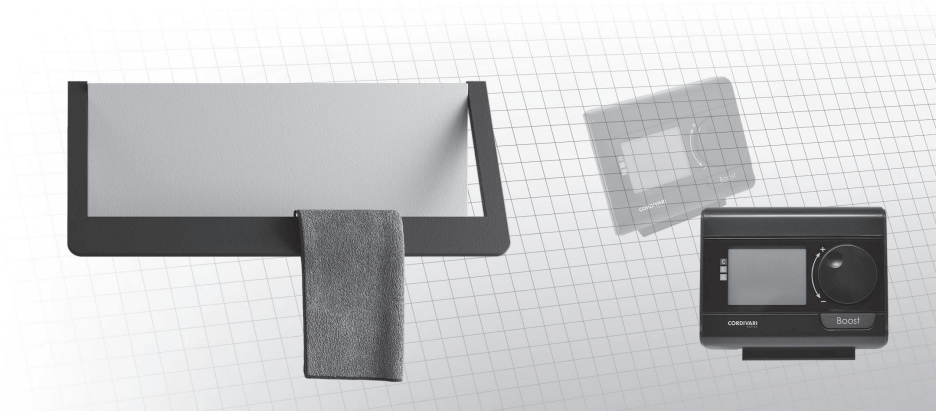
CORDIVARI
DESIGN

User manual



Model:

Window 1100 Elettrico
Window 1100 Electric
Window 1100 Électrique
Window 1100 Elektrisch
Window 1100 Eléctrico
Window 1100 Elétrico

www.cordivari.com
www.cordivaridesign.com

Code 1910000000356 - nv02

User manual

1. General warnings

Dear Customer,
Thank you for choosing our product. Carefully read the instructions before installing and/or using the appliance.

• It is recommended to have all installation and adjustment operations performed by qualified personnel.

• Once the product is removed from the package check its integrity. If the product is damaged, do not use it and contact the Cordivari assistance network.

• Before making any connection make sure the supply voltage corresponds to the voltage stated on the characteristic label placed on the appliance.

• If the power supply cable is damaged, contact the manufacturer or its technical assistance service to have it replaced, or, in any case, have the operation carried out by a person with similar qualification in order to prevent any risk.

• For the Fil Pilote version without plug, the mains supply, in accordance with the installation rules, must incorporate devices that ensure disconnection from the omnipolar mains, i.e. having a contact opening distance that allows for complete disconnection under overvoltage category III conditions.

• WARNING - To avoid hazardous situations for little children, it is recommended to install the product so that the lowest heating tube is at a height of at least 600 mm from the ground

• Children aged between 3 and 8 are only allowed to turn the appliance on/off, provided that it has been placed or installed in the normal intended operating position and that they have been supervised or instructed on safe use of the appliance and understand the hazards involved. Children aged between 3 and 8 must not connect, adjust and clean the appliance or perform user maintenance.

• WARNING - Some parts of this product may become very hot and cause scalding. Pay extra care when children or vulnerable people are present.

• Unsupervised children under the age of 3 must be kept at a safe distance from the appliance.

• This appliance cannot be used by children aged 8 years or older and by people with

reduced physical, sensory and mental capabilities, or with no experience and the required knowledge unless they are supervised or they have received instructions on the safe use of the appliance and have understood inherent hazards.

• Children must not play with the appliance;

• Cleaning and maintenance operations is intended to be carried out by the user and must not be carried out by children without supervision;

• Keep children away from the power cable;

• During opening or closing, the handle may cause injury;

• It is forbidden to sit, climb or hang from the handle when it is open;

• When opening and closing the handle, pay attention to children and people/animals in the vicinity;

• Risk of injury! Due to their small fingers, children can injure themselves in the space between the handle and the body of the towel warmer when closing it. Keep children away;

• Never let children play with or use the product;

• Do not install the appliance near curtains, other flammable materials, fuels or pressurised containers;

• Drying washed fabric on the Electric Radiators is not recommended;

• In case of accidental overheating and/or misuse, the heating element circuit can be cut off. In this case, the radiator is no longer usable and must be replaced.

• The radiator must be positioned so that the electronic control can perfectly detect the room temperatures, far from external heat sources.

1.1 Manufacturer liability

The manufacturer declines any liability for damages to persons and property caused by:

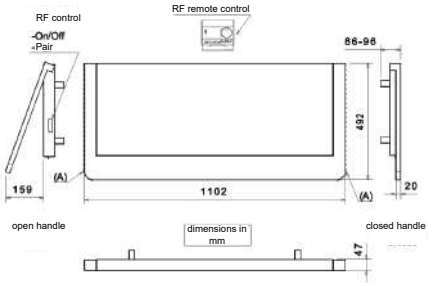
- **Use of the appliance other than intended;**
- **Non-observance of the user manual instructions;**
- **Tampering with even just one part of the appliance;**
- **Use of non-original spare parts**

1.2 Disposal

At the end of its working life, this appliance must be delivered to the special collection facilities for recycling, since it is not a standard domestic waste. In case of replacement, it can be delivered to your distributor.
This management of the end of the life of a product allows us to preserve our environment and to limit the use of natural resources. This symbol, applied on the product, indicates the obligation to deliver the product at the end of its working life to a special collection facility, in compliance with Directive 2012/19/UE.

2. General information

The user instructions as per this booklet refer to the Cordivari Design electric towel warmer model Window 1100 E.



The exclusively designed electric Window 1100 towel warmer combines aesthetics and functionality and promotes a rational use of space in the room where it is installed. In fact, it is equipped with a heated movable handle, which can be opened when needed, acting as a support for heating towels, or remain closed, when this function is not required, reducing the space occupied and emphasising the aesthetics. The handle opening and closing is manual. The handle is held in the two positions (open/closed) by gas springs. The vertical parts of the handle and the two vertexes (A) are not heated. Conscious use of the product in accordance with the warnings given in section 1.0 of this document is recommended in order to avoid crushing and/or injury to the hand or fingers. The maximum weight that can be placed on the handle, or it will be closed, is 5 kg. The product is managed by radio frequency electronics consisting of two elements.
The power unit is located at the rear right part of the product, and the RF remote user interface allows to set and programme the desired parameters and/or functions.

3. Technical features

- Supply voltage 230 Vac 50 Hz.
- Maximum power 450 W.
- IP44 protection rating IP44.
- Electrical insulation class: Class II, after installation under the responsibility of the installer.
- Dry heating element positioned on the radiator body and on the movable attachment (handle)
- Consumption in standby mode: < 0.5 W.
- Electronic PID (Proportional-Integral-Derivative) controller, activated by a relay+triac.
- Radio Frequency: 2.4035 Ghz / 2.4055 Ghz / 2.4075 Ghz
- Maximum RF transmitter power: <1mW
- Receiver category: III
- Power supply cable:
  - Version with Schuko plug L 1000 mm
  - Version with Fil Pilote L 800 mm without plug - 3 conductors

The black cable is a communication cable that can only be used in France. **It cannot be grounded. It must always be protected.**

- Ambient temperature from 0°C to +40°C
- Humidity: max. 85% at 25°C
- Storage temperature from -20°C to +60°C

4. User information

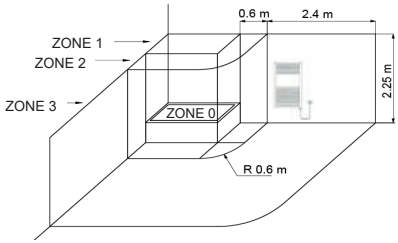
To clean painted radiators, use only a non-abrasive cloth soaked in water.
Never use detergents or aggressive substances. Avoid any other basic or acidic solution, chemical, industrial or other substances, aggressive or corrosive substances (bleach, ammonia, baking soda...). Do not use abrasive cloths or sponges.

5. Installer information

This product is subject to the general warranty conditions set forth in the current official Cordivari catalogue. The warranty is valid from the date of delivery and is void if the production batch label is tampered with and/or removed. The warranty applies after the examination of defects and their causes. The material to be replaced or repaired shall be delivered ex-warehouse at the dealer. The commitment to provide the warranty is subject to the conditions and requirements described below.
The radiator has not been damaged during transport, handling or installation and no repair and/or tampering has been carried out by third parties without express authorisation. Before installation, the material has been stored in good conditions and under shelter form the weather. Product installation must be carried out by qualified personnel and in compliance with these instructions and all national and local regulations concerning installation and safety. Do not place the radiators in rooms with chlorine vapours or corrosive fumes, e.g. pools, saunas, thermal pools.

6. Positioning in bathrooms

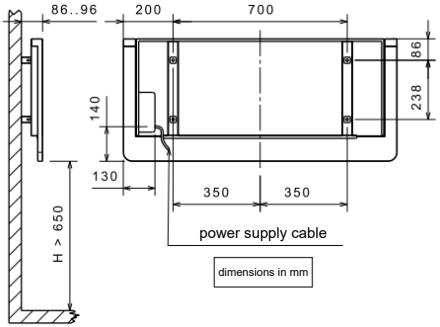
Since Cordivari electric radiators are provided with a heating element having Class II insulation and IP44 minimum protection rating, they can be positioned in hazardous zone 3 (see figure). In any case, always refer to national installation regulations. The power socket and the differential switch must be positioned in zone 3 and no electric control element must be accessible by a person using the shower or the bath tub.



Position the radiator so that no obstacle is present at a minimum distance of 100 mm from the equipment.

7. Wall mounting

Wall mounting of electric radiators must be carried out according to the instructions contained in the fastening support package and the figure below. The fastening systems (screws+blocks) are suitable for compact walls or hollow brick walls. For walls made of different materials, the installer is responsible for the use of suitable fastening systems. Do not position the radiator in front of the power socket. The radiator must not be installed immediately below a power socket.



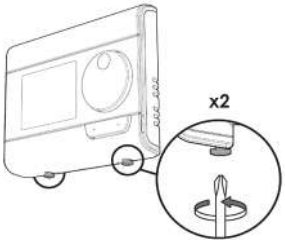
8. Connection

Before connection, make sure that the equipment rated voltage (230 Vac 50 Hz) is equal to the mains voltage, and that the socket is able to provide the rated current corresponding to the maximum power of the model selected. Moreover, such socket must be controlled through a double-pole switch used to switch the radiator on and off. In case of damage, the power cable of these radiators can be replaced. Such repair must be carried out solely and exclusively by the manufacturer.

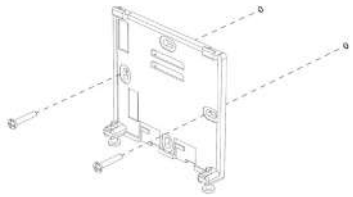
9. Installing the RF remote control

The RF remote control can be installed either on the wall or placed on a table using the table stand.

- **Wall installation:**

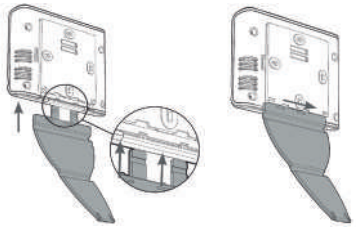


a) Unscrew the 2 screws under the thermostat and remove the wall support.



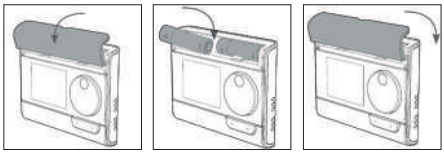
b) Fasten the panel to the wall with the two screws supplied, using the horizontal and vertical holes

- **Table stand**



a) Insert the 2 pins into the wall panel
b) Slide the support to the right

- **Installation of batteries**



a) Remove the battery compartment cover on the front of the thermostat
b) Insert the 2 AA batteries supplied. When inserting batteries, take care that the polarity is correct, according to the indication on the thermostat
c) Reposition the battery compartment cover

10. RF receiver/remote control connection

The RF remote control and RF receiver are not connected as standard.
A maximum of 5 RF receivers can be connected to each RF remote control, i.e. five different products which, however, will work in the same mode and with the same settings.

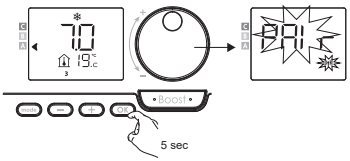
- **RF connection**

a) Switch on the receiver by pressing the key
b) Activate the connection mode on the receiver by pressing the memo key for 5 sec.

The LED indicator on the receiver will start flashing in RED

c) Activate the connection mode on the remote control by

activating the frost protection mode by pressing the mode key 3 times and then OK for 5 sec.



d) When the remote control and RF receiver are connected, the symbol is steady on

e) To cancel the connection, press the memo key for more than 10 seconds on the RF receiver

Table showing the connection status between remote control and receiver

RF communication status	**LED status and colour**
Stand-by	Off
No RF connection	Red
RF connection	Flashing red
RF connection cancellation	Quick flashing red
RF connection OK	Green
RF message received	Green - quick flashing for 1 sec.

Table indicating the operating mode

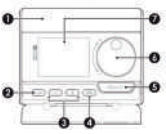
RF communication status	**LED status and colour**
Stand-by	Off
Switching on	Green
Heating on	Red
Boost	Flashing red
Frost protection, open window detection	Flashing green
Manual activation (MEMO button)	Flashing orange

11. Using the Receiver without remote control

By controlling the receiver alone, the towel warmer can be switched on manually and temporarily. With a quick press of the button: Light 1 turns on. Then, with subsequent presses, light 1 will switch from on (relay on) to off (relay off) in sequence. This manual command will be cancelled on the next order received. If there is no remote control paired, the surface limitation function is not active. The duration of forced mode is 1 hour max. The appliance is designed to be safe both during normal use and under abnormal conditions, whatever the state and setting of the surface limitation function.

12. Description of RF Receiver and Remote Control

- **Remote Control Buttons**



1) Battery compartment
2) Mode =>Selection of the operating modes
3) + and - buttons used to set temperatures, date, time and weekly program
4) OK => Save settings
5) Boost button
6) Temperature selection knob
7) LCD display

- **Description of display indicators**

Modes of operation

auto Auto mode Comfort mode
Eco mode Frost protection mode
date and time setting mode
prog Programming mode Settings

days of the week
(1=Monday...7= Sunday)

(1) Current ambient temperature / surface temperature limitation
(2) Energy consumption
(3) Surface temperature limitation/current ambient temperature
(4) Boost light indicator
(5) Open window detection occupation indicator
(6) Keypad locked
(7) Days of the week
(8) Operating modes
(9) Heating indicator
(10) Pilot wire indicator (France only)
(11) Low battery indicator
(12) Radio transmission indicator
(13) Min/max value indicator

	Switching on/ standby mode
	Connection - manual heating start

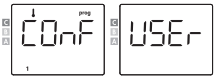
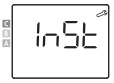
13. Heating with ambient temperature setpoint or surface temperature setpoint

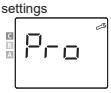
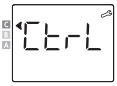
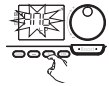
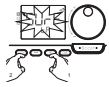
This towel warmer allows to choose two operating modes:

- Heating with “Ambient temperature setpoint”: In this mode, ambient temperature control is implemented with a limitation of the product surface temperature.
- Heating with “Surface temperature setpoint”: In this mode, surface temperature control is implemented with a limitation of ambient temperature.

The default mode is Heating with ambient temperature setpoint.

- **Mode setting:**

Press the Mode key on the remote control for 5 sec	
The information screen is displayed	
Shortly press the Mode key on the remote control twice	
The information screen is displayed COnF upon first pressure USEr upon second pressure	
Confirm by pressing OK key for 10 sec	
The information screen is displayed	
Press + and OK keys at the same time for 10 seconds	

The Pro screen (advanced installer settings) is displayed	Pro = Advanced installer settings 
Press OK to confirm	
The information screen is displayed CtrL flashes	
The AMB tP information screen is displayed	
Press - or + buttons to switch between modes	
Press the Mode button 3 times to confirm and quit	

14. Operating modes

Before performing any setting procedure, make sure the keyboard is unlocked.

14.1 Access/Standby mode

When the device is in standby mode, 2 lines are shown on the remote control display. To quit the standby mode, press the standby button (refer to the instruction manual of the device).

14.2 Selection of the operating mode

The mode button allows to adapt the device operation programming to your needs, depending on the season, whether the house is occupied or not. Select the desired mode by pressing the mode button one or more times.

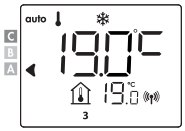
Mode sequences:

auto	🌡	🌡	❄
Auto	Comfort	Eco	Frost protection

General mode description:

- **auto mode**

In automatic mode, the device automatically switches from Comfort mode to Eco mode according to the set program.



Three different cases depending on the settings:

1. Weekly and daily program

The device has been programmed and is performing Comfort and Eco mode commands in line with the selected settings and time periods (see chapter “Integrated weekly and daily program”).

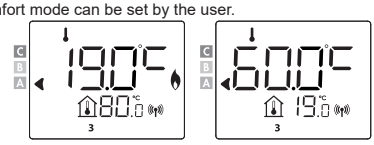
2. Control through communication cable (Fil Pilote, France only)

3. Weekly program not set

If the weekly program is not set, the radiator will operate permanently in Comfort mode.

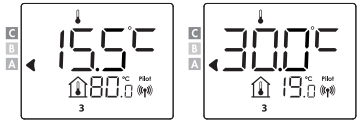
🌡 Comfort mode

Non-stop comfort mode. The device will run 24 hours a day to reach the set temperature (e.g. 19°C in case of heating with ambient temperature setpoint and 60°C in case of heating with surface temperature setpoint). The temperature level of Comfort mode can be set by the user.



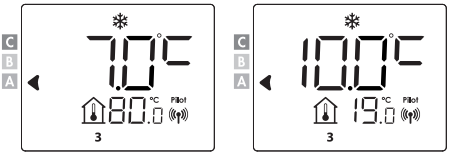
- **🌡 Eco Mode**

Eco mode results in a reduction of Comfort mode temperature by 3.5°C in case of heating with ambient temperature setpoint mode and reduced by 3.0°C in case of heating with surface temperature setpoint mode. This allows to lower the temperature without changing the Comfort mode setting. Select this mode for short absences (between 2 and 24h) and at night.



- **❄ Frost protection mode**

This mode allows you to protect your home against the effects of cold (frozen pipes, etc.) while maintaining a minimum temperature of 7°C at all times with ambient temperature setpoint, 10.0°C with surface temperature setpoint. Select this mode for long absences (more than 5 days).



14.3 Boost function

Important: Boost mode can be activated at any time, regardless of the operating mode used (Auto, Comfort, Eco or Frost Protection).

To activate Boost mode, press [Boost].

In the first minute, it is possible to change the Boost duration from 0 to the maximum duration of the function by pressing [+] and [−].

This change will be saved and executed at the next Boost.

The desired temperature is set to the maximum for the required time period.

- **First pressure: Boost**

Notes: After 1 minute, it is possible to temporarily change the duration: it is valid only for the active Boost, therefore not recurring.

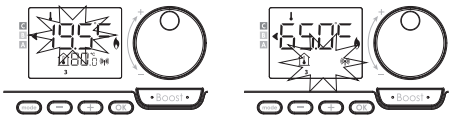
If the ambient temperature reaches the maximum Boost temperature, the device switches off but the Boost mode remains active. The remaining time remains displayed, the Boost symbol and the heating indicator flash on the display. When the temperature falls below the maximum permitted value, the Boost mode restarts until the remaining time is over.

To deactivate Boost mode, press [Boost] again.

The cursor moves to the previous active mode and the set temperature is displayed.

14.4 Comfort temperature setting

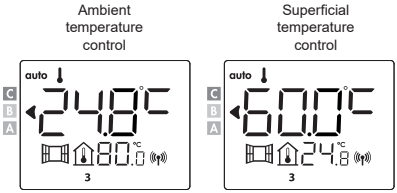
The Comfort temperature can be set from automatic and Comfort modes. The default temperature is 19°C. Use the [+] and [−] keys to adjust the temperature from 7°C to 30°C in 0.5°C intervals in case of heating with ambient temperature setpoint.



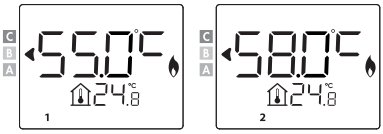
From 20°C to 80°C, in 5°C intervals, in case of heating with surface temperature setpoint.

14.5 Displaying measured surface temperature

From Auto mode:
Press +



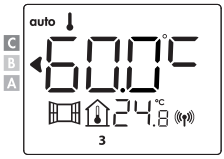
Press + or − to select the radiator (in case several devices are connected to the RF control)



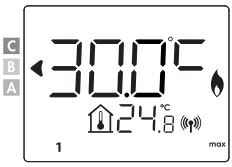
Press OK or menu to return to Auto mode

14.6 Displaying ambient temperature limitation

From Auto mode:
Press −

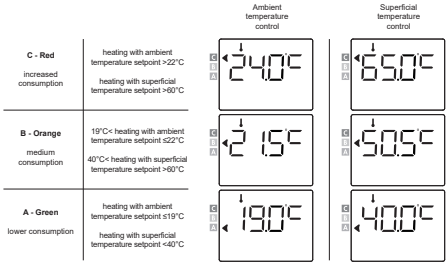


Press OK or menu to return to Auto mode



14.7 Energy consumption

The indicator is displayed in Auto, Comfort, Eco and Frost Protection modes, regardless of the temperature level



- **Displaying the estimated energy consumption in KWh**

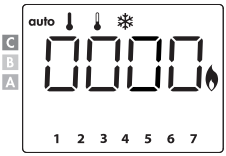
To view this estimate, from Auto, Comfort, Eco or Frost Protection mode, press OK. To exit the consumption display mode: press any button, the device automatically returns to the previously active mode.

- **Resetting the energy meter**

To reset the energy meter from Auto, Comfort, Eco or Frost Protection mode, proceed as follows:

- **Press OK**
- **Press simultaneously + and − for more than 5 seconds**

To exit the energy meter reset, press any button, the device automatically returns to the previous active mode.



14.8 Locking / Unlocking

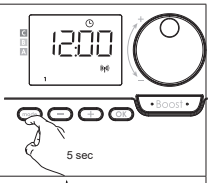
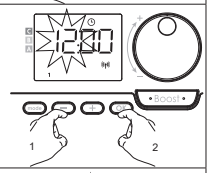
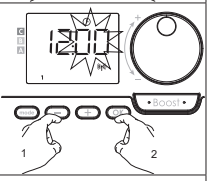
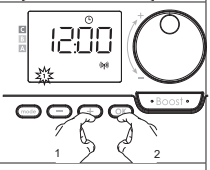
- **Keypad lock**

To lock the keypad, press the + and − buttons and hold them for 10 seconds. The padlock symbol is displayed. The keypad is locked.

- **Keypad unlock**

To unlock the keypad, press the + and − buttons and hold them for 10 seconds. The padlock symbol is displayed. The keypad is unlocked.

14.9 Date/Time Setting

From Auto, Comfort, Eco or Frost Protection mode, press MODE for 5 seconds. The cursor moves to the day to be set and Time mode.	
The two digits of hour flash. Select the time by pressing + and −. Save by pressing OK	
The two digits of minutes flash. Select the time by pressing + and −. Save by pressing OK	
The cursor flashes on number 1 (representing Monday). Select the date by pressing + and −. Save by pressing OK	

1.	Monday	5.	Friday
2.	Tuesday	6.	Saturday
3.	Wednesday	7.	Sunday
4.	Thursday		

To change and/or assign a program press MODE
To exit the day and time setting mode, press MODE 3 times

14.10 Program overview

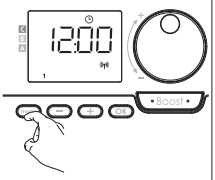
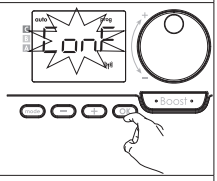
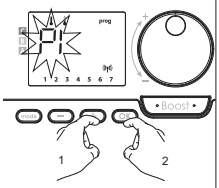
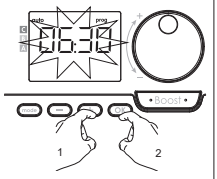
Comfort → Eco → P1 → P2 → P3

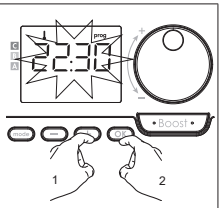
The default control setting is non-stop Comfort for 7 days a week.

Comfort: the device operates in Comfort mode 24 hours a day, for each selected day.
Eco: the device operates 24 hours a day in Eco mode.
Note: temperature lowering parameters can be set, see user settings.
P1: the device operates in Comfort mode for 1 time interval, e.g. from 6 am to 10 pm (and in Eco mode from 10 pm to 6 am).
P2: the device operates in Comfort mode for 2 time intervals, e.g. from 6 am to 9 am and from 4 pm to 10 pm (and in Eco mode from 9 am to 4 pm and from 10 pm to 6 am).
P3: the device operates in Comfort mode for 3 time intervals, e.g. from 6 am to 8 am, from 12 am to 2 pm and from 6 pm to 11 pm (and in Eco mode from 11 pm to 6 am, from 8 am to 12 am and from 2 pm to 6 pm).

Note: If the standard times of P1, P2 and P3 do not suit you, you can change them, but this time it applies to all days of the week in which P1, P2 or P3 are set.

14.11 Setting the weekly program

1	From Auto, Comfort, Eco or Frost protection mode, press MODE for 5 seconds. When the cursor moves to the time setting symbol, press briefly MODE.	
2	Press + or − to set the weekly program.	
3	Select the desired program with + or −. If desired, standard times can be adjusted: press OK for at least 5 seconds. If standard times apply: press OK to set the next day (go to point 4).	
3.1	The start time flashes and, with + or −, this time can be changed in 30-minute intervals. Press OK to save.	

3.2	The end time flashes and, with + or −, this time can be changed in 30-minute intervals. Press OK to save.	
4	The second day (Tuesday) flashes. Repeat the procedure described above for each day of the week.	
5	After selecting a program for each day, confirm your selection by pressing OK. The days of the week are displayed on the screen with the programs you set for them. Press Mode twice to exit programming mode and return to “Automatic mode”. If no button is pressed for several minutes, the unit automatically returns to “Automatic Mode”.	

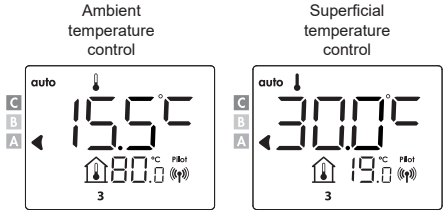
14.12 Displaying the set weekly program

From Auto, Comfort, Eco or Frost Protection mode, press Mode for 5 seconds. Press Mode twice (Comfort, Eco, P1, P2 or P3) on the display in front of the user to scroll through the program for each day of the week (Comfort, Eco, P1, P2 or P3). To exit program display mode, press Mode twice.

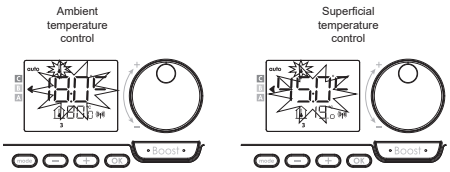
14.13 Temporary change of weekly program

This function allows the temperature to be temporarily changed until the next programmed temperature change or transition to the next day.

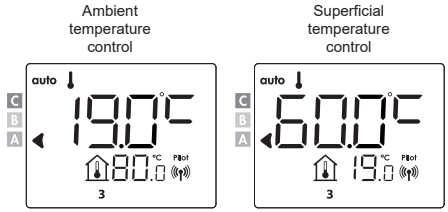
Example:
The control is in Auto mode, the running program is Eco 15.5°C in case of heating with ambient temperature setpoint and, e.g., 30°C in case of heating with surface temperature setpoint



By pressing + or − it is possible to temporarily change the desired temperature to, e.g., 18°C in case of heating with ambient temperature setpoint and, e.g., 45°C in case of heating with surface temperature setpoint



This change is automatically cancelled at the next program change or transition to the next day.



14.14 Open window detection

The open window detection is sensitive to temperature fluctuations. The control unit responds to open windows according to various parameters: temperature setting, increase and decrease of ambient temperature, outdoor temperature, position of the control unit, etc. If the control unit is close to an entrance door, the detection air can be disturbed by opening the door. If this is a problem, we recommend disabling window detection (see installer settings).
When, by opening a window, the control performs a temperature reduction cycle, a frost protection counter is displayed to show the cycle duration. The counter is automatically reset the next time frost protection is activated. By pressing a button, the frost protection mode is disabled.
Note: if a temperature increase is detected, the control automatically returns to the previous mode.

14.15 User settings

Access
From Auto, Comfort, Eco or Frost Protection modes:

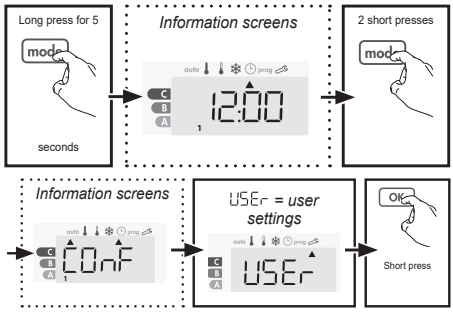
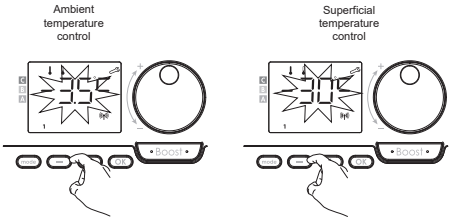


Diagram of setting sequence:
Eco temperature reduction → Frost protection → Upper and lower Comfort temperature limits → Ambient temperature limitation → Surface temperature limitation → Maximum Boost temperature → Reset to factory settings

14.16 Eco temperature reduction

Heating with ambient temperature setpoint:
The reduction is preset to -3.5°C based on the Comfort reference temperature. It is possible to change it from -1°C to -8°C, with 0.5°C intervals.
Important: regardless of the set reduction level, the Eco reference temperature never exceeds 19°C.

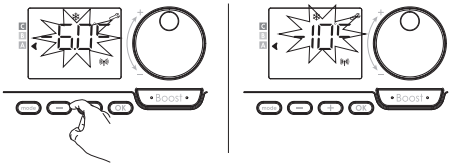
Heating with surface temperature setpoint:
The reduction is preset to -30°C based on the Comfort reference temperature. It is possible to change it from -5°C to - 60°C, with 5°C intervals.
Important: regardless of the set reduction level, the Eco reference temperature never exceeds 45°C.
Press + or − to display the desired value



To confirm and move to the next setting, press + or −. To confirm and close settings, press 2x mode.

14.17 Frost Protection

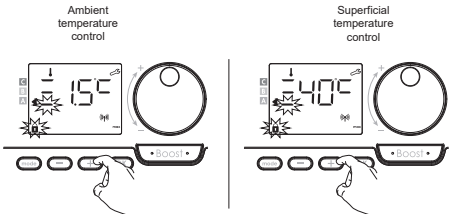
Heating with ambient temperature setpoint:
The device is preset to 7°C. The Frost Protection value can be changed from 5°C to 15°C, with 0.5°C intervals.
Heating with surface temperature setpoint:
is preset to 10°, the frost protection setpoint cannot be changed:
Press + or − to display the desired value



To confirm and move to the next setting, press OK. To confirm and close the settings, press 2x mode.

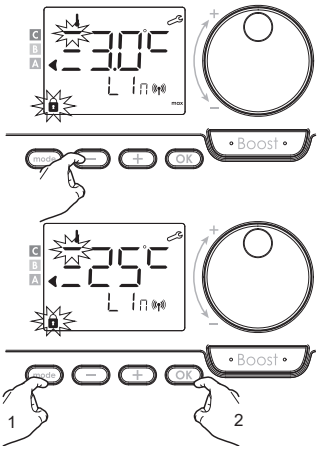
14.18 Minimum temperature limitation

Heating with ambient temperature setpoint:
The minimum threshold is preset to 7°C; it can be changed from - 7°C to 15°C, with 1°C intervals.
Heating with surface temperature setpoint: The minimum threshold is preset to 20°C; it can be changed from -20°C to 40°C, with 5°C intervals. To change the minimum threshold, press + or − and confirm by pressing OK. If you do not want make any changes, press OK: the device automatically suggests to set the maximum threshold. To confirm and close the settings, press 2x mode.



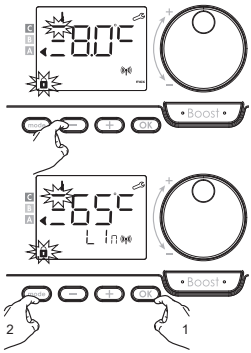
14.19 Ambient temperature limitation

The maximum threshold is preset to 30°C; it can be changed from 19°C to 30°C, with 1°C intervals. Press + or − to display the desired value. To confirm and move to the next setting, press OK. To confirm and close the settings, press 2x mode.

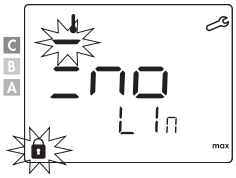


14.20 Surface temperature limitation

The maximum threshold is preset to 80°C; it can be changed from 40°C to “no”, with 5°C intervals. Press + or − to display the desired value. To confirm and move to the next setting, press OK. To confirm and close the settings, press 2x mode.

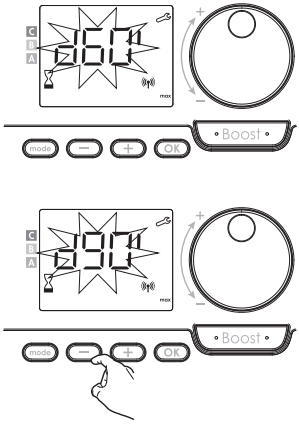


If “no” is selected, the control will not take the surface temperature limitation into account.



14.21 Maximum Boost duration

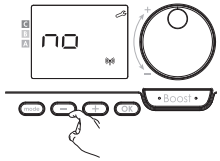
The maximum Boost duration is preset to 60 minutes. It is possible to change it from 30 to 90 minutes, with 30-minute intervals.
The Boost symbol and heating indicator are displayed and the set duration of 60 minutes flashes. Press + or − to display the desired duration. To confirm and move to the next setting, press OK. To confirm and close the settings, press 2x mode.



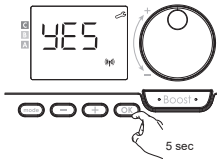
14.22 Reset to factory settings

rESt is displayed for 1 second

nO flashes.
Press + or − to select YES



Press OK for 5 seconds. The device returns to the original configuration and automatically activates the Auto mode.



General	Ambient temperature adjustment	Surface temperature adjustment
Comfort temperature reference	19 °C	60 °C
Boost time	60 min	60 min
Keyboard lock	Disabled	Disabled

User settings

Eco reduction level	-3.5 °C	-30 °C
Frost protection	7 °C	10 °C
Minimum Comfort temperature limitation	7 °C	20 °C
Maximum Comfort temperature limitation	30 °C	80 °C
Ambient temperature limitation	30 °C	30 °C
Surface temperature limitation	80 °C	80 °C
Maximum Boost time	60 min	60 min

Press 2x mode to confirm and close the settings.

14.23 Installer settings

Access

From Auto, Comfort, Eco or Frost Protection modes:

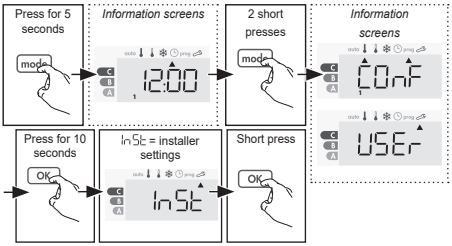
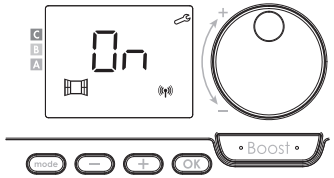


Diagram of setting sequence:

Open window detection → Optimisation function → Lock with PIN code → Reset to factory settings

Open window detection

The automatic open window detection mode is active by default.



Press + or −.

On = Automatic mode enabled.

OFF = Automatic mode disabled.

Press OK to confirm and move to the next setting.
To confirm and close the settings, press 3x mode.

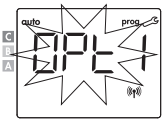
Optimisation function

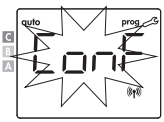
In OPTI ECO (energy efficiency) mode, the control calculates the best compromise to ensure maximum energy savings during programmed heating and cooling phases. A slight reduction in temperature level at the beginning and end of the comfort period permitted to maximise energy saving.

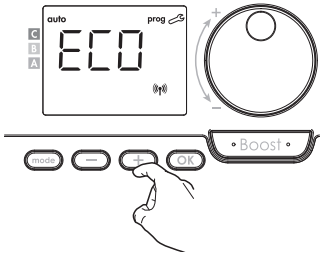
In OPTI COMFORT (comfort efficiency) mode, the control calculates the best compromise to ensure maximum comfort during programmed heating and cooling phases. Priority is given to anticipating and maintaining the comfort temperature during Comfort periods.

The OPTI COMFORT mode is activated by default. The word OP /: / appears briefly on the display, then alternate with the set ConF, ECO or OFF mode.

ConF= optimisation function enabled for OPTI COMFORT mode, priority to comfort.







Press + or −.

CONF = optimisation function enabled for OPTI COMFORT mode, priority to comfort efficiency.

ECO= optimisation function enabled for OPTI ECO mode, priority to energy efficiency.

OFF= optimization function disabled.

Press OK to confirm and move to the next setting.
To confirm and close the settings, press 3x mode.

Lock with PIN code

Overview

You can set the 4-digit pin code yourself which, when activated, makes the following functions unavailable:

- Selection of Comfort mode: only Auto, Eco and Frost Protection modes are available.
- Setting the Comfort, Eco and Frost Protection temperature.
- Changing the weekly program.
- Setting the open window detection

Three important steps are required when using "keyboard through PIN code" protection for the first time:

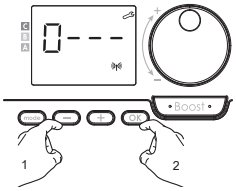
1- PIN code initialization, enter the preset PIN code (0000) to access the function.

2- PIN code activation to lock the settings to be protected.

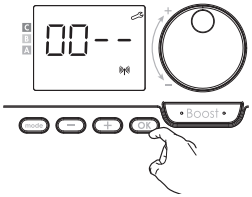
3- PIN code customisation, i.e. replacement of the digits (0000) with a customised four-digit code.

PIN code initialisation

By default, the PIN code is not enabled. = OFF
1- The default PIN code is 0000.
Use + or − to select digit 0. 0 flashes, confirm it by pressing OK.



2- For the remaining digits, select digit 0 by pressing OK.
When 0000 is displayed, press OK again to confirm.



The PIN code is initialised and the device automatically suggests the following setting: PIN code activation.

Activating / deactivating the PIN code

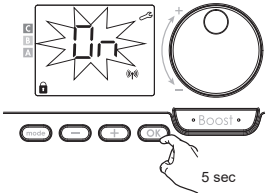
The screen displays OFF
Press + or − to enable the PIN code

On = PIN code enabled.
OFF = PIN code enabled

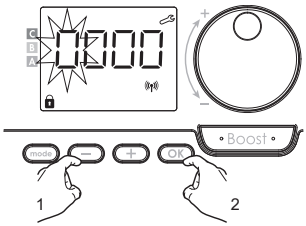
Press OK to confirm and move to the next setting.
The PIN code has been enabled.
The settings listed under “Overview” cannot be changed.

PIN code customisation

When On is displayed, press OK for at least 5 seconds.



The code 0000 is displayed and the 1st digit flashes.
With + or −, select the desired digit and then press OK to confirm it.
Proceed in the same way for the remaining three digits.

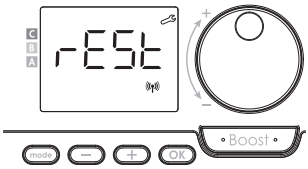


Press OK to confirm. The new code has been stored. Press again OK to close the PIN code configuration mode and return to the beginning of the installer settings.

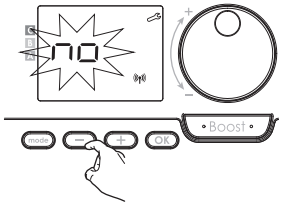
Press 3x mode to confirm and close the installer settings.

Reset to factory settings

If PIN code protection is disabled, user and installer settings can be reset to their original values.
rESt is displayed



no flashes



Press + or − to select
Press OK for 5 seconds.
The device returns to the original configuration and automatically activates the Auto mode.

General	Ambient temperature adjustment	Surface temperature adjustment
Comfort temperature reference	19 °C	60 °C
Boost time	60 min	60 min
Keyboard lock	Disabled	Disabled

User settings

Eco reduction level	-3.5 °C	-30 °C
Frost protection	7 °C	10 °C
Minimum Comfort temperature limitation	7 °C	20 °C
Maximum Comfort temperature limitation	30 °C	80 °C
Ambient temperature limitation	30 °C	30 °C
Surface temperature limitation	80 °C	80 °C
Maximum Boost time	60 min	60 min

Installer Settings

Open window detection	Enabled	Enabled
Optimisation function	Comfort option	Comfort option
PIN code protection	Disabled	Disabled
PIN code value	0000	0000

Advanced Installer Settings

Heating with ambient or surface temperature setpoint	Heating with ambient temperature setpoint	Heating with surface temperature setpoint
Surface temperature sensor calibration	0.0	0.0
Ambient temperature sensor calibration	0.0	0.0
Radiator power	500 W	500 W

To exit the settings, press 3 times.

15. Troubleshooting

First of all, make sure that the Receiver and the Remote Control are paired (see pairing check).

The receiver does not work:
- No power supply to the receiver: check the switch or fuse in the power supply circuit.
- Check the batteries of the thermostat to which it is connected.
- Another emitter may cause an inference that prevents the connection between thermostat and receiver from working properly. Radio transmission does not work properly:

1 - The receiver is not picking up the code sent by the emitter.
- Replace the transmitter batteries (refer to their instruction manual).
- Delete the stored code, refer to section “Resetting the relay” (see page 3).
- Pair the transmitter with a receiver again, refer to section “Pairing” (see page 2).

2 - No pairing between receiver and thermostat or remote control.
- Delete the stored code, refer to section “Resetting the relay” (see page 3).

3 - Pair the transmitter with a receiver again, refer to section “Pairing” (see page 2).
- Radio wave interference affects the receiver or remote control (e.g. from radio amateurs, a TV screen, etc.): - Move the emitter away from the affected area.
- Try to move the receiver or the source of the interference away. Lost connection between receiver and thermostat or remote control: - After more than 3 hours, the RED light starts flashing continuously and the next cycle begins - the contact switches to ON status (i.e. closed between terminals 2 and 3) for 1 minute and then switches to OFF status (i.e. closed between terminals 1 and 2) for 9 minutes.

Then the protection mode is enabled, the red light flashes once every 2 seconds.
- Delete the stored code, refer to section “Resetting the relay” (see page 3).
- Pair the transmitter with a receiver again, refer to section “Pairing” (see page 2). The receiver is out of the emitter range.
- Move the transmitter closer to the receiver, for optimal operation the receiver must be positioned in the centre of the house, flat or area to be covered.

If the problem persists, contact Technical Service.

Information as per Annex II, paragraph 3.a.i.2 of REGULATION (EU) 2015/1188 of 25 April 2015, in compliance with Directive 2009/125/EC.

Identifier of models:	Electric radiator: Window 1100 E 450 W				
Specification	Symbol	Value	Unit	Specification	Unit
Thermal power			**Type of thermal power/control of ambient temperature:**		
Rated thermal power	Pnom	0.450	KW	Single phase thermal power without ambient temperature control	**No**
Minimum thermal power (indicative)	Pmin	n.a	KW	Two or more manual phases without ambient temperature control	**No**
Maximum continuous thermal power	Pmax,c	0.450	KW	With ambient temperature control through mechanical thermostat	**No**
Auxiliary energy consumption				With electronic ambient temperature control	**No**
At rated thermal power	elmax	0.450	KW	With electronic ambient temperature control and daily timer	**No**
At minimum thermal power	elmin	n.a	KW	With electronic ambient temperature control and weekly timer	**Yes**
In standby mode	elSB	<= 0.5	W	**Other control options**	
				Ambient temperature control with presence detection	**No**
				Ambient temperature control with open window detection	**Yes**
				With remote control option	**No**
				With adaptable start control	**No**
				With operating time limitation	**No**
				With black globe thermometer	**No**
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