

1115620

REMOTE CONTROL PHOENIX



Characteristics:

Frequency 2.4 GHz - Power supply 2 AA slimline 1.5 VDC batteries.
 Dimensions 66x29x144mm; weight 105 without batteries. 2" LCD Display.
 Must be kept within a temperature range of -5°C to 50°C.

The remote control has a probe which reads the temperature and communicates with the product for automatic management.



Risk of explosion if the batteries are replaced with other batteries of an incorrect type.

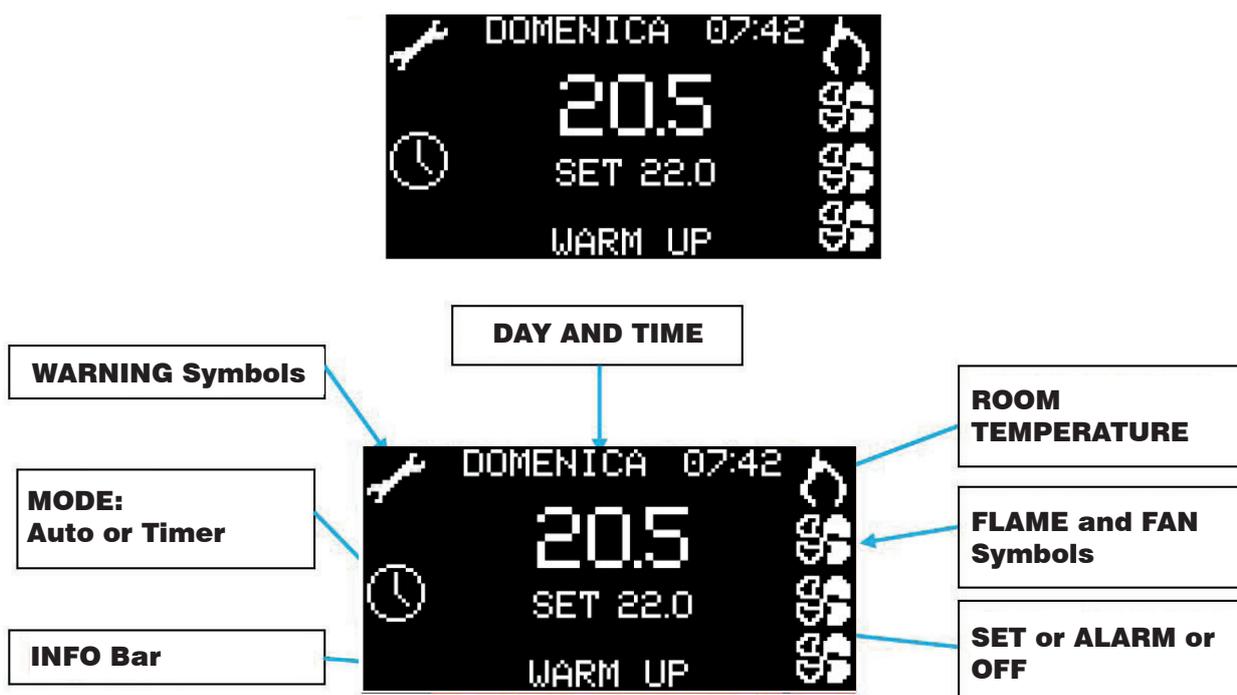


- Lock/ Unlock keys

By pressing  and  for 2" at the same time (prolonged press) the keyboard is locked.

If you press any key, the padlock symbol appears on the main display.





-  Speed 1
-  Speed 4
-  Relax Function active

-  Speed 2
-  Speed 5

-  Speed 3
-  AUTOMATIC Speed

-  - ON-OFF
-  - INCREASE
-  - DECREASE
-  - CONFIRM OK
-  - MENU - AUTO/MAN (prolonged press) – SCROLLING L
-  - RETURN - RELAX (prolonged press) – SCROLLING R

- Energy saving

After 20 seconds of non-use the backlighting switches off and after a further 10 seconds or so the display switches off completely.

Installation in the place of Asola

To install the Remote control update:

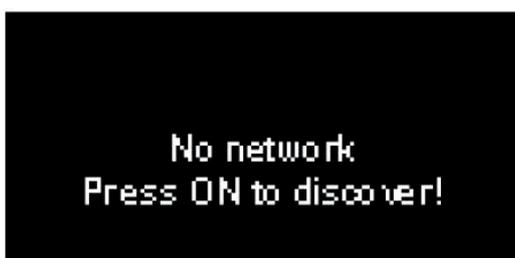
- the Firmware on the basic circuit board with a version from PELE1711 onwards
- complete APF, if the installed revision is below rev 103.

In order to do that, copy the updated APF of the product in the USB pen-drive supplied with the Remote control (and containing the firmware).

Insert the USB pen-drive into the product's USB socket and supply power to the product. After about 30 seconds, a beep will signal that the reprogramming has completed successfully.

At this point the Phoenix must be linked with the product.

The remote control will show this display.



To link the Remote control with the product, disconnect and restore power to the basic circuit board.

When you hear the beep, press the key on the remote control . This display will appear:



When the Remote control finds a compatible communication, the linking procedure will terminate automatically.

If the remote control does not find any compatible communication, it will again display "No network".

Disassociating the remote control from a circuit board - LEAVE

If the remote control has already been linked to one circuit board and must be linked to a different circuit board (for example if a circuit board has been replaced), the “No network” icon will appear on the display.



To link the remote control to the new basic circuit board, you need to perform the disassociation procedure. The procedure can be performed via the Technical Menu or, if there is no communication, in the following manner:

press the  “Return” key for at least 10 seconds. The following display will appear



and the disassociation can be confirmed with the  key

The remote control will display “No network” and it is then possible to proceed with a new linking. If no buttons are pressed, the Remote control will go to “Energy Saving” while waiting for confirmation.

Once the Phoenix has been linked to the product, the remote control proposes the update of the APF, which requires confirmation.

OPERATION

Mode	Settable parameters
MANUAL	<ul style="list-style-type: none"> power level ventilation level (if there are two or more fans, they can be adjusted separately)*
AUTOMATIC	<ul style="list-style-type: none"> desired room temperature ventilation level *
CRONO	<ul style="list-style-type: none"> desired room temperature, selected per day of the week ventilation level*

* when lowering the ventilation, the product can also automatically modulate its power to maintain maximum efficiency.

The product also has the following supplementary functions.

Function	Modes in which it can be activated	What it does
Stand-By	automatic crono	when the desired temperature is reached, the product switches off and then back on again when the temperature drops
RELAX	manual automatic crono	enables natural convection mode (fan off), thus reducing the power
EASY TIMER	manual automatic	is used to programme the switching off/on after a set number of hours (maximum 12 hours)

OPTIONAL CONNECTIONS

The technician can supply, on request:

- external thermostat;
- telephone dialler;
- probes/thermostats for managing the ducting fans (if present on the purchased model).

1)



2)



3)



1) Ex.: air product in Automatic with 3 fans in AUTO, Power P5, Set Room 18.5°C

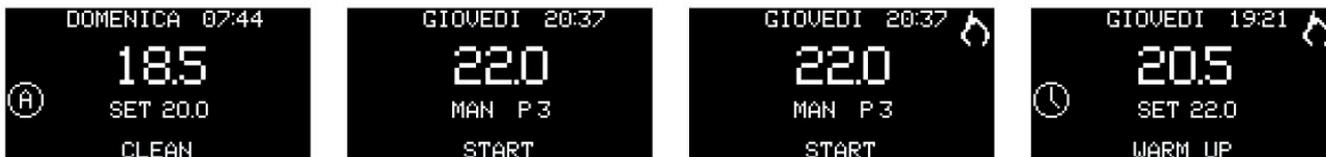
2) Ex.: air product in Manual with 3 fans in V3, Power P3.

3) Ex.: air product with Crono active and Fans in V5, Power P5, Set Room = 22°C.

POWER ON/POWER OFF

These operations will take a few minutes, during which the flame must appear or extinguish. Simply wait without taking any action.

During switch-on:



- CLEAN in the cleaning phase
- START in the Load Pellets and Start 1 phases
- START in the Start 2 phase with the flame symbol 
- WARM UP in the Warm Up phase with the flame symbol 

During switch-off,

the display shows the text "OFF".



If timer scheduling is active:

The switching on and off of the product can be forced with the Crono active, by prolonged pressing of the  button.



The switching on and off force the move from Crono to Automatic mode with the pre-set Set Room and Ventilation.

**USER CONTROLS ON REMOTE CONTROL
ON/OFF**

Hold the ON/OFF button down to switch the product ON.

AUTOMATIC and MANUAL setting

Press the AUTO/MAN button for a few seconds to switch from manual to automatic mode or vice versa.



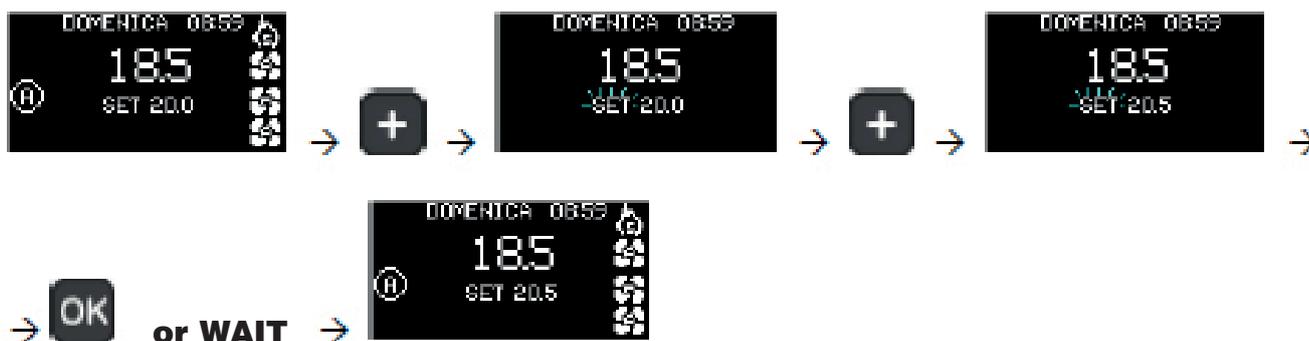
In AUTOMATIC mode:

Setting the Room Temperature (read by the remote control, which should be located in the room where the product is installed). Modify the desired temperature using the “+” and “-” buttons.

Press any button and the display will activate, then press the  button

The flashing “SET” or “MAN” symbol appears; the operating Mode symbols and the Power level and Ventilation symbols disappear.

The Set is modified with the  or  buttons and the setting is confirmed with the  button or by waiting 5 seconds without pressing any buttons.



NOTE

With CRONO active, it is not possible on the main display to change the choice of Temperature level (T1, T2 or T3) or the value of T1, T2 or T3. To do so, you need to access the Menu.

The  or  buttons are disabled.

If the product is in AUTOMATIC mode **and the room temperature probes in the ducted zones are present and activated**, you can press the **OK** button to confirm the main Set Room setting and enter the setting of the Set Room for the ducted zones 2 and 3 by displaying the Room Temperature of the ducted zone and the related Set



**In MANUAL mode:
Setting of the power**

Modify the power level (displayed by the flame symbol) using the “+” and “-” buttons.

Press any button and the display will activate, then press the **+** button

The flashing “SET” or “MAN” symbol appears; the operating Mode symbols and the Power level and Ventilation symbols disappear.

The Set is modified with the **+** or **-** buttons and the setting is confirmed with the **OK** button or by waiting 5 seconds without pressing any buttons.



- FAN ADJUSTMENT

Fan ventilation adjustment can be accessed from the Menu. See the relevant section

- RELAX FUNCTION

Natural convection function (without ventilation) with automatic power limiting.

This function is available in all modes: automatic, manual and crono.

Press the  button for two seconds to activate the Relax function.

Activation is indicated on the display with the RELAX symbol instead of the frontal fan.

Again by prolonged pressing of the  button, the function is disabled.

The product reduces its power output and after a few minutes switches the fan off too.



AM Menu

Press the “AM” button to access the menu.
 The Menu items appear with the first item already selected.



When the AM list displays, the buttons have the following functions:

Active buttons:

-  go back to main display
-  go back one level
-  scroll down the AM Menu items
-  select the AM Menu items

- CRONO
- FAN
- STAND BY (visible only if the product is in “automatic” mode)
- NIGHT
- LOAD PLTS
- STATUS
- PLT RECIPE

AM Menu 2:

- DATE-TIME
- LANGUAGE
- BUZZER
- ALARM LOG
- DATA
- SOFTWARE
- TECHNICAL MENU

- Crono

When the Crono function is active, the user sets a temperature setpoint and a time period for which that setpoint is specified.

The setting involves different steps, which do not need to be consecutive:

- enabling the Crono mode to 7 days a week or on single days ("ENABLE" on the display);
- setting three temperature setpoints, making sure that T1 is always lower than T2 and T2 lower than T3 ("TEMP" on the display);
- linking of one of the three temperatures (T1, T2 or T3) with a time period (DISPLAY/CHANGE).

To access the Crono setting function, you must enter the Menu with the  button

As the first item is CRONO



You confirm the choice with the  button and view the options



The item "crono" is displayed on the navigation bar

- Enable

With "Enable" you can activate or disable Crono



If you confirm the "Enable" item with the  button this display appears



or this display



With the  and  buttons, you can move from "OFF" to "ON" and vice versa.

You can confirm the choice with the  button or the  button and go back to the previous display.

- T1 - T2 and T3

T1, T2 or T3 are used to set the temperatures linked to the levels. Normally:

T1 = Night Level (~16°C)

T2 = Day Level (~20°C)

T3 = Comfort Level (~22°C)



You choose T1, T2 or T3 with  (going up the Menu) and  (going down the Menu) and confirm the item with the  button



The  or  buttons are used to set the value with moves of 0.5.

You confirm the choice and go back to the previous display using the  button or the  button.

- Display/Change the settings

“Display/Change” is used to display and to change the current scheduling.



You confirm the choice with the **OK** button and view the scheduling for Monday and the cursor is positioned on the symbol “Set”



The **AM** button is used to move the cursor between the “Set” symbol and the Day of the Week

The **Return** button is used to go back to the previous display.



If the cursor indicates the symbol “Set” the **+** and **-** buttons are used to choose an action

“Imposta” 

“Copia” 

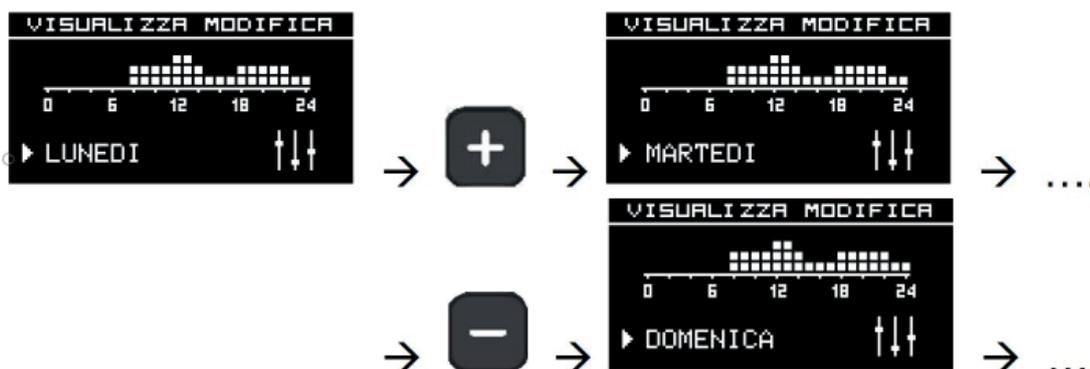
e

“Cancella” 



The **OK** button is used to confirm the selected action.

If the cursor indicates the day of the week, the **+** and **-** buttons are used to choose the day and to display the related scheduling



- to Set

By pressing the button, , you choose "SET" whether the cursor is on the Action or the day of the week; the scheduling of the first 12 hours of the selected day is displayed.

In the top left area the reference of the day is displayed and in the top right the starting time of the time period (00:00), with the cursor below the graphic bar.

The current Set between OFF and the values of T1, T2 and T3 are displayed bottom centre.



The  or  buttons are used to change the temperature levels between OFF and T1, T2 and T3

The  and  buttons are used to move the time period forwards or backwards.

The  button is used to confirm.

If the movement is made by holding down the  or  button

The previous level is copied with a frequency of 1/2h per second.

- to Delete

If the "Delete" action is chosen and confirmed with the  button,

the scheduling is reset.



- to copy/paste

If the "Copy" action is chosen and confirmed with the  button

The day of the week is highlighted and the cursor appears.

Using the  and  buttons the day is chosen on which the scheduling is to be pasted.

The  button is used to confirm the copy action. The day on which the action was performed is highlighted and the action can be repeated.

The  button is used to go back to the previous display.

The  button is used to move to the chosen action.



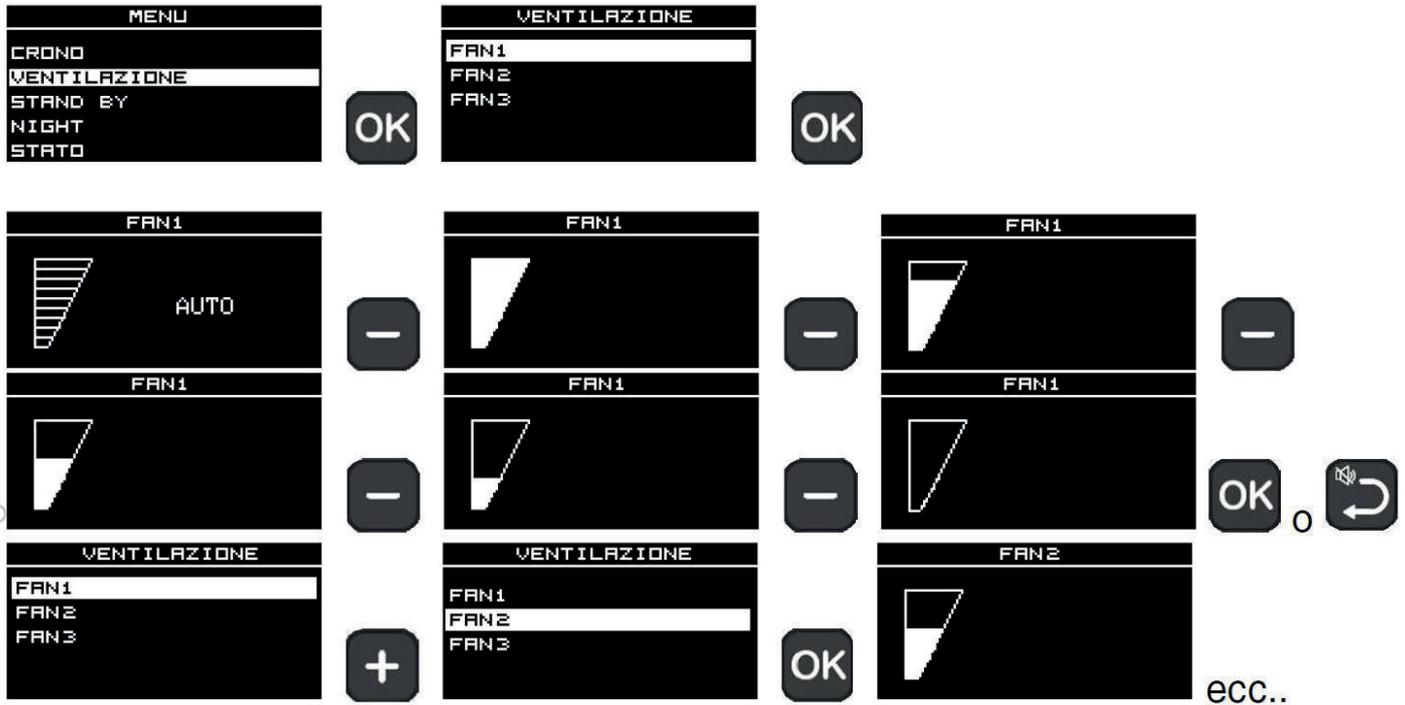
The  button is used to go back to the previous display



The  button is used to go back to the choice of action



- for the ventilation

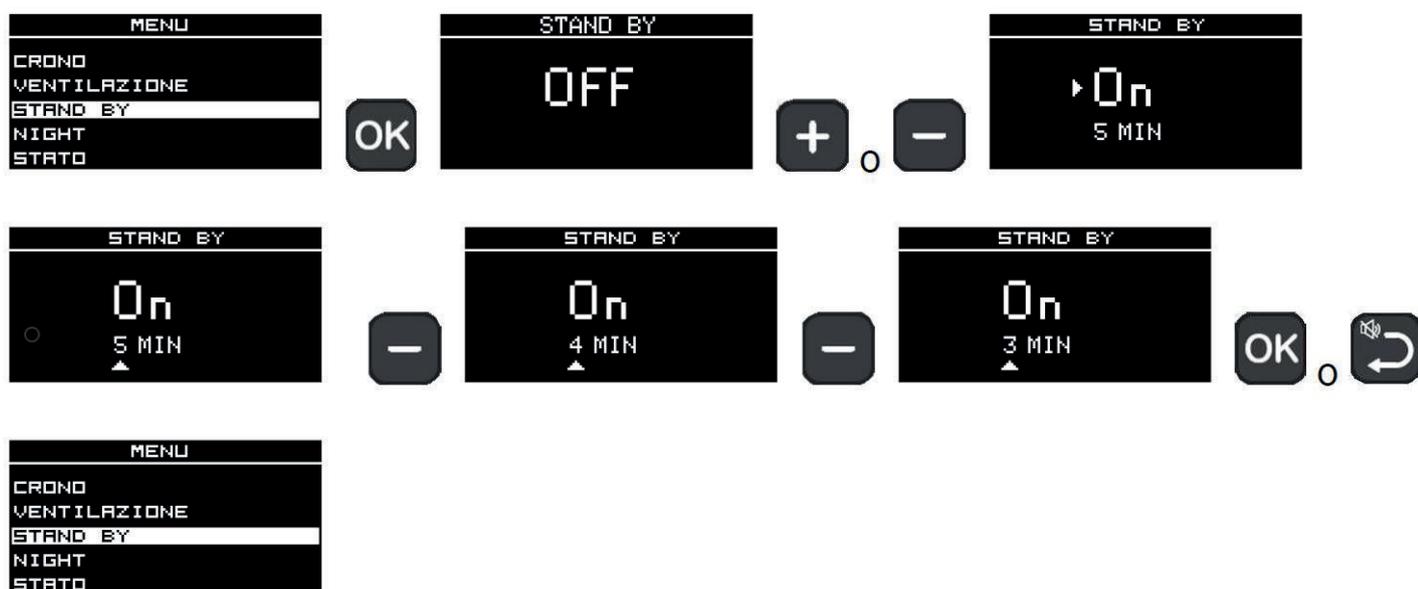


- Stand by

When the Stand by function is active, in automatic and crono mode, the product shuts off when the temperature setpoint is reached and turns on again when the room temperature drops.

When the Stand By function is not active, the product sets itself to minimum power when the temperature setpoint is reached.

NOTE visible only if the product is in “automatic” mode.



The product is programmed by default with a delta of +/- 1°C to optimise comfort.

The technician can change this setting during commissioning to suit the needs of the application.

The display shows the temperature rounded down. This means that 20.1°C and 20.9°C are indicated as “20°”.

For example, with the room temperature set to 20°C, the product will enter the modulation mode/switch off when a temperature of 21 °C is reached and will switch on again below 19 C.

Night (deferred switching on/off)

The function is available only if Crono is not active.

This function switches the product on/off after a set period from activation of the function.

This is convenient if you go to bed and want the product to switch on/off after a few hours (12 hours maximum).



The switch ON time is shown on the main display.



The switch OFF time is shown on the main display.



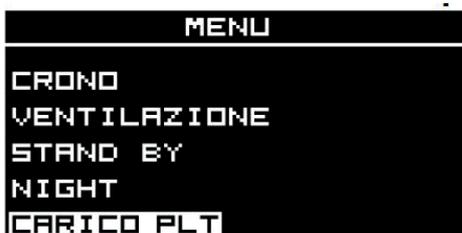
- Load PLT (pellets)

Allows you to load pellets after the screw feeder has emptied following a no-pellets alarm.

Useful for the technician during the initial start-up.

Available only in the OFF status. Any attempt to activate the function in other statuses will not be allowed.

The function is available only in the OFF status. It is not visible in other statuses.



- Status

These readings should only be done when requested by the technician.

The technician understands the diagnostic meaning of the messages and numbers, and may ask you to read them to him/her if you experience problems.

Display status of the product



4 pages of displays, which can be scrolled up and down using the  and  buttons

Menu 2 shows the User functions that are not frequently used.

- Date Time

Sets the current date/time.

This displays the first time the remote control is activated with the product powered on, or by selecting the option from the menu.



The cursor indicates the field being changed.

The and buttons are used to change the value.

The button is used to scroll through the fields by moving the cursor forwards.

The button is used to scroll through the fields by moving the cursor backwards.

The button is used to save and go back to the previous display



The day of the week changes automatically.

- Language

Selects the language.

This displays the first time the remote control is activated with the product powered on, or by selecting the option from the menu.

- PLT Recipe (pellets)

Only to be used when instructed by the technician.

Useful for checking the load during the pellet change phase.

- Technical menu

Accessible only to an authorised technician with the appropriate password.

If problems occur, the product shuts itself off automatically.

The display will show the reason (see below).

Do not disconnect from the power supply.

To start the appliance up again, allow the shutdown procedure to complete, then press the ON/OFF button on the remote control or the simplified ignition button.

Before starting the product up again, check the reason for the shutdown and CLEAN the burning pot.

The product is equipped with the necessary safety devices but, if the burning pot is not cleaned regularly as explained above, ignition may involve a slight detonation. If white smoke forms in the combustion chamber for a long time, disconnect the mains supply and wait 30 minutes before opening the door and emptying out the burning pot.

SHUTDOWN MESSAGES AND THEIR SOLUTIONS:

Instead of the room temperature SET being displayed, there is an alarm code preceded by "ALL"

The description of the alarm is displayed in a single line on the status bar (the two lines of the language file following, separated by a space)



26

Prolonged pressing of the  button (like switching on) leads to a request for the product to be unlocked.

In the INFO bar at the bottom, the request for unlocking appears translated into the various languages.



A further pressing lasting 2 seconds of the  button unlocks the product.

If problems occur, the product shuts itself off automatically.

The display will show the reason (see below).

Do not disconnect from the power supply.

To start the appliance up again, allow the shutdown procedure to complete, then press the ON/OFF button on the remote control or the simplified ignition button. Hold the button down until the message “WANT TO UNBLOCK?” appears. At this point, release the button and hold it down again.

Before starting the product up again, check the reason for the shutdown and CLEAN the burning pot.

The product is equipped with a safety valve but, if the burning pot is not cleaned regularly as explained above, ignition may involve a small detonation. If white smoke forms in the combustion chamber for a long time, disconnect the mains supply and wait 30 minutes before opening the door and emptying out the burning pot.

SHUTDOWN MESSAGES AND THEIR SOLUTIONS:

MESSAGE	PROBLEM	SOLUTION
H01	Displays when the combustion air intake is below the set level.	<ul style="list-style-type: none"> • Ensure the furnace door is closed. • Check that the appliance, the flue and combustion air conduit are clean.
H02	Displays when the circuit board is not detecting the correct speed of the fumes fan.	<ul style="list-style-type: none"> • Contact the technician.
H03	Displays when the thermocouple detects a fume temperature lower than the set value and interprets this as the absence of flame.	<ul style="list-style-type: none"> • Check that there are pellets in the tank. • Contact the technician.
H04	Displays if ignition does not occur successfully in the set time.	<p>There are two possibilities: NO flame:</p> <ul style="list-style-type: none"> • Check that the burning pot is seated properly and clean; • Check that there are pellets in the tank and burning pot; • Try to light it with a solid ecological igniter (contact the technician beforehand and follow the instructions of the igniter supplier very carefully). <p>The operation must be regarded purely as a trial under the technician's guidance.</p>
H05	Shutdown due to air flow rate sensor breakage.	<ul style="list-style-type: none"> • Contact the technician.
H06	Triggers when the circuit board detects that the fumes temperature reading thermocouple is broken or disconnected.	<ul style="list-style-type: none"> • Contact the technician.

MESSAGE	PROBLEM	SOLUTION
H07	Shut-down due to exceeding maximum fumes temperature.	<ul style="list-style-type: none"> • Check the type of pellet (contact the technician if in doubt) • Contact the technician
H08	Shutdown due to excessive overheating of the product.	<ul style="list-style-type: none"> • See H07
H09	Shutdown due to gearmotor failure.	<ul style="list-style-type: none"> • Contact the technician
H10	Switching OFF due to circuit board overheating.	<ul style="list-style-type: none"> • Contact the technician
H11	Switching OFF due to the intervention of the safety pressure switch.	<ul style="list-style-type: none"> • Ensure the product and flue are clean • Contact the technician
H12	Room temperature probe failure. The product is operating in manual mode.	<ul style="list-style-type: none"> • Contact the technician

MESSAGES WHICH DO NOT SHUT THE STOVE DOWN, BUT ARE SIMPLY WARNINGS

LOW REMOTE CONTROL BATTERY LEVEL:

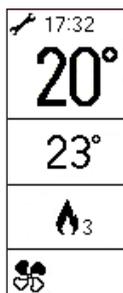
The battery symbol displays on the remote control display if the battery is low.



MAINTENANCE:

A spanner symbol will appear on the display after 2,000 hours of operation.

The product is working, but it must be serviced by an authorised Edilkamin technician.



MESSAGES WHICH DO NOT SHUT THE STOVE DOWN, BUT ARE SIMPLY WARNINGS**LOW REMOTE CONTROL BATTERY LEVEL:**

The battery symbol displays on the remote control display if the battery is low.

**MAINTENANCE:**

A spanner symbol will appear on the display after 2,000 hours of operation.

The product is working, but it must be serviced by an authorised Edilkamin technician.

**LACK OF COMMUNICATION:**

If there is prolonged lack of communication between the product and the remote control, the 'no network' icon (a barred aerial) appears (barred aerial) and the room temperature, time and day of the week remain visible.

The Power at level 1 is displayed if the product was in Automatic/Crono, whereas at the previously set level, if it was in Manual. Ventilation remains at the last display.

If the lack of communication occurs during navigation through the Menus, it automatically goes back to the main display.



PELLET RESERVE INDICATOR:

The function is only available if the pellet level sensor is installed and has been activated. When the level sensor triggers, the circuit board emits a single “beep” (in any switch-on or ON status) and the “PLT” symbol indicating the reserve appears on the display.

After an interval of roughly 20-40 minutes, which varies depending on the model, the stove switches off due to a shortage of pellets, maintaining the PLT symbol.





www.edilkamin.com

PHOENIX-GB 10.20/A