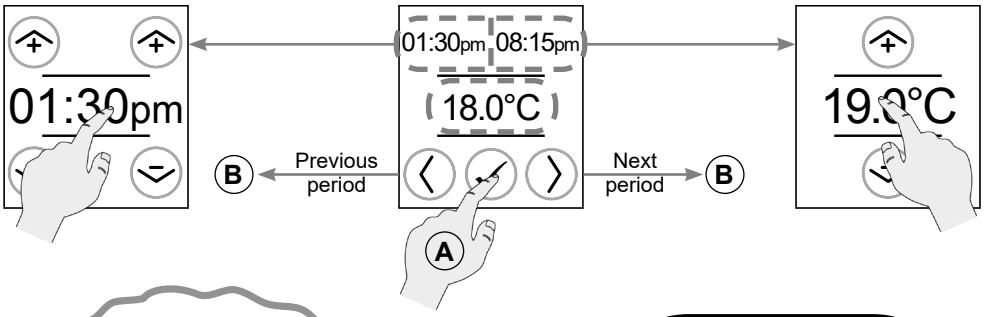


(A) Select day





(B) Creating time periods
(up to 10 different time periods per day)

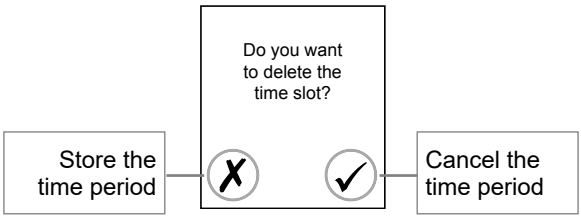


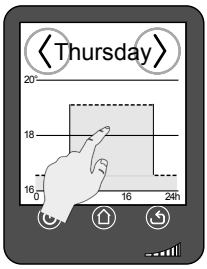
If some of the time periods in the day are not entered, the times not specified will have the default value of 16°C.

While setting the programme, the energy consumption indicator will show you the consumption level for the selected temperature.

To cancel a time period:
(except for period starting at 00:00)

Long press





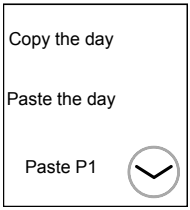
Long press on graph

CREATE YOUR CUSTOMISED PROGRAMME (cont):

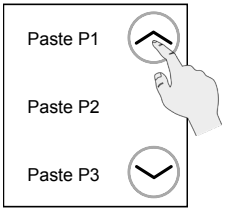
COPY/PASTE FUNCTIONS

- Copy the day: copy the active day.

- Paste the day: paste the day just copied to the day you are in when you call up the menu.
E.g.: you have programmed Monday, and then copied it.
You then go to Wednesday and re-open the menu. Press “Paste the day” to apply the settings from Monday to Wednesday.



- Paste P1: paste the settings from programme P1 (see ***page 55***) to the day you are in when you call up the menu.

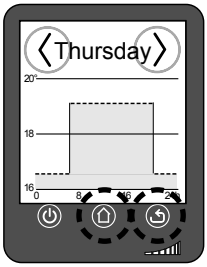


- Paste P2: paste the settings from programme P2 (see ***page 55***) to the day you are in when you call up the menu.

- Paste P3: paste the settings from programme P3 (see ***page 55***) to the day you are in when you call up the menu.

AT ANY TIME DURING THE PU PROGRAMME:

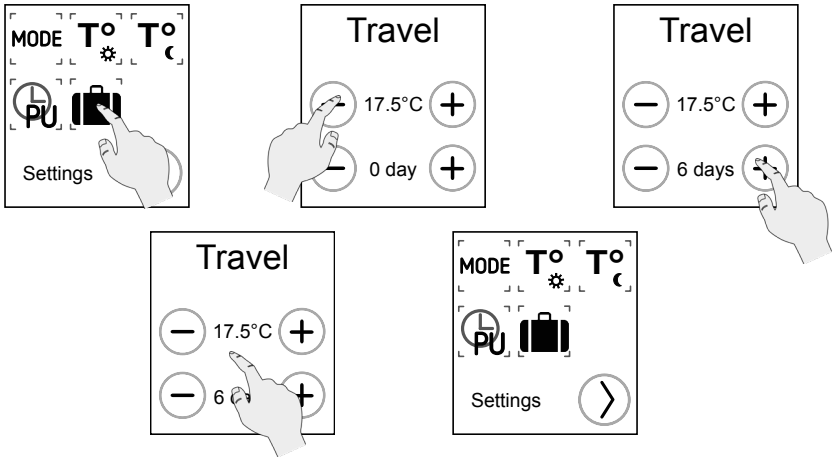
Pressing ⌂ or ↩ will quit the programming.
The programme will still be saved.



TRAVEL MODE:

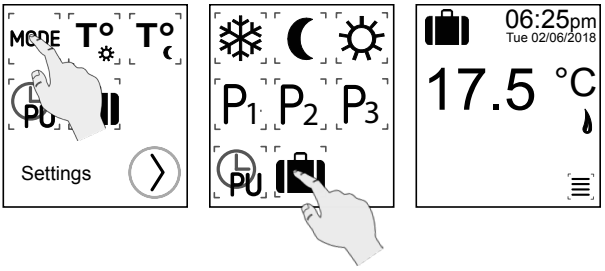
When you are away for several days or several weeks (e.g. during vacation) you can specify a continuous heating temperature for a set number of days. Once the period has expired, your appliance returns to the operating mode active before Travel mode was launched (at midnight in the previous 24-hour period).

Setting:



WARNING:
Access to Vacation mode programming is only possible if date and time have been set beforehand.
Travel mode is active as soon as you quit the settings. You can always change the mode and restart Travel mode later, using the same settings or new ones.

Selection:

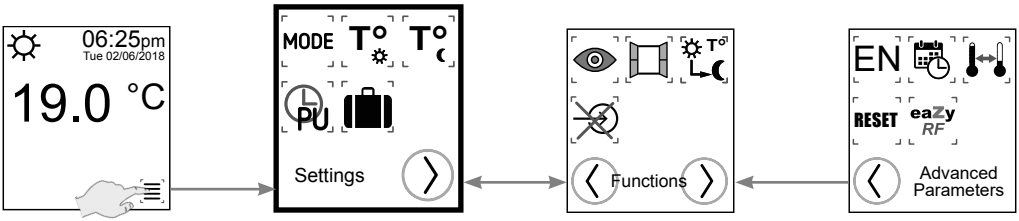


The programme only recognises full days. So the day you start the Travel programme counts as **Day 1** of the number of days you have set.

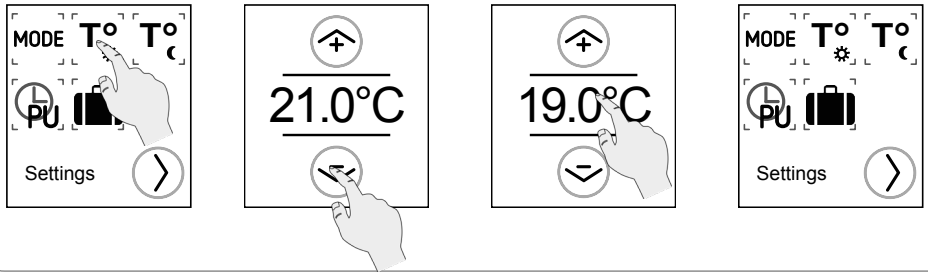
EXAMPLE:

You are away on vacation from Saturday to the following Saturday.
Your appliance is operating in Comfort mode 20°C.
Before leaving on Saturday morning, you switch to Travel mode 17.5°C, for a period of 7 days.
The appliance will heat the room to 17.5°C from when the mode is started.
After midnight on the following Friday, the appliance will return to normal operation.
It returns to Comfort mode 20°C. So you will have saved energy, and the room is then warm for when you return on Saturday.

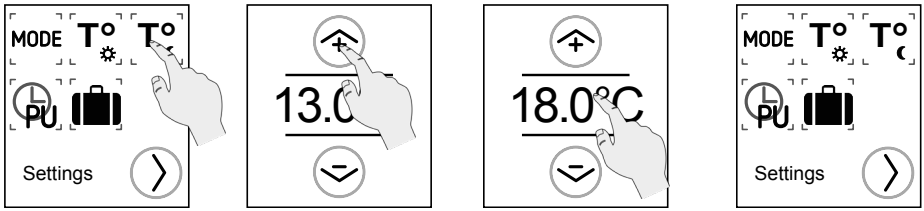
5. Settings menu



COMFORT TEMPERATURE (from 7 to 28°C):
(T° linked to Comfort mode and to programmes P1-P3)



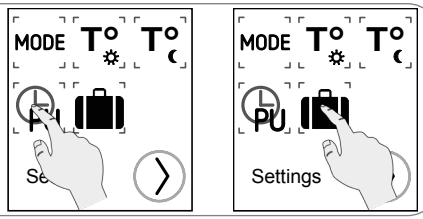
ECO TEMPERATURE (from 7 to 19°C - see *page 53* for further details):
(T° linked to Comfort mode and to programmes P1-P3)



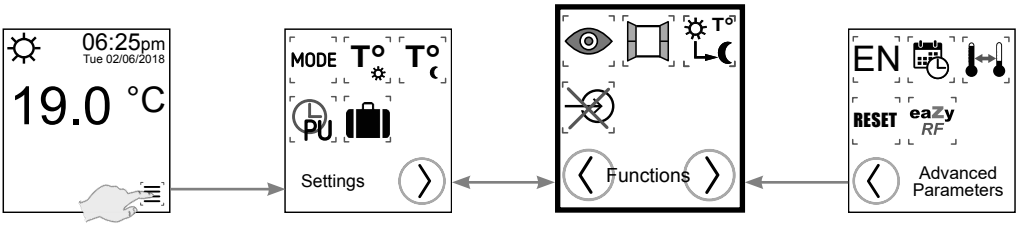
This setting will not be accessible if you have chosen to link the T° of the Eco mode to that of Comfort mode (***see page 46***). Having these temperatures linked is the default operating mode of your radiator.

SETTING USER PROGRAMME:
See *pages 57-58.*

SETTING TRAVEL MODE:
See *page 59.*

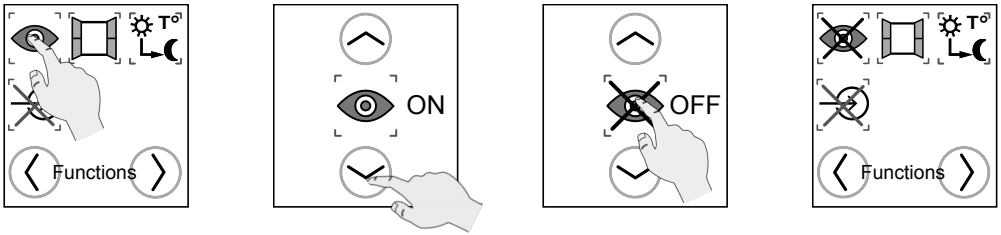


6. Energy savings functions menu



DETECTION OF PRESENCE / ABSENCE

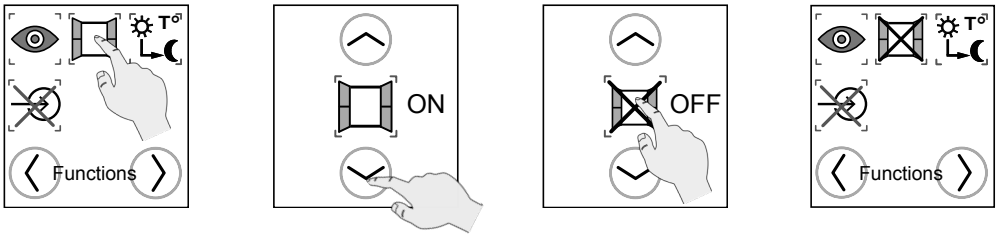
Your radiator can detect the presence or absence of people in the room, so that it can adapt the operating temperature automatically. If it detects no movement for a period (see table), it will gradually reduce the temperature and save you energy. Once the presence of someone in the room is detected again, it will resume normal operation.



Presence detection is activated by default on your radiator.

WINDOW OPEN/CLOSE DETECTION:

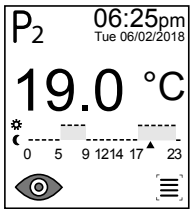
Your radiator may detect a significant drop in temperature, caused by a window standing open in winter, for instance. It then adapts its operation so that you make energy savings.



Window open detection is activated by default on your radiator.

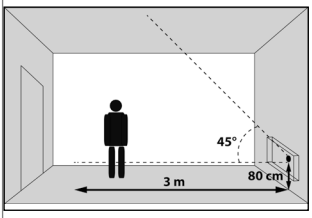
Detailed description of operation of Presence/absence detection

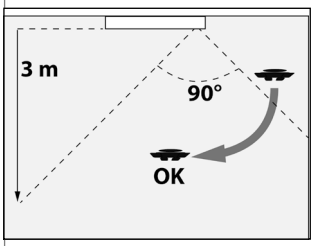
Your radiator can detect the presence or absence of people in the room, so that it can adapt the operating temperature **automatically**. If it detects no movement for a period (see table), it will gradually reduce the temperature and save you energy. Once the presence of someone in the room is detected again, it will resume normal operation.
When a presence is detected, and the appliance resumes normal operation, the icon concerned flashes for **5 minutes** before disappearing.



PLEASE NOTE:
Presence detection will operate from any mode managing the setpoint temperature (defined in Comfort mode): **Comfort**, **P1**, **P2**, **P3**, **PU** and **Pilot wire** mode.

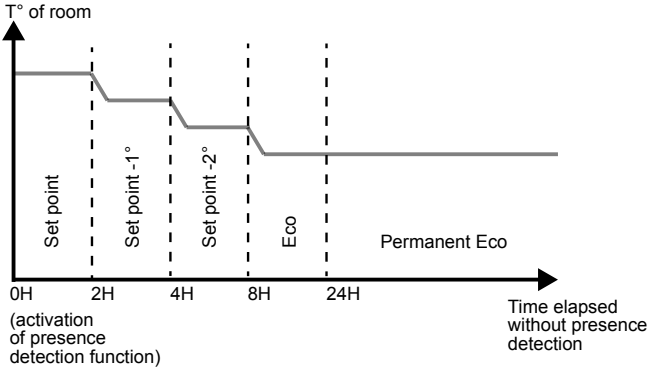
PLEASE NOTE:
• do not put furniture in front of your appliance;
• detection takes place up to 3 m from the radiator;
• detection only operates from 80 cm (height of detector) above the floor of the room.





After **24 hours** without detecting any presence, the function will remain in **Eco mode continuously** until a presence is detected once more.

Time (from activation)	Absence detected	Presence detected
Activation	Set point T°	Set point T°
After 2 hrs	Set point T° -1°C	Set point T°
After 4 hrs	Set point T° -2°C	Set point T°
After 8 hrs	Eco T°	Set point T°

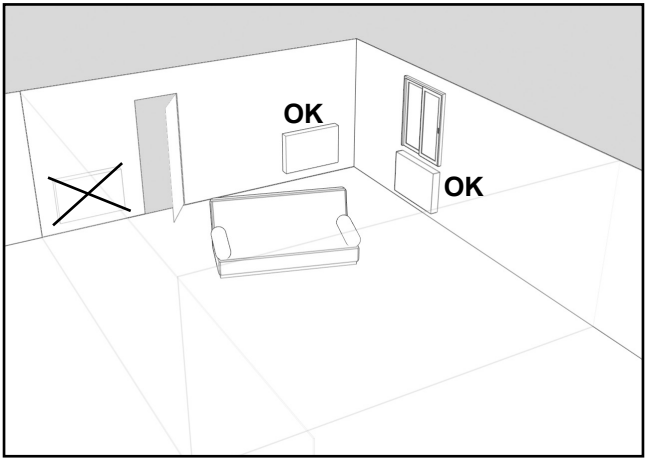


Detailed description of operation of the window open/closed function

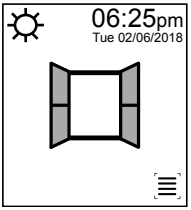
Your radiator may detect a significant drop in temperature, caused by a window standing open in winter, for instance. It then adapts its operation **automatically** so that you make energy savings.

IMPORTANT Your radiator should be placed close to the opening with no furniture or other object nearby, to make the best use of this function. The quality of the window open/closed function depends on a number of factors, such as the position of the appliance, how fast the temperature in the room rises/falls, the type of window, etc.

IMPORTANT The room temperature is measured near the radiator.



After opening a window, your appliance should detect the associated temperature drop within a reasonable period. It will then adapt its operating mode by switching automatically to the frost-free temperature (**7°C**).



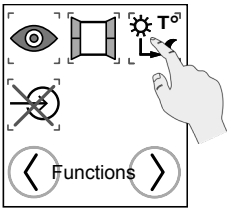
As soon as an open window is detected, your appliance displays the corresponding symbol in place of the temperature and the image.

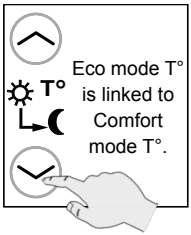
When your room temperature rises after the window is closed, the radiator should resume its operational state before detection was initiated (Comfort mode, for instance) within a reasonable length of time.

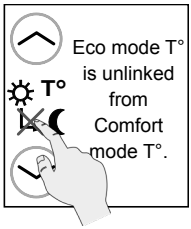
LINKING / UNLINKING ECO AND COMFORT T°

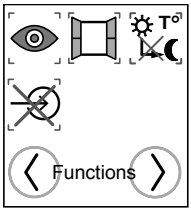
These temperatures are linked in the normal operating mode of your appliance. So it is **impossible** to change the Eco temperature level from the home screen or the Settings menu.

Unlinking these temperatures allows you to select the Eco temperature you want from the range allocated for this mode (**7 to 19°C**).







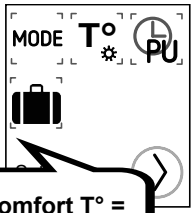


The Eco and Comfort temperatures are linked by default on your radiator.

If 

the Eco temperature setting is no longer accessible.

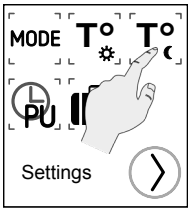
In this case, the Eco mode temperature is the same as the Comfort mode minus 3.5°C.



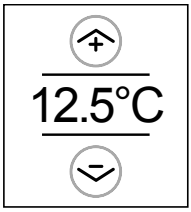
For instance if **Comfort T° = 19°C** while **Eco T° = 15.5°C**.

If 

then



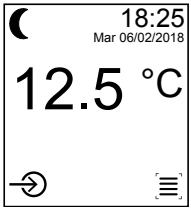
or



By default, the unlinked Eco temperature is 15.5°C.

There must be at least 1°C difference between the Comfort temperature and the Eco temperature (for instance, your Eco temperature cannot be higher than 18°C if your Comfort temperature is set at 19°C).

PILOT WIRE CONTROL UNIT



Your appliance is fitted with a pilot wire, so you can manage this from your main control unit if you prefer (see connection in ***page 47***).
Pilot wire operation is activated by default.

Your radiator can be controlled remotely from a pilot wire programming unit (not supplied with your appliance). The commands sent by the control unit are based on the temperature setting on your radiator: COMFORT -1°C, COMFORT -2°, ECO, FROST-FREE (LOAD-SHEDDING) & HEATING OFF (LOAD-SHEDDING).

Then refer to the manual of your programming control unit for further information on how to use your radiator with the control unit.

ATTENTION:
Any reduction in the heating level of your appliance, if an open window is detected, or there is no-one in the room, will end the next time the operating mode requested by the programming unit is changed.

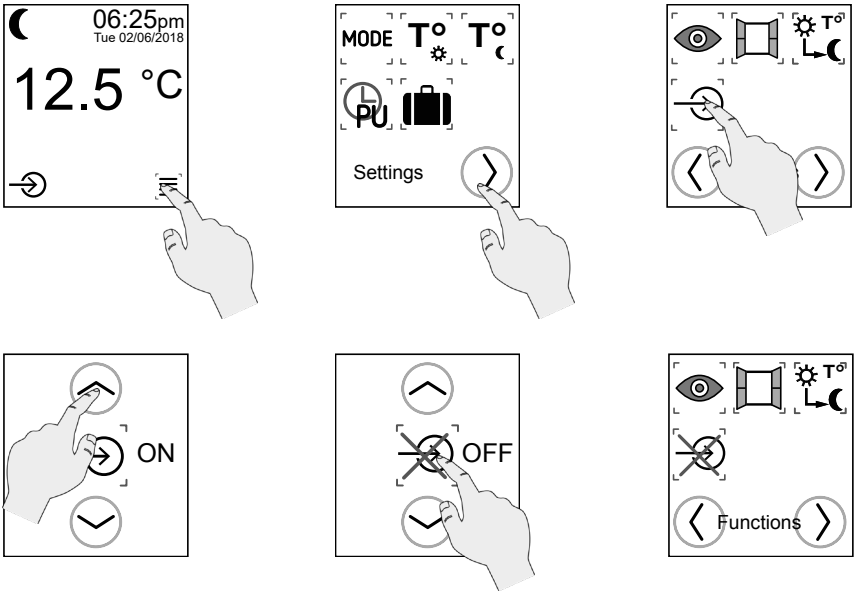
Commands received	Oscilloscopes Ref./Neutral	Mode obtained	Results obtained
No current		Comfort	The temperature obtained is that of the thermostat setting.
Alternation * no current: 4’57’’ * phase 230 V: 3’’		Comfort -1°C	The temperature obtained is that of the thermostat setting - 1°C.
Alternation * no current: 4’53’’ * phase 230 V: 7’’		Comfort -2°C	The temperature obtained is that of the thermostat setting - 2°C.
Complete alternation 230 V		Eco	Economy temperature.
Negative semi-alternance -115 V		Freeze protection	Freeze protection temperature of approx 7°C. Can be used for load-shedding.
Positive semi-alternation +115 V		Heating stop	Immediate stopping of appliance. Can be used for load-shedding.

Changes of mode ordered by a pilot wire control unit (not supplied with your appliance) will not be disabled by the lock function.

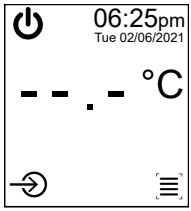
Depending on the type of installation you have, commands sent by the pilot wire control unit may take several minutes to be effective on your radiator.

To disable the pilot wire function:

You can disable the pilot wire function at any time from the screen on your appliance. The ⇾ icon will disappear, and you will then have normal control of your radiator via its touchscreen.

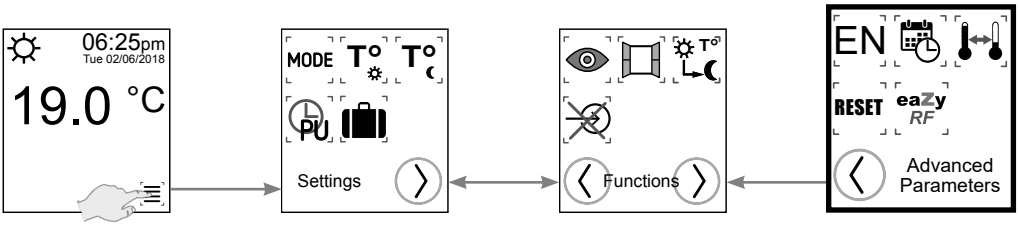


ATTENTION:
When your installation is fitted with a load-shedding system connected to the pilot wire input, it can send a **priority order** to switch to **stand-by** or **Frost-free** mode on your radiator. This still applies if the Pilot wire parameter is set to **Off**, see ***above***.
You will recover control of the operating modes of your radiator once the controller issues a different common.

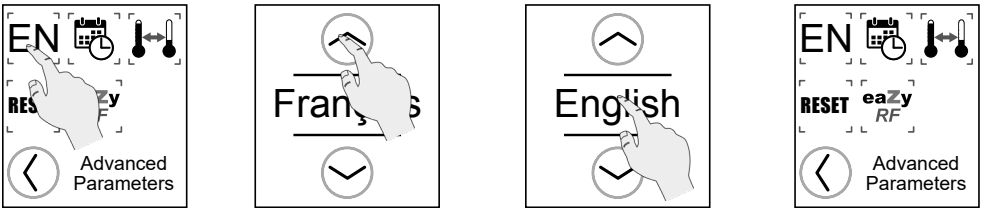


Concurrent use by pilot wire and connected mode are not compatible.

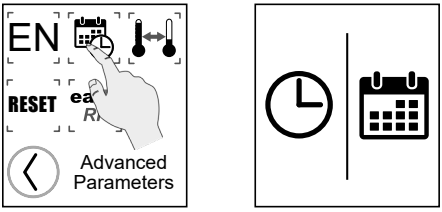
7. Advanced parameters menu



Selecting language: FR - EN - NL - DE

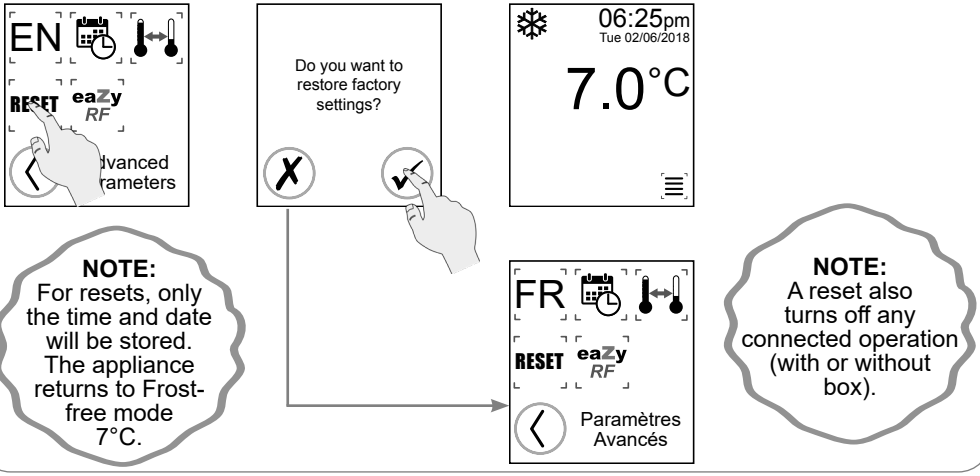


Setting date and time



Then see ***page 52***

Back to factory settings

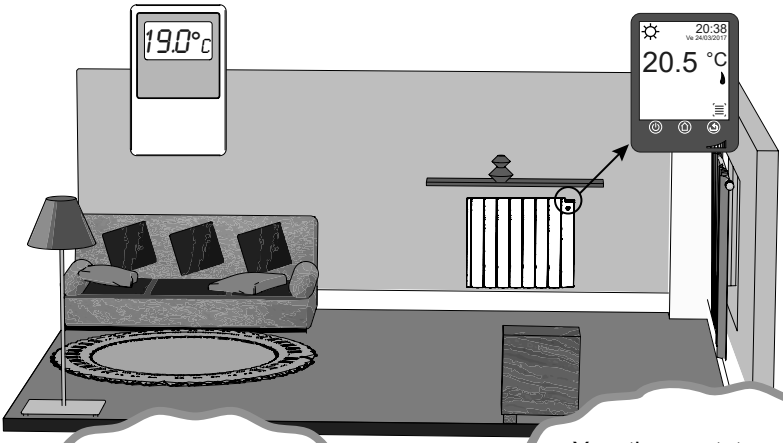


NOTE:
For resets, only the time and date will be stored. The appliance returns to Frost-free mode 7°C.

NOTE:
A reset also turns off any connected operation (with or without box).

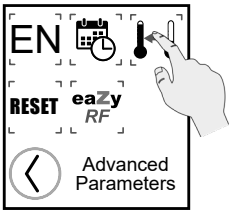
Calibration of temperature setting

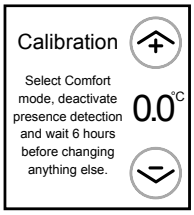
Once your appliance has been working for several days, if you notice a **difference** between the temperature recorded in your room and the temperature programmed on your appliance, you can calibrate your appliance in 0.1°C steps.



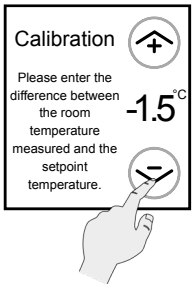
WARNING!
You must **deactivate** the presence detection function (***see page 61***) before calibration.

Your thermostat must be placed in the centre of the room at a height of about 1.30 m, without placing furniture between the thermostat and the radiator.

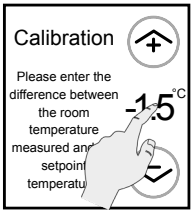




or

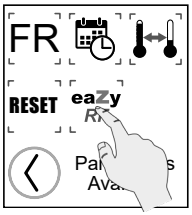


This procedure will only be fully effective after your appliance has operated for **at least 6 hours** in Comfort mode with no change of setpoint temperature or any other modification.



EXAMPLE:
You have a setpoint temperature of 20.5°C. You have a temperature of 19°C in your room, while the appliance is operating in Comfort mode.
So it has to be “forced” to measure 1.5°C less (19-20.5). Enter -1.5°C then click on the correction to confirm it.

Connected operation (EAZY RF modes)



You can opt to control your radiator via the home Zehnder Connect-Box and the Zehnder Connect app.

You can also connect several Fare Techs together to operate them centrally. Any command sent to one appliance will be immediately picked up by all the other appliance on the network you have created, which will thus all operate together in the same way.

Refer to the ***next section*** to find out how to carry out the two types of pairing.

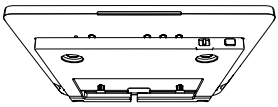
ATTENTION!
The two connected operating modes are not mutually compatible.
You can either connect appliances together (see ***section 8.2***), or control them via a Zehnder Connect-Box (see ***section 8.1***), but not both at the same time..

For example: you have already paired several appliances together, and now want to use them with a Zehnder Connect-Box. You must first reset the radiators concerned (see ***page 67***), so you can then pair them to the box.

8. Connected modes (Eazy RF)

8.1 Connect System (ZEHNDER Connect-Box)

Prerequisites: purchase of a Zehnder Connect-Box home unit and installation of the Zehnder Connect app (available for Android and iPhone).



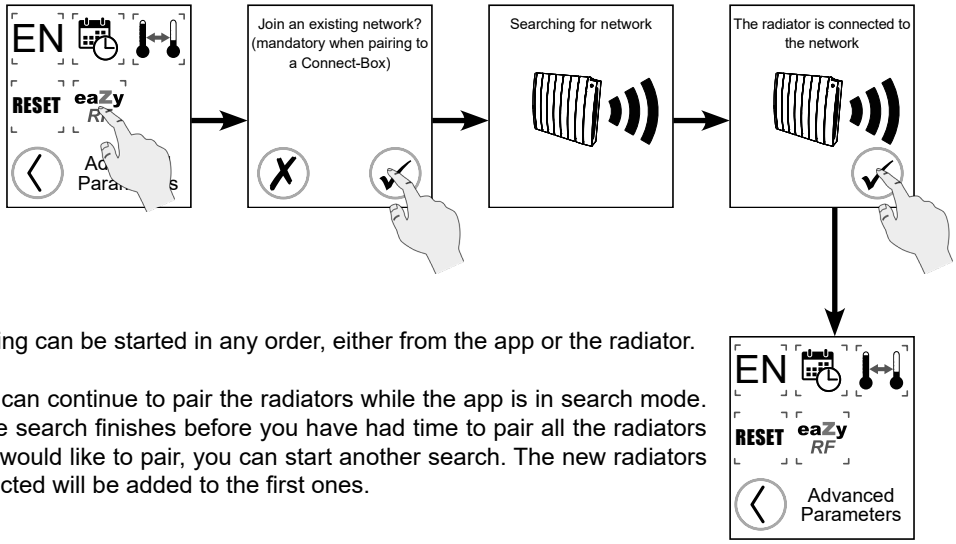
Download the app for Android

Download the app for iPhone

Then follow the instructions in the Connect-Box user manual, and follow the app's prompts to connect to it.

From the app's Settings menu, modify or create the rooms in your house from "Rooms and devices".
Then choose the room you want, and simply click on "Add devices" after preparing your radiator or radiators for pairing.

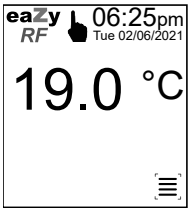
On Fare Tech:



Pairing can be started in any order, either from the app or the radiator.

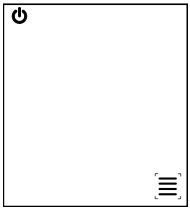
You can continue to pair the radiators while the app is in search mode. If the search finishes before you have had time to pair all the radiators you would like to pair, you can start another search. The new radiators detected will be added to the first ones.

Radiators paired via Connect-Box can only be controlled from the app. Some parameters will however still be accessible directly from the radiator:on/off, override, detection, T° association/separation, calibration, reset, language, key lock.



Quit Eazy RF mode:

- To unpair a radiator: delete the radiator from the app.
- Factory reset of the radiator (reset, see ***page 67***) will also end its pairing with the Connect-Box. There may be a delay before it also disappears from the app.
- **If the Connect-Box has to be reset, it is essential to also reset the radiators connected to it. They will also have to be paired again.**
- If there is a forced stop of you radiator, because the app is blocked, the advanced parameters reset function is still accessible to allow the radiator to be unblocked.

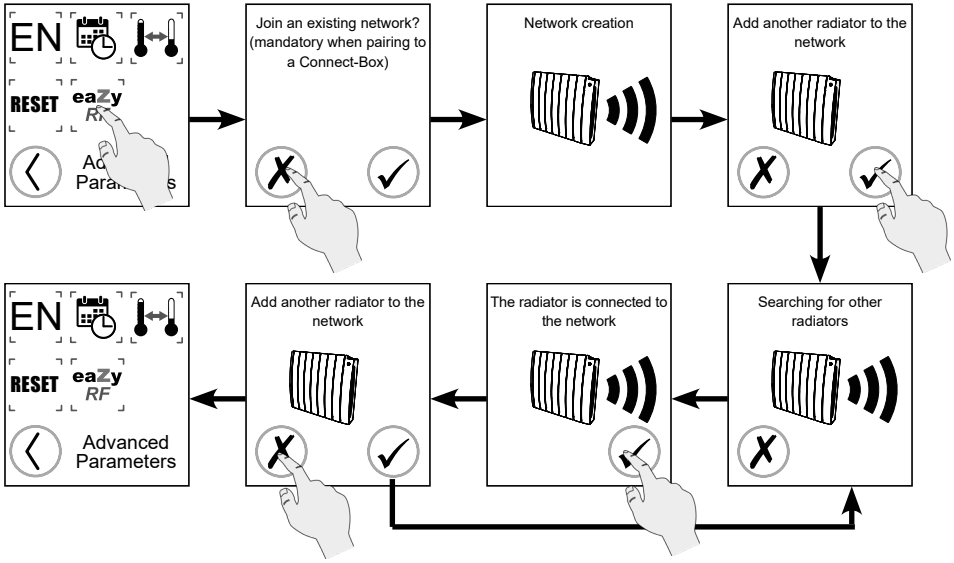


8.2 Eazy RF Fare Tech (without Connect-Box)

You can also have your Fare Tech radiators in contact with each other and working together if you do not have a Connect-Box.

A) First radiator to be paired (creating network):

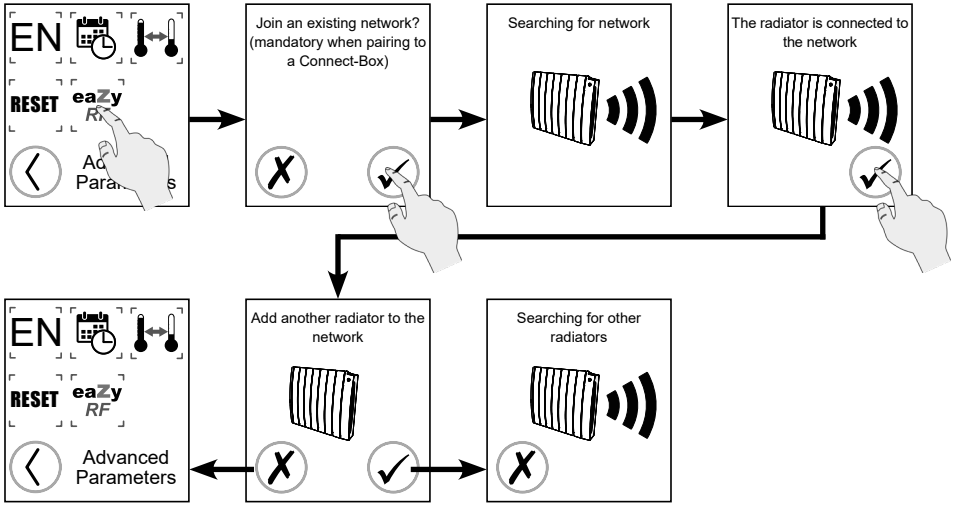
Eazy RF operation without Connect-Box requires a radio frequency network to be set up. This can be done from the first appliance you want to pair.



Begin pairing the other radiator(s) at the same time.
(see ***phase B on the next page***)

B) Adding subsequent radiators (to an existing network):

1) Connect to the network (created and opened in phase A) from the appliance(s) to be paired.



2) Paired radiators all operate together (except for calibration and enabling/disabling of detection functions).
Unlike the Connect-Box bode, the Eazy RF icon will not appear on the screen of your radiators while your radiators are connected and operating together.

3) For separate operation by room (for example), you can create several independent networks.

4) A radiator can be removed from the network any time by a simple factory reset (see ***page 67***). It then resumes operating independently.

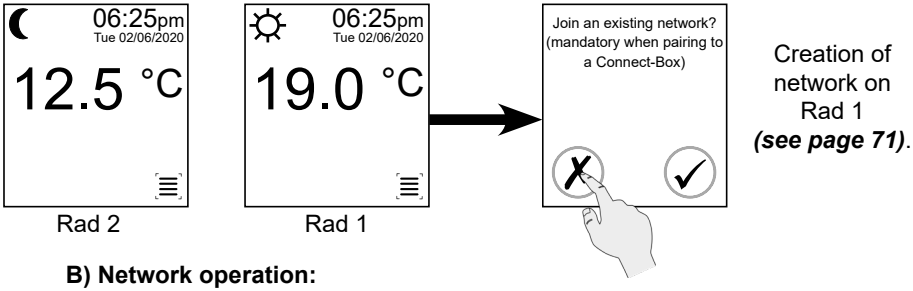
8.3 Operation of detection functions (window open and presence in the room functions)

	Activation / deactivation	**Relaying a positive detection**
Eazy RF	Individually by radiator	All radiators on one network
Connect-Box	Individually by radiator	All radiators in one room

ATTENTION:
A detection function just has to be active on one appliance in a network for it to be relayed to all the other appliances (even if their detection parameters are disabled).

8.4 Example of Eazy RF operation (without Connect-Box)

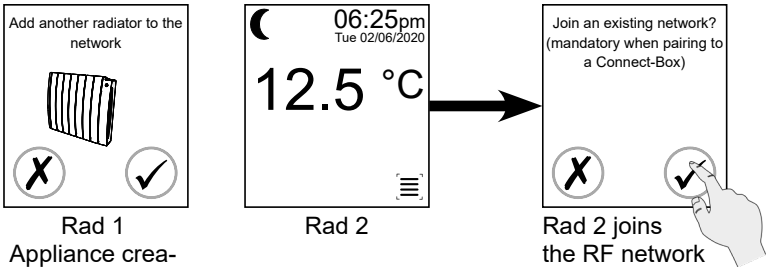
A) Before joining network:



Rad 2 Rad 1

Creation of network on Rad 1 ***(see page 71)***.

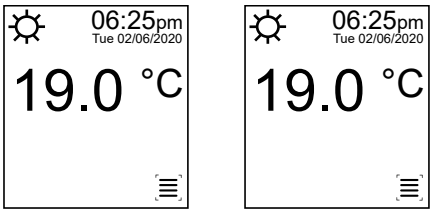
B) Network operation:



Rad 1
Appliance creating the network

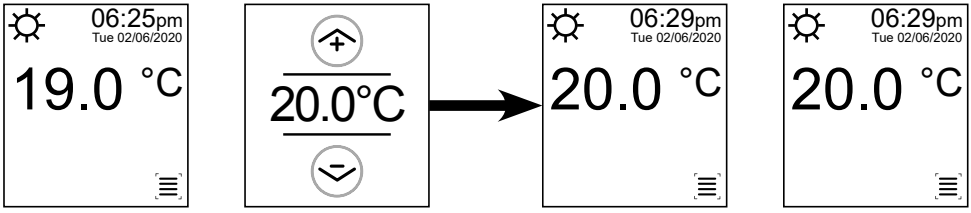
Rad 2

Rad 2 joins the RF network



Rad 1 Rad 2

REMINDER:
The 2 Eazy RF modes are not compatible.
Example: appliances controlled by a Connect-Box cannot be paired together.



Rad 2 Rad 2 Rad 1

Note:
There is no primary/secondary concept in Eazy RF without Connect-Box operation.
A change in operation or temperature occurring on any connected radiator will be sent to all other radiators on the same network.

9. Maintenance and troubleshooting advice

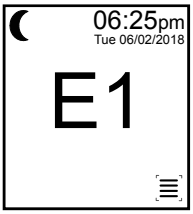
9.1 Routine maintenance

Choice of the best materials and surface treatment quality protects your appliance from corrosion and impact.

To ensure long life for your radiator, we recommend the following procedures:

- Do not use any abrasive or corrosive product for maintenance of external walls (away from electrical parts) but only warm, soapy water.
- For the casing of the control unit, use a dry (solvent-free) cloth.

9.2 Troubleshooting



Your radiator notifies you of problems with error messages displayed on the screen.

The following table shows the 3 error codes and actions to be taken:

Error message	Consequence	Diagnosis	Operations to be carried out
E1	The radiator stops heating.	Loss of contact with radiator controls: the graphics card is no longer communicating to the control card.	The appliance is blocked. Contact your dealer.
E2	The radiator stops heating.	Sensor fault: the control card is no longer receiving temperature measurement information.	The appliance is blocked. Contact your dealer.
E3	Your radiator controls are no longer accessible (except for on/off).	Communication lost with radiator control: the presence detector is no longer in contact with the control card.	Contact your dealer. See ***page 76*** to unblock the appliance.

OTHER PROBLEMS:

If your appliance is no longer operating, you can do some basic checks yourself, making sure that:

	Problem	Diagnosis	Operations to be carried out
CONTROLLER	The radiator is carrying out orders other than those programmed on the pilot wire control unit.	A controller operating error has occurred.	Check the operating conditions for your pilot wire controller in its manual.
	The radiator only accepts load-shedding commands from the pilot wire control unit.	The radiator is operating in Connect-Box mode.	Leave Connect-Box mode if you want your control unit to send Comfort/Eco commands to your radiator.
RADIATOR	A clicking sound is heard when the appliance is heating.	This is a perfectly normal phenomenon.	None.
	The time and date are flashing.	The time and date have never been set OR an extended power failure may have occurred.	Reset the time and date ***(see page 52)***
	The radiator is not operating or not heating.	The radiator is not powered up.	Check the radiator is properly connected to its power supply. Contact your dealer if the appliance is still not working.
		The radiator is in standby mode.	Turn the radiator on.
		The setpoint temperature is below the ambient temperature.	Increase the setpoint temperature (COMFORT mode).
		The load shedding function is activated and has stopped the radiator heating.	Wait for load shedding to finish.
	The room temperature does not match the temperature required.	The radiator needs to be calibrated.	Calibrate your remote control (see ***page 68***) to align the temperature measured in the room by the radiator with that measured by your thermostat.
	The change of mode or temperature (COMFORT mode) is not operating.	The appliance's control interface is locked.	Deactivate touchscreen and key lock (***see page 50***).

	Problem	Diagnosis	Operations to be carried out
	The radiator continues to heat when a window is open.	The “Window open detection” function is not activated.	Activate the function.
	The window open detection function is not operating properly.	The architecture of the room, or the type of window (e.g. skylights) may affect the window opening detection function.	Deactivate window open detection if it does not suit the architecture of the room.
RADIATOR (cont)	The appliance is operating in frost-free mode unnecessarily.	The window open/ closed detection function is activated, and an open window has been detected.	Deactivate the window open/ closed detection if you do not want your appliance to switch automatically to frost-free mode. (***see page 61***)
	The appliance temperature falls, although presence detection is activated and there are people in the room.	This function may be affected by furnishings or decorative features in the immediate vicinity of the detection unit.	Move anything that could affect presence detection away from the appliance.
	The symbol E3 appears, and the controls of your appliance are blocked.	Communication fault with the radiator control: the presence detector is no longer communicating with the control card.	Contact your dealer. To unlock your appliance's operation: - turn it off; - turn it on again; - you have one minute to deactivate the presence detection function in menu 2 (***see page 61***) and resume normal operation; - otherwise, the E3 warning will reappear after one minute.

	Problem	Diagnosis	Operations to be carried out
RADIATOR (cont)	The radiator is not working in the mode required or is displaying a different T° from that initially programmed.	The radiator may be part of a network.	Check that another radiator is not displaying the same information. If it is, make a change, and see if that is relayed to the radiator concerned. If your radiator is connected, and you don't want it connected any more, do a factory reset (see ***page 67***).
		The radiator may be connected to a Zehnder Connect-Box. In this case the Eazy RF icon will be displayed at top left of the screen.	The radiator is controlled by the Zehnder Connect app. If you don't want it to be controlled by the Zehnder Connect app any more, delete the radiator from the app (preferred method) or do a factory reset (see ***page 67***).
	It is impossible to access some functions (for example, change mode or set time).	The radiator may be connected to a Zehnder Connect-Box. In this case the Eazy RF icon will be displayed at top left of the screen.	The blocked functions can be controlled from the app.
	A warning message is displayed on the welcome screen when the radiator starts up.	Problem with the touch screen.	Turn off power to the radiator for 5 minutes, then restart it. The radiator will then start normally.
	The radiator's on/off button is disabled.	Your radiator is controlled by a Connect-Box and the app has a bug.	It is still possible to perform a reset via the menu access icon on the touch screen. Your radiator will then begin operating independently again.
	In general, any time there is a problem.	Default.	Switch off the power to your appliance at the electricity meter for a few minutes. If that does not resolve the problem, refer to the other FAQs.

9.3 In case of power failure

	Duration of outage	Consequences	Operations to be performed
RADIATORS (independent or paired)	Less than 10 minutes	- The appliance stores the date and time. - It restarts in the operating mode prior to the power outage.	None.
	Over 10 minutes	The appliance was operating in Comfort, Eco or Frost-free mode before the outage: - The appliance loses the date and time. - It restarts in the operating mode prior to the power outage.	- Reset date and time (***see page 52***). - If necessary, recreate your customised functions (PU, Travel mode) and settings (calibration, etc).
		The appliance was operating in a programmed mode before the outage: - The appliance loses the date and time. - The appliance restarts in Frost-free mode.	
CONNECT-SYSTEM	All periods	The app may take about ten minutes to “find” the radiators operating with a Connect-Box. They will appear crossed-out until then.	If the app is still not displaying the radiators after fifteen minutes, exit the app completely, and open it again. If the display is the same, delete the radiators from the system (delete in the app + reset) and pair them again.
	Partial power failure	The radiators in one room (in the app) are no longer showing the same operating temperature on their screens.	The Connect-Box is still in control of the radiators. If some radiators are no longer powered while a temperature override is active, they will restart at the temperature requested in the app, and not at the override temperature.

10. Services and guarantee

After-sales service

If your appliance stops working or you require spare parts, contact your installer or dealer.

Prior to making contact and to ensure your problem is dealt with quickly and effectively, please make a note of:

- the details shown on the appliance's nameplate;
- the sales reference for your appliance shown on your dated purchase invoice.

Guarantee

(*See general conditions of sale for your country*)

The heating body of your electric radiator is guaranteed against manufacturing defects for five (5) years from the date of purchase, while the other components are guaranteed for two (2) years.

Dated proof of purchase must be presented to activate the guarantee. The guarantee does not cover radiator transport, removal and installation costs.

The guarantee shall not apply if the appliance is installed, used or maintained in a way that does not comply with standards in force in the relevant country, good professional practice, or the manufacturer's instructions.

Disposal of end-of-life electrical and electronic appliances. This symbol indicates that this product should not be disposed of with household waste. It must be taken to a suitable collection point to be recycled. By disposing of this product correctly, you will help prevent potential negative consequences for the environment and human health.

Technical characteristics measured and calculated in accordance with REGULATION (EU) 2015/1188.

Model identifier(s): TADE-xxx-xxx/CF, TADE-xxx-xxx/CP

Item	Symbol	Value	Unit
Heat output			
Nominal heat output	P nom	0.5 to 2.0*	kW
Minimum heat output (indicative)	P min	0.0	kW
Maximum continuous heat output	P max, c	0.5 to 2.0*	kW
Auxiliary electricity consumption			
At nominal heat output	el max	0.000	kW
At minimum heat output	el min	0.000	kW
In standby mode	el sb	0.00063	kW
	el sb	0.63	W
Type of heat output/room temperature control			
Item	Unit	Further information	
Electronic room temperature control plus week timer	Yes		
Other control options			
Room temperature control, with presence detection	Yes		
Room temperature control, with open window detection	Yes		
With distance control option	Yes		
With adaptive start control	No		
With working time limitation	No		
With black bulb sensor	No		
Contact details	ZEHNDER GROUP Grânichen AG Oberfeldstrasse 2 5722 GRÄNICHEN Switzerland www.zehndergroup.com		

Zehnder brand radio-frequency
Reference: 40015936
Model: board PVA-012
Hardware: Rev. 4.2
Power: 10 dBm
Transmission: 868.15 MHz to 868.25 MHz
Temperature operating temperature: 0°C +40°C
Appliance powered at: 230 V

* By model (500, 750, 1000, 1250, 1500 or 2000W)