INSTRUCTION MANUAL

3 BUTTON DISPLAY

INSTALLATION AND USE

TABLE OF CONTENTS

N.B.: THE INSTRUCTION BOOKLET CAN BE DOWNLOADED FROM OUR WEBSITE www.evacalor.com

ENGLISH

01.1 FLUE PIPE CHARACTERISTICS

PELLET STOVE 5 KW (6) SP6		
Chimney flue draught	11	Pa
Fume temperature	227	°C
Maximum flue gas flow rate	4.1	g/s

PELLET STOVE with OVEN 7.5 KW (8.5) SPF8.5		
Chimney flue draught	12	Pa
Fume temperature	204	°C
Maximum flue gas flow rate	5.9	g/s

PELLET STOVE 8 KW (9) SPCT8		
Chimney flue draught	12	Pa
Fume temperature	214	°C
Maximum flue gas flow rate	6.1	g/s

PELLET STOVE SLIM 4 KW (5.5) SP4		
Chimney flue draught	10	Pa
Fume temperature	155	°C
Maximum flue gas flow rate	4.1	g/s

PELLET RANGE COOKER 6.7 KW (7.5) CPV-7627		
Chimney flue draught	11	Pa
Fume temperature	164	°C
Maximum flue gas flow rate	5.0	g/s

PELLET RANGE COOKER with OVEN 8.6 KW (9.3) CPF-85		
Chimney flue draught	12	Pa
Fume temperature	111	°C
Maximum flue gas flow rate	6.1	g/s

PELLET STOVE 10 KW (11.5) SPV-M10		
Chimney flue draught	11	Pa
Fume temperature	226	°C
Maximum flue gas flow rate	6.9	g/s

PELLET STOVE SLIM 6.5 KW (7.5)		
Chimney flue draught	11	Pa
Fume temperature	184	°C
Maximum flue gas flow rate	6.2	g/s

FORCED AIR BOILER 18.5 KW (20.5) GP-20		
Chimney flue draught	12	Pa
Fume temperature	161	°C
Maximum flue gas flow rate	12.0	g/s

PELLET STOVE 7.5 KW (8.6) SPSV		
Chimney flue draught	10	Pa
Fume temperature	193	°C
Maximum flue gas flow rate	5.6	g/s

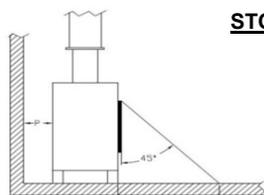| PELLET STOVE CAN 8 KW (9.3) SPSC8		
Chimney flue draught	12	Pa
Fume temperature	185	°C
Maximum flue gas flow rate	5.8	g/s

02. INSTALLATION WARNINGS

- If the stove is to be installed in rooms where it is surrounded by combustible materials (e.g. furniture, wood cladding, etc.), **the following minimum clearances must be complied with:**
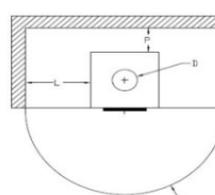
STOVES and BOILERS
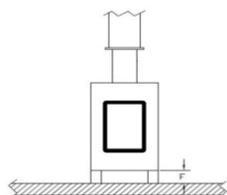
FLAMMABLE   **NON** FLAMMABLE   FLAMMABLE   **NON** FLAMMABLE

PELLET STOVE 5 KW (6) SP6		
REAR WALL P =	250	mm
SIDE WALL L =	300	mm
FLOOR F =	-	mm
FRONT R =	1000	mm

PELLET STOVE 5 KW (6) SP6		
REAR WALL P =	250	mm
SIDE WALL L =	200	mm
FLOOR F =	-	mm
FRONT R =	1000	mm

FORCED AIR BOILER 18.5 KW (19.5) SPC-19.5		
REAR WALL P =	80	mm
SIDE WALL L =	200	mm
FLOOR F =	-	mm
FRONT R =	100	mm

FORCED AIR BOILER 18.5 KW (19.5) SPC-19.5		
REAR WALL P =	80	mm
SIDE WALL L =	100	mm
FLOOR F =	-	mm
FRONT R =	100	mm

PELLET STOVE 8 KW (9) SPCT8		
REAR WALL P =	100	mm
SIDE WALL L =	250	mm
FLOOR F =	-	mm
FRONT R =	1000	mm

PELLET STOVE 8 KW (9) SPCT8		
REAR WALL P =	100	mm
SIDE WALL L =	150	mm
FLOOR F =	-	mm
FRONT R =	1000	mm

PELLET STOVE 7.5 KW (8.6) SPSV		
REAR WALL P =	200	mm
SIDE WALL L =	200	mm
FLOOR F =	-	mm
FRONT R =	1000	mm

PELLET STOVE 7.5 KW (8.6) SPSV		
REAR WALL P =	150	mm
SIDE WALL L =	150	mm
FLOOR F =	-	mm
FRONT R =	1000	mm

PELLET RANGE COOKER 6.7 KW (7.5) CPV-7627 (free-standing)		
REAR WALL P =	10	mm
SIDE WALL L =	200	mm
FLOOR F =	-	mm
FRONT R =	1000	mm

PELLET RANGE COOKER 6.7 KW (7.5) CPV-7627 (free-standing)		
REAR WALL P =	10	mm
SIDE WALL L =	100	mm
FLOOR F =	-	mm
FRONT R =	1000	mm

PELLET STOVE with OVEN 7.5 KW (8.5) SPF8.5		
REAR WALL P =	200	mm
SIDE WALL L =	300	mm
FLOOR F =	-	mm
FRONT R =	1000	mm

PELLET STOVE with OVEN 7.5 KW (8.5) SPF8.5		
REAR WALL P =	200	mm
SIDE WALL L =	200	mm
FLOOR F =	-	mm
FRONT R =	1000	mm

PELLET RANGE COOKER 6.7 KW (7.5) CPV-7627 (built-in)		
REAR WALL P =	10	mm
SIDE WALL L =	10	mm
FLOOR F =	-	mm
FRONT R =	1000	mm

PELLET RANGE COOKER 6.7 KW (7.5) CPV-7627 (built-in)		
REAR WALL P =	10	mm
SIDE WALL L =	10	mm
FLOOR F =	-	mm
FRONT R =	1000	mm

PELLET STOVE SLIM 6.5 KW (7.5)		
REAR WALL P =	10	mm
SIDE WALL L =	300	mm
FLOOR F =	-	mm
FRONT R =	1000	mm

PELLET STOVE SLIM 6.5 KW (7.5)		
REAR WALL P =	10	mm
SIDE WALL L =	200	mm
FLOOR F =	-	mm
FRONT R =	1000	mm

PELLET RANGE COOKER OVEN 8.6 KW (9.3) CPF-85		
REAR WALL P =	50	mm
SIDE WALL L =	50	mm
FLOOR F =	-	mm
FRONT R =	1000	mm

PELLET RANGE COOKER OVEN 8.6 KW (9.3) CPF-85		
REAR WALL P =	50	mm
SIDE WALL L =	50	mm
FLOOR F =	-	mm
FRONT R =	1000	mm

PELLET STOVE SLIM 4 KW (5.5) SP4		
REAR WALL P =	40	mm
SIDE WALL L =	300	mm
FLOOR F =	-	mm
FRONT R =	1000	mm

PELLET STOVE SLIM 4 KW (5.5) SP4		
REAR WALL P =	40	mm
SIDE WALL L =	200	mm
FLOOR F =	-	mm
FRONT R =	1000	mm

PELLET STOVE 8 KW (9.3) SPSC8C-SPSC8		
REAR WALL P =	200	mm
SIDE WALL L =	200	mm
FLOOR F =	-	mm
FRONT R =	1000	mm

PELLET STOVE 8 KW (9.3) SPSC8C-SPSC8		
REAR WALL P =	100	mm
SIDE WALL L =	100	mm
FLOOR F =	-	mm
FRONT R =	1000	mm

03.1 TRADITIONAL PELLET STOVES

IMPORTANT: THE LENGTH OF THE FUME DUCT MUST BE A MAXIMUM OF 6 METRES OF 80 mm DIAMETER TUBE AND EACH 90° BEND OR (T) CONNECTION MUST CORRESPOND TO 1 METRE OF TUBE

TO GUARANTEE THE CORRECT OPERATION AND YIELD OF ALL OUR PELLET ITEMS, INSTALL A T-CONNECTION AND AT LEAST 1 LINEAR METRE OF FUME DUCT CERTIFIED IN ACCORDANCE WITH EN1856-2 BEFORE CARRYING OUT A CONNECTION TO THE FLUE PIPE
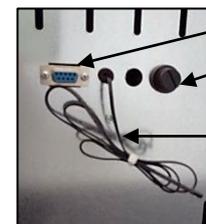
03.2 PELLET STOVE with OVEN

If rear exhaust installation for the stove is required, break the pre-cut form at the back and then install the fume duct.

Only for the stove (BISCOTTO)
CAUTION: If air from the stove requires ducting to a different room, recall that air is drawn from the room where the stove is installed and, when cooking, the smell of food may also be transferred to the ducted room.

03.3 PELLET RANGE COOKER

The **pellet range cooker**, depending on the model purchased, may be installed built-in or free-standing.

For built-in stoves, furniture may safely be placed on the hob. The safety distance is given by the heads of the screws installed in the lid. It is possible to close the gap between lid and hob with high-temperature silicone.
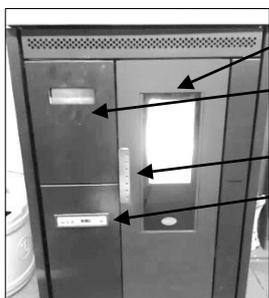
Before installing the stove rotate the rear upstand (if any), by loosening the screws. If rear exhaust installation for the stove is required, break the pre-cut form at the back and then install the fume duct.
This type of stove combines the convenience of pellets with the proven tradition of an economic kitchen with which it is possible to prepare meals and heat the environment at the same time. Thanks to technology, in this case also not only is it possible to cook but the appliance was created to provide plenty of space to do so. In addition, pellets are easy to handle, both in terms of feeding and accurate temperature management as they are clean and do not cause clutter.
This economical ventilated pellet stove is equipped with a frontal pellet loading system that is very easy to use and which makes it extremely practical in everyday use. Its wide top plate, available in steel or glass ceramic, is perfect for cooking meals using the heat given off. The fume outlet is top or rear.
In winter, forced ventilation facilitates rapid and uniform heating of the entire room, while in summer cooking can occur with no forced ventilation. Conceived to be functional, the design was not secondary, in fact the large glass panel was intended to make the fire visible.
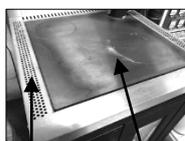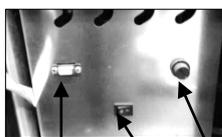
DESCRIPTION OF COMPONENTS

The **pellet range cooker with oven** can be installed built-in or free-standing.

For built-in stoves, furniture may safely be placed on the hob. The safety distance is given by the heads of the screws installed in the lid. It is possible to close the gap between lid and hob with high-temperature silicone.

Before installing the stove rotate the rear upstand (if any), by loosening the screws. If rear exhaust installation for the stove is required, break the pre-cut form at the back and then install the fume duct.

DESCRIPTION OF COMPONENTS

VENTILATED AIR OUTLET

STEEL OR GLASS PLATE

DOOR

PELLET DRAWER

HANDLE

DISPLAY

DOOR

HANDLE
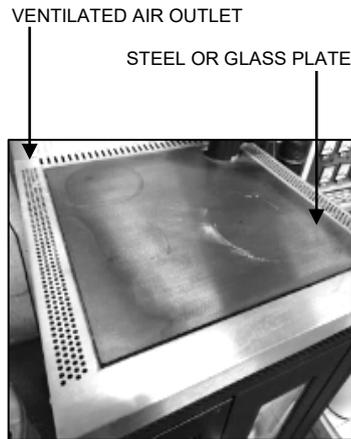
04. IR REMOTE CONTROL (IF INCLUDED OR SUPPLIED AS OPTIONAL)

IR Remote Control (OPTIONAL)
The control panel of the stove has been set up to receive a number of commands via remote control.
- On/off command: pressing the two buttons marked "1" and "6" simultaneously switches the stove on or off.
- Heat output adjustment: during normal working mode, pressing buttons "5" and "6" marked with a flame, sets one of the heat output levels of the stove.
- Temperature adjustment: during normal working mode, pressing button "2" and then buttons "1" and "2", marked with a thermometer, sets the desired temperature.

05. ELECTRONICS WITH N.100 3 BUTTON LED DISPLAY
(Pellet stove – Pellet stove with oven – Pellet range cooker – Pellet range cooker with oven)

05.1 CONSOLE

Console

P2   L1   L4   L2   D1   L5   L3   P3

L0

P1
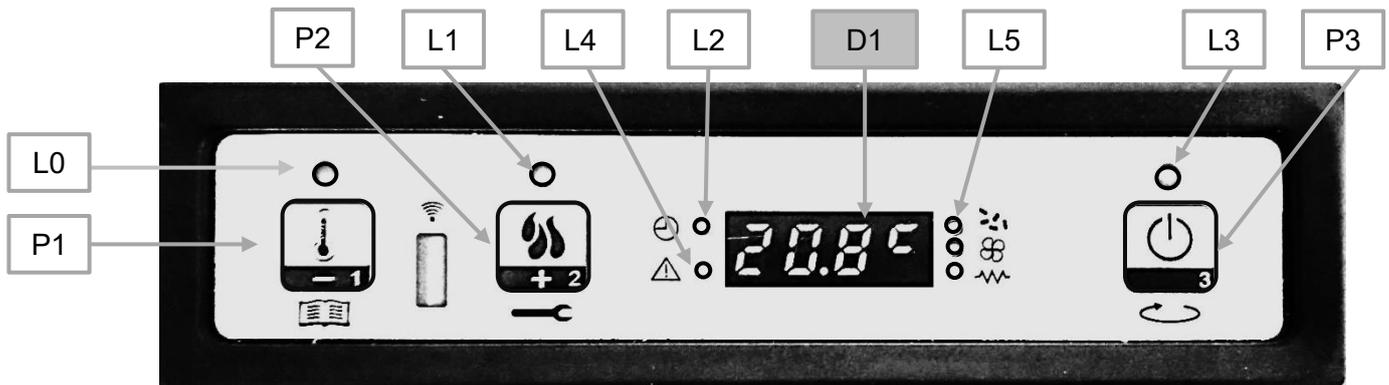
The control board can be managed by simply pressing a few buttons on the control panel.
A display and the LED indicators inform about the stove operational status. When in programming mode all the parameters that can be modified using the buttons are shown on the display.

PANEL DESCRIPTION
LED (L0) set room
LED (L1) set heat output
LED (L2) chro
no
LED (L3) ON/OFF
LED (L4) alarm
LED (L5) auger/exchanger/glow plug

Button (P1) decrease/menu/set room temperature
Button (P2) increase/stove status/set heat output

Button (P3) ON/OFF/ esc/confirm

Display (D1) status/heat output/parameter

MENU

Hold P1 button down to access the menu.
It includes several items and levels to access settings and control board programming.

Menu M1 – SET CLOCK

Keep button (P1) pressed until message M1 appears, confirm with the ON/OFF button (P3), with buttons (P1) and (P2), change the current day and press the ignition button; set the hour and press ON/OFF (P3); set the minutes and press ON/OFF (P3); set the current day as a number and press ON/OFF (P3), set the current month and press ON/OFF (P3), set the current year; to confirm and exit keep the ON/OFF (P3) button pressed until the time reappears.

Menu M2 – SET CHRONO

Sub-menu M2 – 1 CHRONO ENABLE

Keep button (P1) pressed until message M1 appears, press the (P2) button up to M2, confirm with ON/OFF button (P3); the menu M2-1 appears, confirm with ON/OFF (P3) and with the arrow (P1) set ON to activate the general chrono; go back keeping ON/OFF (P3) pressed, with button (P2) choose the programme to enable.

Sub-menu M2 – 2 PROGRAM DAY

Two fixed ON/OFF cycles for each day.

Sub-menu M2 – 3 PROGRAM WEEK

Four ON/OFF cycles and the days must be selected for each time

Sub-menu M2 – 4 PROGRAM U-END

Two ON/OFF cycles for Saturday and Sunday

Setting a programme

Enter the desired programme by pressing ON/OFF (P3) once. The first parameter is the enabling of the programme itself, which should be set to ON by pressing the (P2) button **(CAUTION: ENABLE ONE PROGRAMME AT A TIME TO PREVENT ISSUES WITH THE CHRONO).** Press ON/OFF (P3), to set the START time, with buttons (P1) and (P2) enter the desired switch-on time; press SET (P3) to set the STOP time: with arrows (P1) and (P2) set the switch-off time; only for the weekly program, press SET (P3) with the days requiring confirmation, with the ON/OFF button, navigate between the days of the week and with buttons (P1) and (P2), set ON or OFF. Once the times and days have been set, to confirm and exit the chrono, press and hold the ON/OFF button until the initial screen is seen; if the times have been set correctly, a green LED will illuminate near the clock at the top left of the display.

Menu M3 – LANGUAGE

Use this command to select one of the languages available. Press P2 (increase) and P1 (decrease) buttons to scroll through the options and press P3 button to confirm.

Menu M4 – STAND-BY

Use to enable or disable Stand-by mode. Press P3 button to select menu M4 and then P1 (decrease) or P2 (increase) button to select the ON or OFF status.

Menu M5 – BUZZER

Allows the controller buzzer to be enabled or disabled during alarm signalling. Press the P1 or P2 button to enable or disable this command and P3 to confirm.

Menu M6 – INITIAL LOAD

This command is only available when the stove is **OFF** and allows the auger tube to be loaded the first time the stove is started when the pellet hopper is empty. After selecting the INITIAL LOAD menu, "Press more" will scroll on the display. Then press P2 (increase). The exhaust blower switches on at the maximum speed and the auger tube (auger tube LED on) starts working. They will switch off once the period of time indicated on the display has elapsed or after pressing the P3 button.

Menu M7 – STATE STOVE

After entering menu M7 by pressing P3 button, the status of a number of parameters with stove in working mode scrolls on the display. The table below contains an example of the scrolling values on the display including their meaning.

Displayed status – Meaning				
3.1" - Pellet loading auger status	52' - Time out	Toff - Thermostat status	106° - Flue gas temperature	1490 - Flue gas extraction speed

Menu M8 – SET TECHNIC

This menu item is reserved for the stove installer. After entering the access key using buttons P1 (decrease) and P2 (increase), the various operating parameters of the stove can be set.

Menu M9 – ESCAPE

Selecting this item, pressing button P3 will exit the menu and return to the previous status.

Standard functioning of a control board properly installed on an air stove is described below with reference to the functions available to users.

Stove ignition

First connect the stove plug to the mains and load the pellet hopper.
Be careful not to empty the entire bag at once. Perform this operation slowly.
The combustion chamber and the burn pot must be cleaned, removing any combustion residue. Verify that the hopper lid and the door are closed. Failure to do so could cause a malfunction of the stove and subsequent related alarms. Upon initial start-up ensure that in the burn pot there are no components that will burn (feet bag, instructions, etc.).
Hold P3 button down for a few seconds to switch on the stove. The successful switching on procedure is indicated in the display with the message "START" and the flashing ON/OFF LED. This phase lasts for the time given by parameter Pr01.
During this phase, the stove goes into pre-heating status; both the glow plug (as indicated by the corresponding L5 glow plug LED) and the exhaust blower switch on.
Any problem detected during the switching-on phase is indicated on the display and the stove goes into alarm status.

Pellet loading

After approx. 1 minute, the pellet loading phase begins, the display shows the message (LOAD PELLET) and the ON\OFF LED illuminates intermittently. During the first stage, the auger tube feeds the pellets to the burn pot during a period of time set by the Pr40 parameter (auger tube LED on), the exhaust blower speed is set by the Pr42 parameter and the glow plug is still on (glow plug L5 on).
In the second phase, once the time of parameter Pr40 has elapsed, the auger switches off (LED auger L5 off) for a time given by parameter Pr41, while the exhaust blower speed and the glow plug remain in the previous state.
In case of ignition failure at the end of this phase, the auger tube switches back on and stays on during the period of time set by the Pr04 parameter, the exhaust blower speed is set by the Pr16 parameter and the glow plug stays on.

Fire present

Once the fume temperature has reached and exceeded the Pr13 parameter value, the stove goes into ignition mode: the message (FLAME LIGHT) appears on the display and the ON/OFF LED begins to flash.
In this phase, the temperature remains stable for a preset time as set by the Pr02 parameter.
The exhaust blower speed is set by the Pr17 parameter, the Auger tube stays on for a period of time set by the Pr05 parameter (Auger tube LED flashing) and the glow plug is off (glow plug LED off).
Any problem during this phase will cause the control board to stop and the stove to go into error state.

Stove operational
Once the fume temperature has reached and exceeded the Pr13 parameter value, maintaining it for a period of time set by the Pr02 parameter, the stove enters normal working mode. The message (UORK) appears on the display and the ON/OFF LED switches on. The heat output can be set by pressing the P2 key and the room temperature can be set by pressing the P1 button.
If the fume temperature reaches the threshold set by parameter Pr15, the air exchanger fan switches on. (exchanger LED lit)
IMPORTANT: During this phase, after a period of time set by the Pr03 parameter, the stove carries out burn pot cleaning. The message "CLEANING FIRE-POT" scrolls on the display, the Auger tube is on (corresponding LED illuminated) at a speed set by the Pr09 parameter and the exhaust blower at a speed set by PR08 parameter. Once a time set by the Pr12 parameter has elapsed, the stove returns to working status (**this procedure does not apply to 4 KW stoves**).

Changing set heat output
During normal operation of the stove (UORK), heat output can be changed by using the P2 button. (Set heat output LED on).
Press P2 button again to increase the heat output and P1 button to decrease it. The display will show the set heat output.
Do not press any button for 5 seconds or press P3 button to exit the setting mode.

Changing set room temperature
Press P1 button to change the set room temperature.
The display shows the set room temperature (SET temperature value). Press P1 and P2 buttons to decrease or increase, respectively, the temperature value. The value is saved after approx. 5 seconds and the display goes back to normal. Otherwise, press P3 to exit.

Room temperature reaches the set value (SET temperature)
When the set room temperature value is reached, the stove heat output is automatically set to the minimum value. During this phase, the display shows the message "MODULAT". If the room temperature falls below the set value (Set temperature), the stove will go back to the "UORK" mode and to the previously set heat output (Set heat output).

Stand-by
When enabled in the menu, the STAND-BY command allows the stove to be switched off after complying with the following conditions.
This is enabled if, for a time, given by parameter Pr44, the room temperature is higher than the set temperature (Room set) plus parameter Pr43.
The display shows "GO-STBY", followed by the remaining time in minutes. At the end of the period of time set by the Pr44 parameter, the message "UAIT COOLING" appears on the display. In this mode, the stove's auger is off (auger LED off), the exchanger switches off when the threshold given by parameter Pr15 is reached and the ON\OFF LED flashes. When the fume temperature reaches the threshold set by the Pr13 parameter, the stove goes into STAND-BY mode and the message "STOP ECO TEMP GOOD" scrolls on the display. The Auger tube (auger tube LED off), the exchanger (exchanger LED off) and the exhaust blower are off. If the room temperature falls below the set value (Set room temperature) plus the threshold set by the Pr43 parameter, the stove switches back on.

Stove switch off
Hold P3 button down to switch off the stove. The display shows the message "CLEANING FINAL".
The auger tube motor switches off (auger tube LED off), the exhaust blower speed is set by the Pr08 parameter and the ON/OFF LED flashes.
The fan of the exchanger (exchanger LED on) remains active until the fume temperature falls below the value set in the parameter Pr15. After a time given by the PR39 parameter, if the fume temperature is below the threshold given by the parameter Pr10, the stove switches off, displaying the message "OFF".

External thermostat/chrono-thermostat use
If an external room thermostat is to be used, make the connection to the TERM terminals.
- **external thermostat**: carry out a temperature SET in the stove equal to T-E.
- **external chrono-thermostat**: carry out a temperature SET in the stove equal to T-E and disable (OFF) the chrono
The stove external thermostat is enabled when the contact is closed with stove on.

ONLY 4KW STOVES

This type of stove switches off automatically every 8 hours of both continuous and staggered operation, regardless of the settings entered in CHRONO SET, daily, weekly and weekend programming. The stove is turned off to clean the burn pot, the display will show the message (PULIRE BRACIERE) and after cleaning manually, the stove can be turned on once more. Reset by pressing and holding P3. The internal timer will automatically reset to zero until another 8 hours of operation is reached.

ONLY PELLET RANGE COOKERS WITHOUT OVENS

The heat outputs are regulated in this way:
PTN1, PTN2, PTN3, PTN4, PTN5: heat outputs with ventilation. PT-1, PT-2, PT-3, PT-4, PT-5: heat outputs without ventilation. If during the summer it is necessary to cook or use for whatever reason the stove you can use the PT heat outputs such that the ventilation does not heat the environment.

STOVE WITH OVEN / COOKER WITH OVEN

USING THE OVEN

Heat outputs are set as follows:
P1, P2, P3, P4, P5, OVEN. Using heat output ratings from P1 to P5, the stove works as a classic stove: predefined heat output and room ventilation. Pressing button 1 changes the room temperature. Using OVEN mode, the stove works depending on the oven temperature. As can be seen, there is a probe inside the oven that regulates its temperature inside. The heat output of the stove is automatic, i.e., depending on the temperature of the oven, it will independently choose the heat output so as to keep a constant temperature inside the oven. The oven temperature can be set by pressing button 1 on the display only and exclusively in the OVEN function.
If the oven temperature exceeds the set temperature, room ventilation will bring the temperature values to the same level.

TIMER

When TIMER OVEN mode is selected, press the heat output button (P2) and then the ON/OFF button. A minute timer (default 60 minutes) is then shown, which allows the time to be changed using the (P1) and (P2) buttons, which can be confirmed using the ON/OFF button. After the set time has elapsed, the board buzzer sounds for 1 minute at a rate of 2 acoustical sounds per second.

In the event that an operating fault occurs, the board intervenes and signals the occurrence of an irregularity, switching on the alarm LED (alarm LED on) and emitting acoustic signals.

In case of alarm, the stove is always immediately switched off

EXCEPT FOR THE POWER OUTAGE ALARM, alarm status is reached at the end of the period of time set by the Pr11 parameter and can be cleared by holding the P3 button down. Whenever an alarm is cleared, the stove starts a switching-off phase for safety reasons. The alarm LED (alarm LED on) will remain on and the buzzer, if enabled, will sound intermittently during the entire alarm phase. Should the alarm not be cleared, the stove will in any case be switched off and the alarm message will remain on the display.

AL1 BLAC-OUT – Power outage alarm
Power outage may occur with the stove in working mode. When restarting, if the outage period is less than 20 seconds, the stove restarts in **WORKING** mode, otherwise an alarm will sound. The display shows the message "AL1 POWER OUTAGE" and the stove switches off.

AL2 PROBE EXHAUST– Fume temperature probe alarm
The alarm is triggered in case of faulty fume probe. The stove goes into alarm status and the alarm LED illuminates (LED alarm on). The stove will show the wording "AL2 FUME PROBE" on the display and will switch off.

AL3 HOT EXHAUST – Fume over-temperature alarm
This occurs if the fume probe detects a temperature greater than a fixed set value that cannot be changed using a parameter. The display shows the message "AL3 HOT FUMES" and the stove switches off.

AL4 FAN FAILURE – Fume encoder fault alarm
The alarm is triggered in the event of an exhaust blower fault. The stove will go into alarm status and the message "AL4 EXTRACTION FAULT" will appear on the display.

AL5 NO LIGHTIN- – Ignition fault alarm
The alarm is triggered in the event of ignition phase fault. This occurs if, after a time given by parameter Pr11, the fume temperature does not exceed parameter Pr13. The display shows "AL5 IGNITION FAULT" and the stove goes into alarm status.

AL6 NO PELLET – No pellets alarm
This occurs when the fume temperature falls below parameter Pr13 during operation. The display shows "AL6 NO PELLETS" and the stove goes into alarm status.

AL7 SAFETY THERMAL – Thermal safety over-temperature alarm
The alarm is triggered whenever the general safety thermostat detects a temperature exceeding the trigger threshold. The thermostat trips and switches off the auger as it is placed in series with its power supply, and the controller trips by signalling alarm status (alarm LED on), showing "AL7 THERMAL SAFETY" on the display, and the stove switches off.

AL8 FAILURE DEPRESS – No negative pressure alarm
This occurs when the external component (pressure switch) detects a pressure above the trigger threshold. The pressure switch intervenes by switching off the auger, being electrically connected in series, and the controller signals alarm status (alarm LED on) showing "AL8 NO NEG. PRESSURE" on the display. The stove switches off.

SERVICE MESSAGE
The stove will display the message SERVICE (or SER) during operation depending on the number of hours of operation. The wording does not lock operation of the stove, but non-routine maintenance will be required by an authorised technician, who will reset the service hours.

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