

CONTROL DISPLAY

USER MANUAL

To be kept by the purchaser



Control display for water heating products

Dear Customer,

thank you for having chosen to heat and save with a Jolly Mec product. Please carefully read and keep this sheet before using the equipment.

The manual provides information and suggestions necessary for correct product use. Knowing and observing these instructions will allow you to fully and safely enjoy the potential your equipment can offer you.

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CHAP.01 PREMISES

01.1 WARNINGS

- *We recommend you carefully read and follow the instructions in this manual for correct use.*
- *It should be kept with care and attentively consulted since all the warnings provide important safety instructions.*
- *Incorrect use could cause damage and injury to people, animals or property, for which the manufacturer cannot not be held liable.*
- *The appliance must be used only for its intended purpose. Any other use is deemed improper and therefore dangerous.*
- *The manufacturer declines any contractual or non-contractual liability for damages caused by errors in installation or use of the appliance or failure to follow the instructions contained in this manual.*
- *All rights on the reproduction of this technical manual are owned by Jolly Mec Caminetti S.p.A.*
- *The descriptions and illustrations provided in the following publication are not binding.*
- *Jolly Mec Caminetti S.p.A reserves the right to make any modifications that may be deemed appropriate.*
- *This manual cannot be given to third parties for perusal without the written permission of Jolly Mec Caminetti S.p.A.*
- *Do not make any unauthorised modification to the appliance. Any unauthorised modification will automatically invalidate the warranty and release the manufacture from all liability.*
- *Use only original spare parts recommended by the manufacturer. Original spare parts are available through retailers, specialised Tecnical Service Centers, or directly at the head office of Jolly Mec Caminetti S.p.A.*

01.2 SYMBOLOGY

In this manual, points of considerable importance are marked with the following symbology:



INSTRUCTION: Instructions regarding the correct use of the appliance.

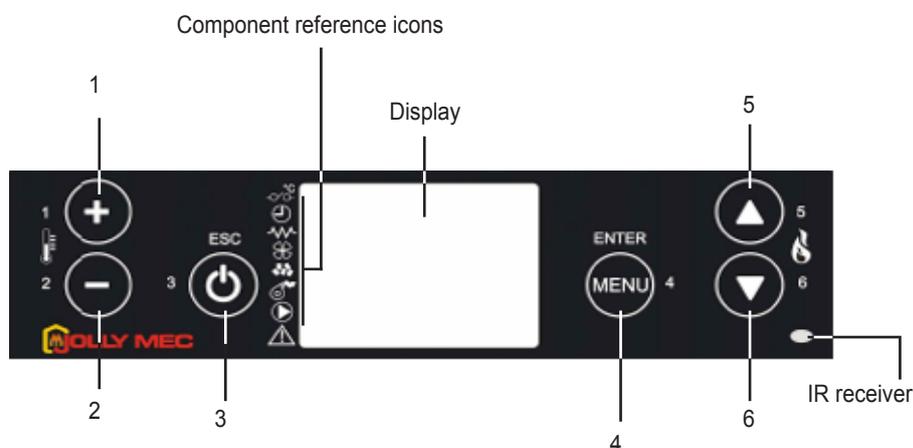


WARNING: This point is particularly important.

CHAP.02 USER INTERFACE

02.1 CONTROL DISPLAY DESCRIPTION

The control display lets you communicate with the control unit. The keys are used to transmit commands to the control unit while the display informs the user on stove operating status. Programming mode displays the various settings that can be edited using the keys.



02.2 KEY FUNCTIONS

Key	Description	Mode	Action
1	Temperature selection	QUICK ACCESS	Rapid access to adjust Set ambient temperature
	Increase	EDIT VALUE	Increases the selected setting value
	Chronothermostat	ACTIVATE CRONO	Pressed together with button 2 activates the Timer function.
2	Temperature selection	QUICK ACCESS	Rapid access to adjust Set Water temperature in the appliance
	Decrease	EDIT VALUE	Decreases the selected setting value
	Chronothermostat	ACTIVATE CRONO	Pressed together with button 2 activates the Timer function
3	On/Off - Esc - RESET	OFF	Turns on
		WORK	Turns off
		ALARM	Resets the alarm
		MENU	Returns to the previous level
4	Access Menu/Confirm	OFF	Opens the menu
		WORK	Opens the menu
		MENU	Confirms changed settings and moves to the next Menu page
5	Output selection	QUICK ACCESS	Rapid access to set the power
	Increase	EDIT VALUE	Increases output value
	Decrease page	MENU	Change page within the Menu
6	Temperature selection	QUICK ACCESS	Rapid inlet to regulate Set Temperature Puffer and Boiler
	Decrease	EDIT VALUE	Decreases output value
	Increase page	MENU	Changes page within the menu

02.3 ICON MEANINGS

A segment may or may not be found next to each icon on the display to indicate whether or not the relevant component and/or function is enabled. The functions or components associated with the various icons are:

	Room probe request		Auger gear motor
	Chronothermostat		Fume fan
	Electrical resistance		Water circulator
	Auxiliary circulator		Alarm

The image below depicts an example of a display screen which indicates that the chronothermostat function is running and the auger gear motor and electrical resistance are running.

The first row on the display shows the current time, the second row shows, from the left, room temperature and water temperature, whilst the third and fourth rows show, respectively, the device status and operating output.



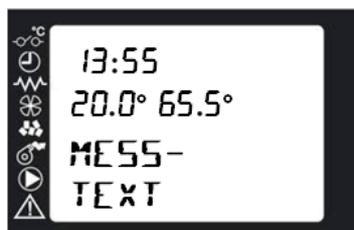
CAP.03 OPERATING MODE

03.1 APPLIANCE OPERATIONS

When the appliance is OFF, press and hold down Key 3 on the display for several seconds to turn it on. Next, the start-up message will appear on the display indicating that the switch-on procedure is made up of various phases defined in technical parameter settings and to be set by a specialised Technical Service Center. After the normal switch-on time, the device normally reaches the RUNNING condition at the set output unless fume temperature reaches the minimum admitted value and the relevant alarm message is displayed. In normal conditions the device maintains work status, running the BASKET CLEANING mode at set intervals until the set room temperature is reached (or other temperature according to the probe or set system configuration). Afterwards, it switches to ECO MODULAT- mode running at reduced regime. If STAND-BY mode is on, the device turns off after a period of time in economy mode or after this condition led to a certain increase in the reference temperature. The length of this period and the temperature increase can be set in MENU 5 – STAND BY. In STAND-BY mode, the stove automatically turns back on when the reference temperature drops under the set value. To manually turn off the stove, simply press and hold down Key 3 for several seconds. Next, FINAL CLEANING is run.

03.2 MAIN STATUS MESSAGE MEANINGS

During normal operations, the screen displays the time, room temperature, water temperature and a message that indicates device status when the message is displayed. An illustration of the main display screen appears below.



The main messages that can appear on the display and their meanings are summarised in the following table:

MESS-TEXT	Description
OFF	Message displayed when the appliance is off. It can be switched on in manual mode, using a GPRS system or chronothermostat settings.
INITIAL VENTIL-	Message displayed during the initial ventilation phase during the first start-up phase.
PRELOAD PELLET	Message displayed during the initial pellet preload phase.
WAIT FLAME	Message is displayed during the stand-by time before the pellets are ignited. The fumes temperature must reach a set value for the device to be considered ON.
FLAME ON	Message displayed when the device is on. This message remains on the screen for a short period of time while the flame stabilises and pellet ignition in the brazier is completed.
RUNNING P0	Message displayed during device operations in work mode, meaning until the temperature read by the room probe or water probe reaches the set value. The number indicated next to the letter P indicates the output level at which the device is running. If the number flashes, the device is increasing or decreasing output.
BASKET CLEANING	Message displayed during the clean brazier automatic cycle that is run at regular intervals while the stove is running. A forced ventilation cycle of the fumes extractor removes any excess unburned materials from the brazier.
FINAL CLEANING	Message displayed during the shutdown phase.
ECO MODULAT-	Message displayed when the room and/or water temperature value is reached. The appliance automatically switches to economy mode.
OK STAND-BY	The previous screen is alternated when, after a period of running in ECONOMY mode, the device enters STAND-BY and shutdown conditions are met.
OFF WAITING	Message displayed when, during the start phase, the switch off button is pressed. Device shutdown during the switch-on phase is not permitted. Therefore, the command is saved and will be run at the end of the stabilisation phase.
WAITING COOLING	Message displayed during the shutdown phase for STAND-BY mode
WAIT RESTART	Message displayed when, during the shutdown phase, the switch on button is pressed. Device start during the shutdown phase is not permitted. Therefore, the command is saved and run when the fume temperature drops under 80°C.
STAND-BY	The device is OFF, waiting to be automatically restarted by a probe signal that requests heat. The device is not completely switched off in STAND-BY status, but is OFF waiting to restart.
ORDINARY SERVICE	The device has reached the periodic servicing warning signal, to be reset with the heating stove OFF by pressing Key 3 on the home page.

03.3 MAIN SETTINGS

Use the specific keys on the control display to directly access from the main page the room, stove and, according to the adopted system configuration, the puffer and/or boiler output and temperature settings pages.

Output settings



To change the operating output, press Key **5** on the main page to immediately open the screen where you can use the Keys 5 or 6 to select from the five settable output settings. After selecting the required output level, press Key **3** to return to the main page.

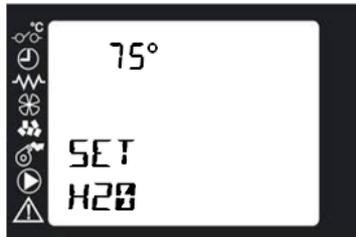
Temperature settings

To change the required temperatures, press Key **1,2 or 6** on the main page to immediately open the relevant section. The set values can be changed using keys 1 and 2 in each screen. If diagram 7 is set, press key 6 once to access the set Puffer settings, press key 6 twice to access the set Boiler settings.

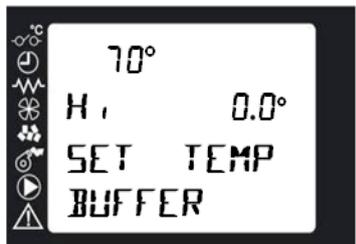
After selecting the required output level, press Key **3** to return to the main page.



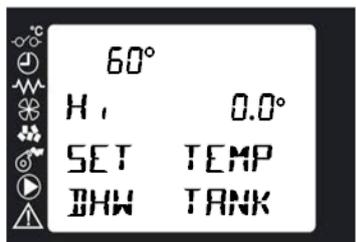
Key 1
For all Configuration



Key 2
For all Configuration



Key 6
With Configuration 5 or 7 set.
The second row represents the temperature read by the probe.



Key 6
With Configuration 6 or 7 set.
The second row represents the temperature read by the probe.

CHAP.04 USER MENU

04.1 FUNCTIONS

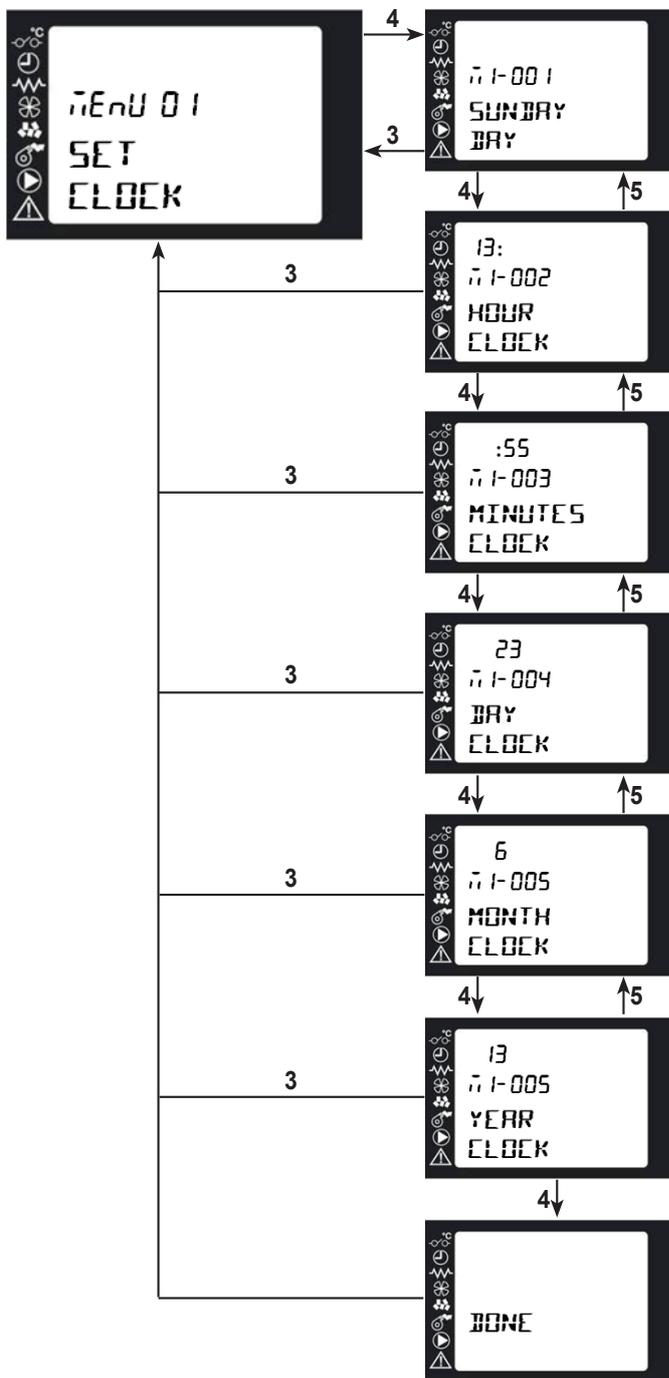
The display is divided into menus and sub-menus that can be scrolled using the control display keys. In short, main menus and their functions are:

MENU	Description
1 - SET CLOCK	Lets you set the current date and time, required for correct chronothermostat operations
2 - SET CHRONO	Lets you turn the chronothermostat and its programs on or off. The delay programme is enabled on crono page, that independently from the crono, can be used to delay start-ups and switch-offs.
3 - SET LANGUAGE	Lets you set the menu language
4 - SET PROBE	<p>Lets you set the type of room probe to be used.</p> <ul style="list-style-type: none"> Set THERMOSTAT probe type to use a thermostat to control the appliance. If a retail thermostat is used, the device must be used with clean contacts to the appliance. The Jolly Mec thermostat module is also considered a thermostat. Therefore, if an original Jolly Mec device is used, set THERMOSTAT as probe type. Set PROBE type to use the probe installed on the stove or a remote same type of probe in another room. In the latter case, the probe installed on the stove must be disconnected from the electronic card (to be done by a specialised Technical Service Center).
5 - SET STAND-BY	STAND-BY mode lets you turn off the appliance when room or water temperature requests, according to the set configuration, are met. In STAND-BY (display message) the appliance is awaiting room or accumulation tank thermostat requests to restart a switch-on cycle. The delay time delays shutdown from the moment when the requests are met. If PROBE type was set in MENU 4, the appliance will only shutdown after running in ECONOMY mode for a period of time equal to DELAY OFF time after requests are met while if THERMOSTAT type is set, the appliance will run in ECONOMY mode for twice as long as the set DELAY OFF time.
6 - SET DISPLAY	Allows you to change the device acoustic signals settings and delay the switch-off of the back-lighting.
7 - PELLETT LOAD	Lets you start manual pellet load. It can be used after the completely empty tank was filled with fuel, to fill the burner.
8 - STATE STOVE	Allows you to check the actual operating status scrolling through the various pages using Keys 5 or 6.
9 - TECHNIC SETTINGS	This menu contains the appliance settings pages that only the specialised Technical Service Center can access using a specific password.
A - REGULATE SETTING	Lets you change pellet loading and fume exhaust settings
B - COUNTER MEMORY	Lets you read some data stored in the control unit memory
C - SEASON	Lets you set either winter or summer operating mode

04.2 STRUCTURE

To open the various menus, press Key 4 when the main page is displayed on the remote control. To scroll the various menu pages, use Keys 5 and 6.

MENU 1 - SET CLOCK



M1-001 DAY

To select the current day of the week, use Keys 1 and 2 and press Key 4 to set the displayed value and move to the next page.

M1-002 HOUR CLOCK

To set the hour, use Keys 1 and 2 and press Key 4 to set the displayed value and move to the next page.

M1-003 MINUTES CLOCK

To set the minutes, use Keys 1 and 2 and press Key 4 to set the displayed value and move to the next page.

M1-004 DAY CLOCK

To select the current day, use Keys 1 and 2 and press Key 4 to set the displayed value and move to the next page.

M1-005 MONTH CLOCK

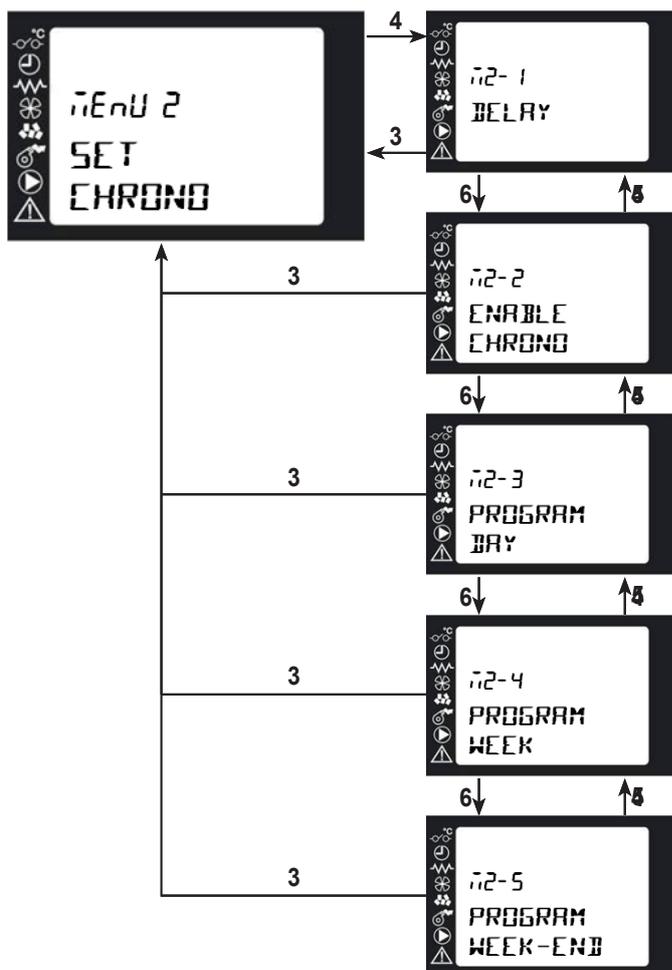
To select the current month, use Keys 1 and 2 and press Key 4 to set the displayed value and move to the next page.

M1-006 YEAR CLOCK

To select the current year, use Keys 1 and 2 and press Key 4 to set the displayed value and move to the next page.

When finished, the message DONE will be displayed to confirm correct data entry. Next, the level page automatically returns to the Menu Page.

MENU 2 - SET CHRONO



M2-1 DELAY

Lets you set a switch-on or shutdown delay time.

M2-2 ENABLE CHRONO

Lets you turn the chronothermostat function on or off.

M2-3 PROGRAM DAY

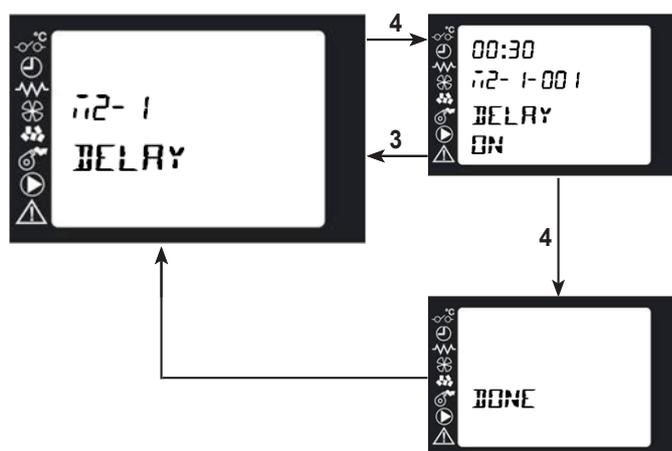
Lets you set two time ranges enabled every day of the week.

M2-4 PROGRAM WEEK

Lets you set four time ranges that can be enabled as needed during the various days of the week.

M2-5 PROGRAM WEEK-END

Lets you set two time ranges that can only be enabled on Saturday and Sunday.



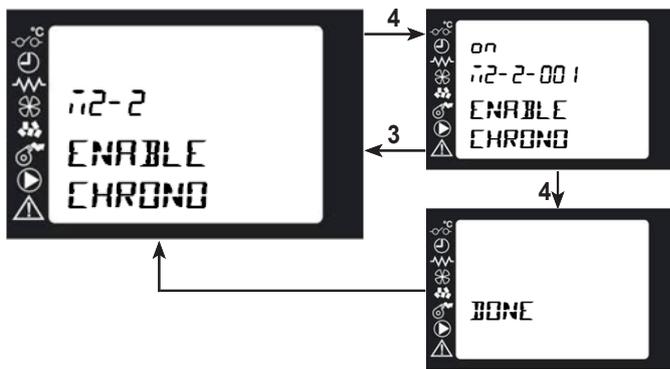
M2-1-001 DELAY

Use Keys 1 and 2 to adjust the delay time. When the appliance is OFF, set DELAY ON for deferred appliance start or, with the appliance in RUNNING, set DELAY OFF to program shutdown. The function is disabled when set to 00:00. Once the required delay is set, press Key 4 to confirm the selection and open the next page.

When finished, the message DONE will be displayed to confirm correct data entry. Next, the next level page automatically opens.



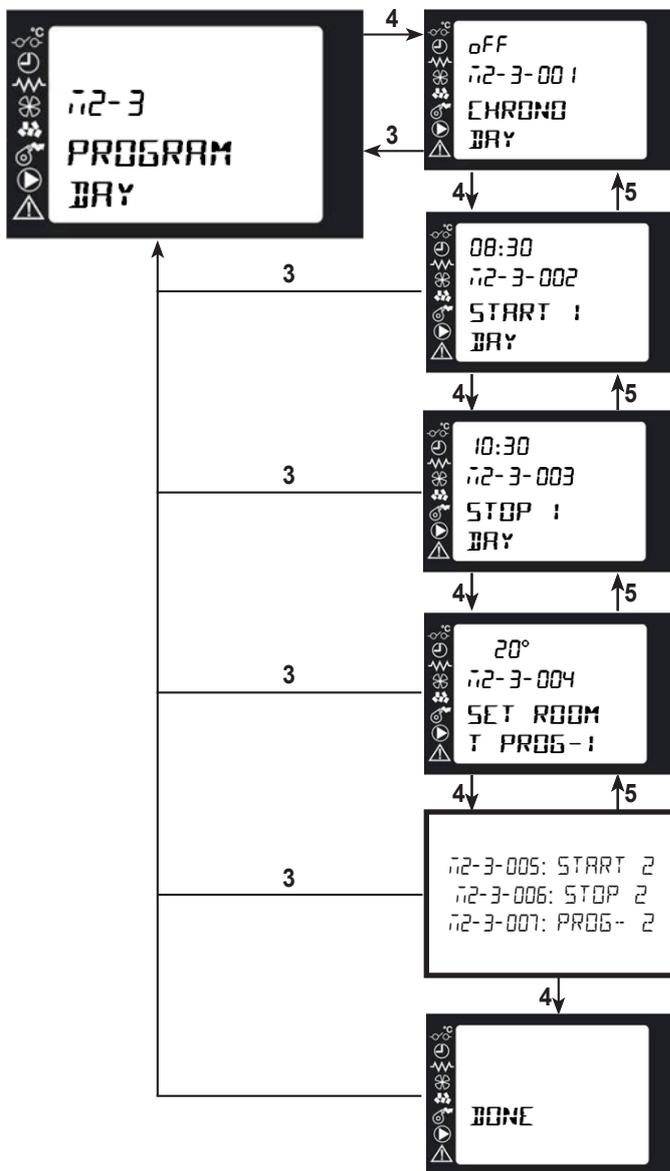
With DELAY ON (or OFF) set, the main screen displays the time countdown until the set switch-on (or shutdown). The appliance can be switched on (or shutdown) at any time even in this situation by using the normal procedure.



M2-2-001 ENABLE CHRONO

Use Keys 1 and 2 to select to enable or disable the chronothermostat function and press Key 4 to confirm the selection and move to the next page. This function can be accessed more rapidly by Keys 1 and 2 on the main page.

When finished, the message DONE will be displayed to confirm correct data entry. Next, the level page automatically returns to the Menu Page.



M2-3-001 CHRONO DAY

Use Keys 1 and 2 to select to enable or disable the DAY TIMER function and press Key 4 to confirm the selection and move to the next page.

M2-3-002 START 1 DAY

Use Keys 1 and 2 to set the start time for the first operating time range permitted by the function and press Key 4 to confirm the selection and move to the next page. Set OFF to disable the time range.

M2-3-003 STOP 1 DAY

Use Keys 1 and 2 to set the end time for the first operating time range permitted by the function and press Key 4 to confirm the selection and move to the next page.

M2-3-004 SET ROOM T PROG- 1

Use Keys 1 and 2 to set the room temperature value to be reached in the first time range and then press Key 4 to confirm the selection and move to the next page*.

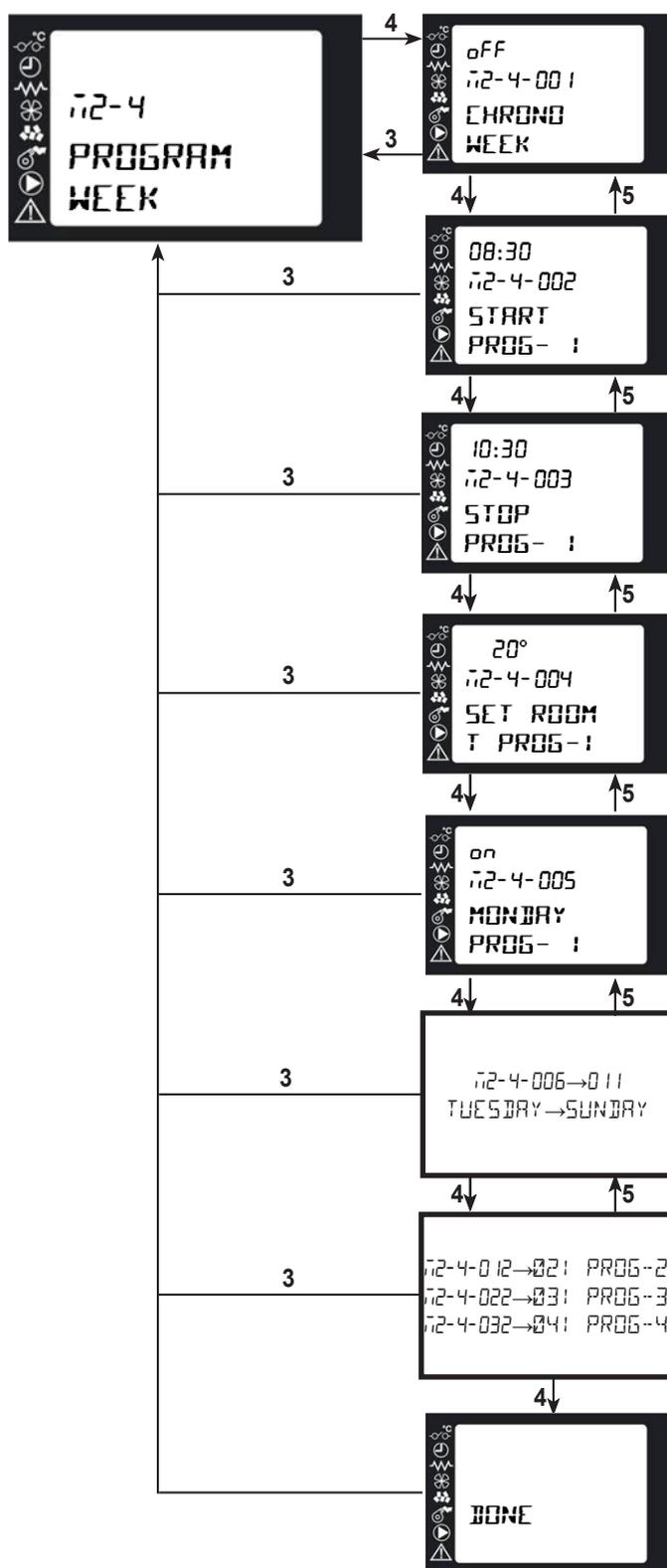
The next three screens, similar to the previous three, let you set the same parameters for the second operating time range permitted by the function.

When finished, the message DONE will be displayed to confirm correct data entry. Next, the level page automatically returns to the Menu Page.

NOTE

* The room set value is not considered if THERMOST was set as the room probe in MENU 4.





M2-4-001 CHRONO WEEK

Use Keys 1 and 2 to enable or disable the CHRONO WEEK function and press Key 4 to confirm the selection and move to the next page.

M2-4-002 START PROG- 1

Use Keys 1 and 2 to set the start time for the first operating time range permitted by the function and press Key 4 to confirm the selection and move to the next page.

M2-4-003 STOP PROG- 1

Use Keys 1 and 2 to set the end time for the first operating time range permitted by the function and press Key 4 to confirm the selection and move to the next page.

M2-4-004 SET ROOM T PROG- 1

Use Keys 1 and 2 to set the room temperature value to be reached in the first time range and then press Key 4 to confirm the selection and move to the next page*.

M2-4-005 MONDAY PROG-1

Use Keys 1 and 2 to select to enable or disable the program created for the displayed day and press Key 4 to confirm and move on to programming the following days of the week.

The following screens let you make the same selections for the following days of the week.

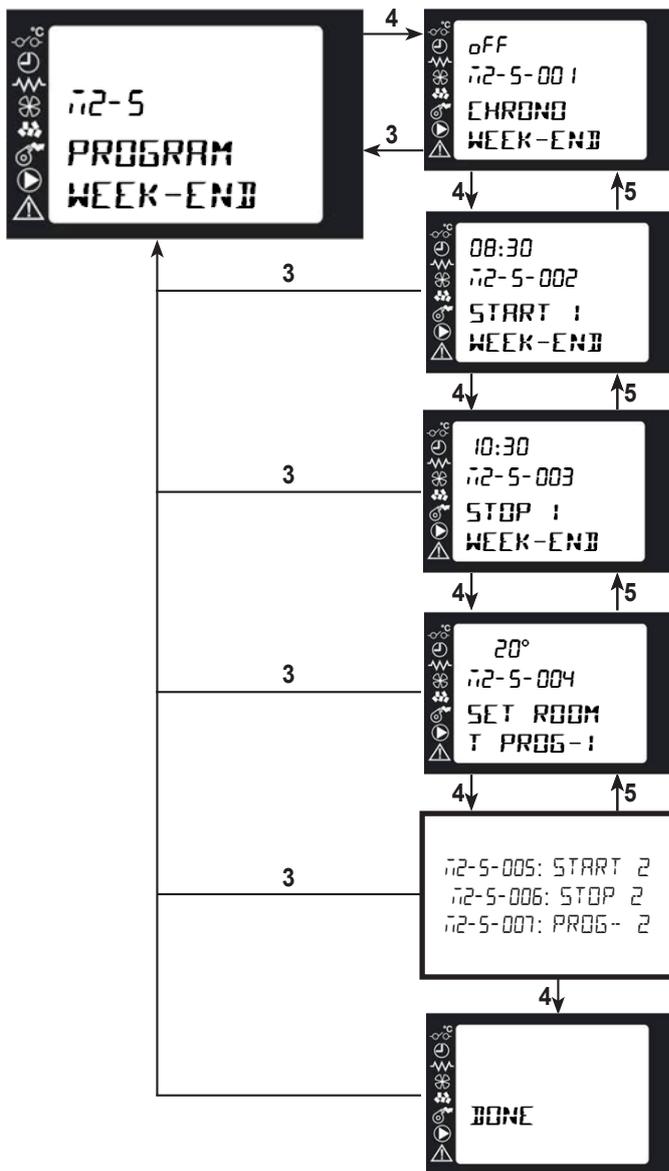
Continuing through the menu you can set, with a similar sequence, the other three programmable time ranges.

When finished, the message DONE will be displayed to confirm correct data entry. Next, the level page automatically returns to the Menu Page.

NOTE

*The room set value is not considered if THERMOST was set as the room probe in MENU 4.





M02-05-001 CHRONO WEEK-END

Use Keys 1 and 2 to select to enable or disable the CHRONO WEEK-END function and press Key 4 to confirm the selection and move to the next page.

M02-05-002 START 1 WEEK-END

Use Keys 1 and 2 to set the start time for the first operating time range permitted by the function and press Key 4 to confirm the selection and move to the next page.

M02-05-003 STOP 1 WEEK-END

Use Keys 1 and 2 to set the end time for the first operating time range permitted by the function and press Key 4 to confirm the selection and move to the next page.

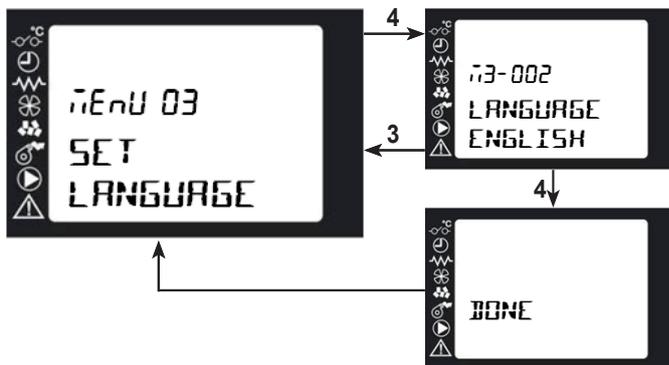
M02-05-004 SET ROOM T PROG- 1

Use Keys 1 and 2 to set the room temperature value to be reached in the first time range and then press Key 4 to confirm the selection and move to the next page*.

The next three screens, similar to the previous three, let you set the same parameters for the second operating time range permitted by the function.

When finished, the message DONE will be displayed to confirm correct data entry. Next, the level page automatically returns to the Menu Page.

MENU 3 - SET LANGUAGE



M3-003 LANGUAGE

Use Keys 1 and 2 to select the required language from the four available European languages (ITALIAN, ENGLISH, GERMAN and FRENCH) and press Key 4 to confirm.

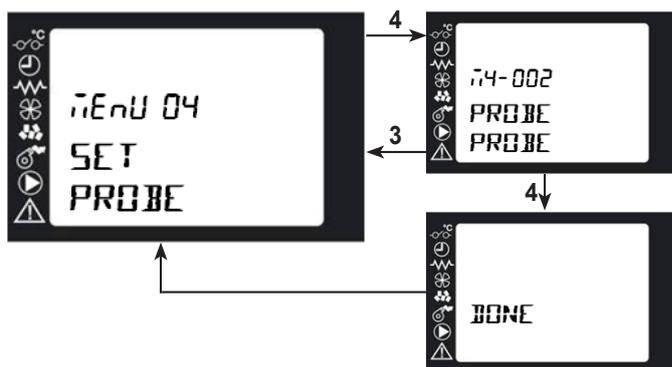
When finished, the message DONE will be displayed to confirm correct data entry. Next, the level page automatically returns to the Menu Page.

NOTE

*The room set value is not considered if THERMOST was set as the room probe in MENU 4.



MENU 4 - SET PROBE

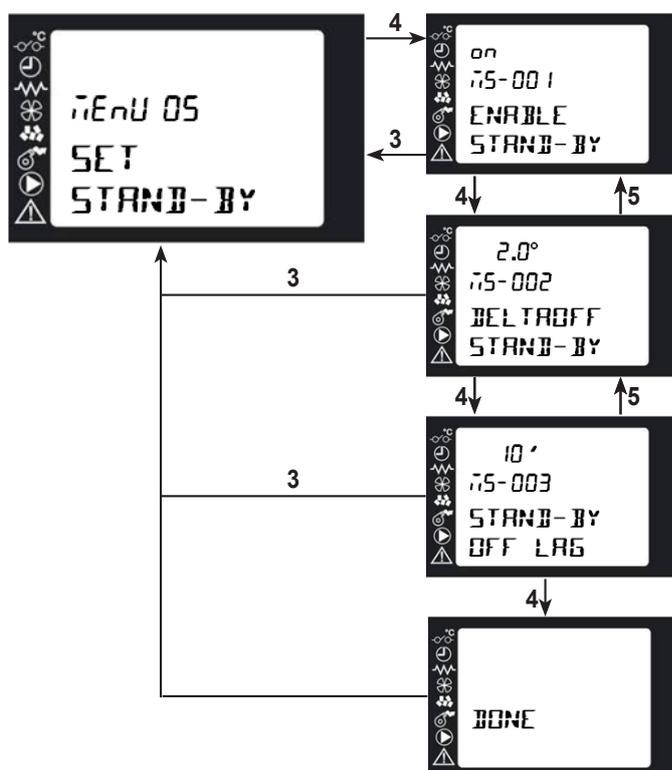


M4-001 PROBE

Use Keys 1 and 2 to select the required probe type from those available (PROBE, THERMOST) and press Key 4 to confirm.

When finished, the message DONE will be displayed to confirm correct data entry. Next, the level page automatically returns to the Menu Page.

MENU 5 - SET STAND-BY



M5-001 ENABLE STAND-BY

Use Keys 1 and 2 to enable stand-by and press Key 4 to confirm and move to the next page. STAND-BY in system configurations 5 and 7, summer and winter mode, and in configuration 6, summer mode, is automatically enabled.

M5-002 DELTAOFF STAND-BY

Use Keys 1 and 2 to set the temperature delta between the actual and set room and stove water temperatures that must be reached to permit shutdown. Next press Key 4 to confirm.

Min. 0,0°C, Max. 15,0°C, Recommended 2,0°C

M5-003 STAND-BY OFF LAG

Use Keys 1 and 2 to set shutdown delay time and press key 4 to confirm.

Min. 3 min, Max. 120 min. Recommended 10 min

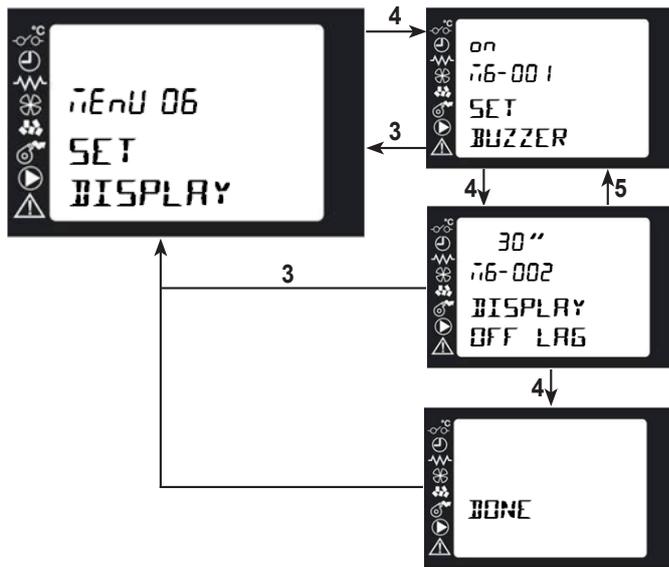
When finished, the message DONE will be displayed to confirm correct data entry. Next, the level page automatically returns to the Menu Page.

NOTE



We do not recommend you enable STAND-BY mode when the appliance is repeatedly turned on and off during the day. Turning a pellet fuelled water heating product on and off more than four times a day is considered less beneficial than continuous operations in economy mode.

MENU 6 - SET DISPLAY



M6-001 SET BUZZER

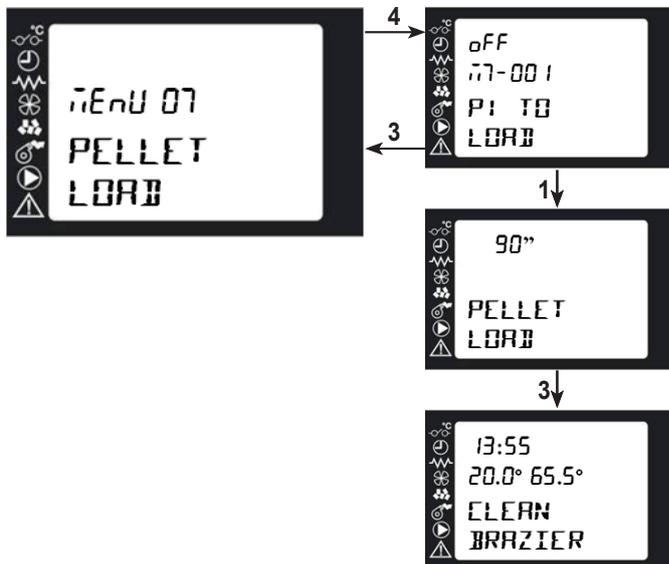
Use Keys 1 and 2 to mute the buzzer when alarms occur and press Key 4 to confirm and move to the next page. In this case, no buzzer will sound when the stove malfunctions.

M6-002 DISPLAY OFF LAG

Use Keys 1 and 2 to set the display back-lighting shutdown delay time. When a 0 value is set, the display will always remain on.

When finished, the message DONE will be displayed to confirm correct data entry. Next, the level page automatically returns to the Menu Page.

MENU 7 - PELLET LOAD



M7-001 P1 TO LOAD

Press Key 1 to confirm pellet load start.

The maximum load time is 90 seconds, according to software settings.

This operation can be interrupted by pressing Key 3.

When finished loading, message CLEAN BRAZIER appears on the main screen to remind the user to clean the brazier before re-igniting the stove.

The electrical contact installed between the device body and the door detects the open door status. If it is not opened, it is not possible to reset the CLEAN BRAZIER message. After opening the door and cleaning the firebox, press Key 3 to cancel the message and return to the main page that will display the OFF message.

WARNING



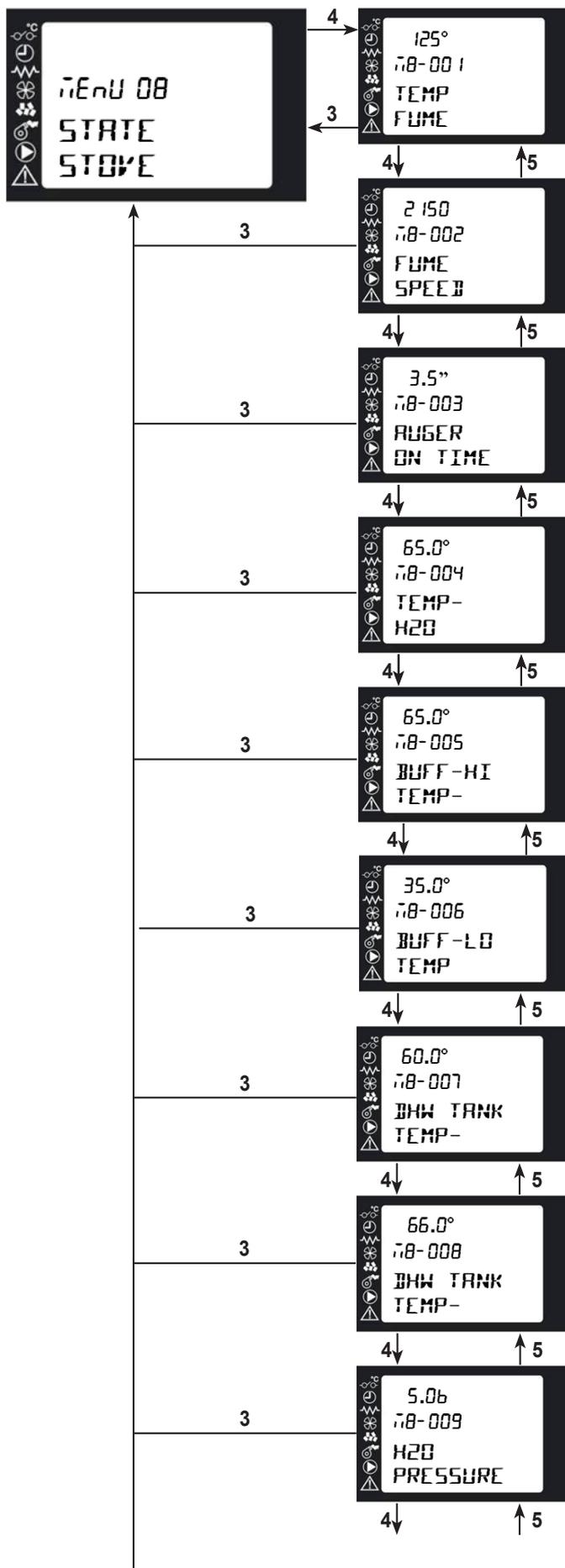
The pellet loader must be used when the auger is empty, after a NO PELLETS alarm, or after maintenance or cleaning of the container.

After loading the pellets, it is mandatory to open the device door and empty the firebox.

THE BRAZIER MUST BE FULLY EMPTY EACH TIME THE STOVE IS TURNED ON.

NEVER pour the pellets removed from the firebox into the device hopper.

MENU 8 - STATE STOVE



M8-001 TEMP FUME

Fume temperature is displayed in this page.

M8-002 FUME SPEED

Fume fan speed (rpm) is displayed in this page.

M8-003 AUGER ON TIME

Pellet load auger operating time is displayed in this page.

M8-004 TEMP H2O

Water temperature in the appliance is displayed in this page.

M8-005 BUFF- HI TEMP-

Puffer high temperature is displayed in this page.

M8-005 BUFF- HI TEMP-

Puffer low temperature is displayed in this page.

M8-007 DHW TANK TEMP-

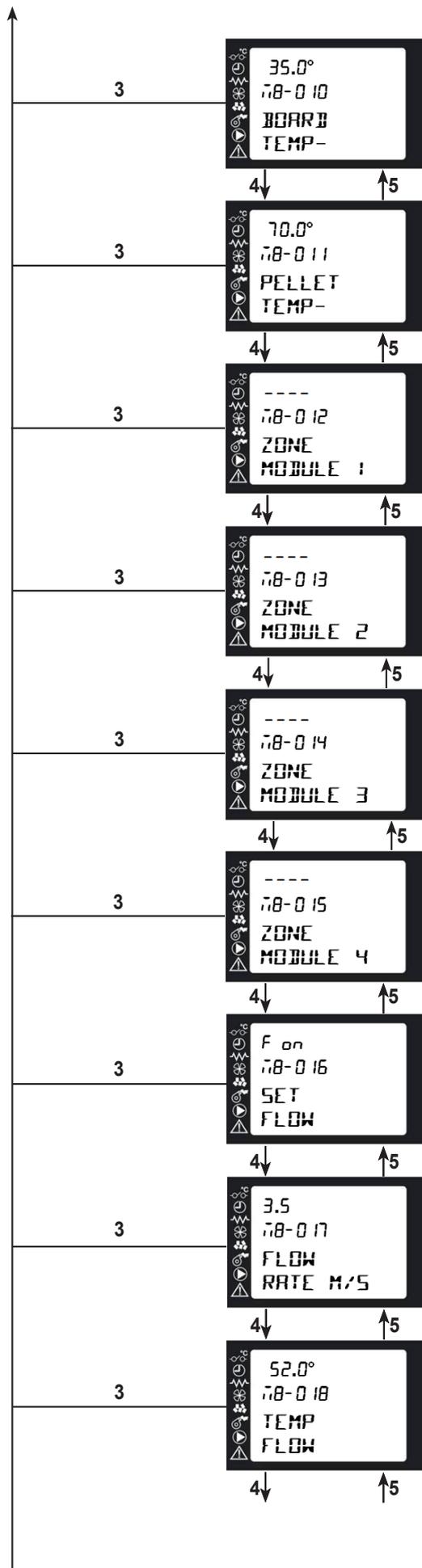
Boiler low temperature is displayed in this page.

M8-007 DHW TANK TEMP-

Boiler high temperature is displayed in this page.

M8-008 H2O PRESSURE

Water pressure in the appliance is displayed in this page.



M8-011 BOARD TEMP-

Electronic board temperature is displayed in this page.

M8-011 PELLET TEMP-

Safety temperature is displayed in this page.

M8-012 ZONE MODULE 1

Zones in request in the first zone module are displayed in this page.

M8-012 ZONE MODULE 2

Zones in request in the second zone module are displayed in this page.

M8-012 ZONE MODULE 3

Zones in request in the third zone module are displayed in this page.

M8-012 ZONE MODULE 4

Zones in request in the fourth zone module are displayed in this page.

M8-016 SET FLOW

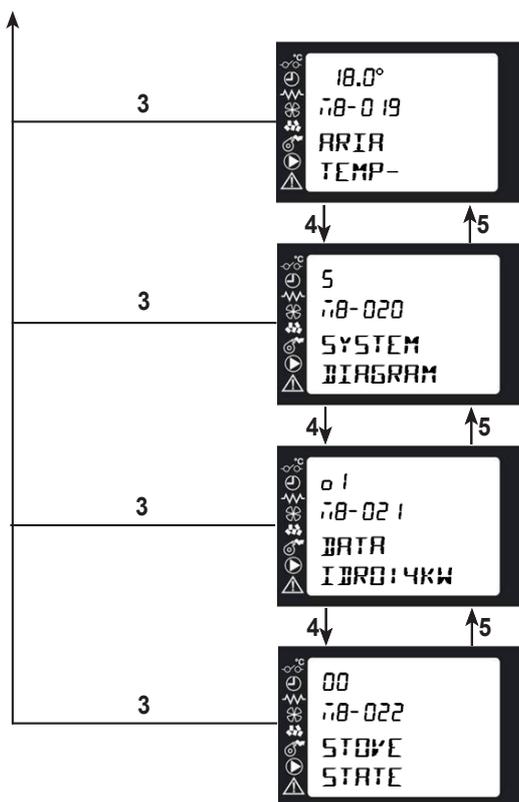
The comburent air flow control status is displayed in this page (for models with these settings).

M8-017 FLOW RATE M/S

The comburent air flow is displayed in this page (for models with these settings).

M8-018 TEMP- FLOW

The debimeter heated sensor temperatures are displayed in this page (for models with these settings).



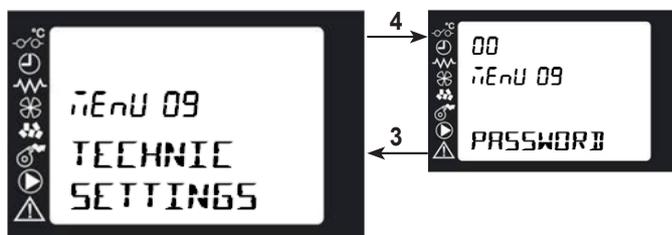
M8-019 AIR TEMP-
The debimeter inlet air temperature is displayed in this page (for models with these settings).

M8-020 SYSTEM DIAGRAM
The set system configuration is displayed in this page.

M8-021 DATA
The active database is displayed in this page.

M8-022 STATE STOVE
Appliance status is displayed in this page.

MENU 9 - TECHNIC SETTINGS



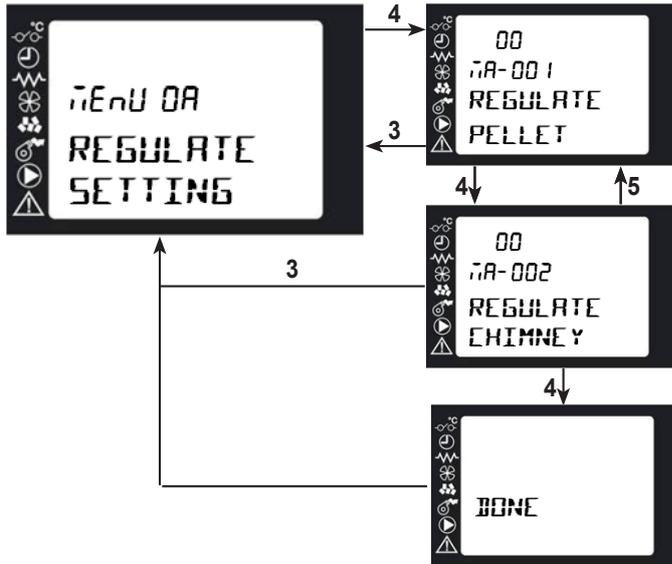
Password protected Menu reserved to the Jolly Mec Customer Service (CAT) technician.

NOTE



The service technician can update all stove functional settings in MENU 9 - TECHNIC SETTINGS. Each intervention of this type resets factory settings with the consequent loss of all user settings..

MENU A - REGULATE SETTING



MA-001 REGULATE PELLET

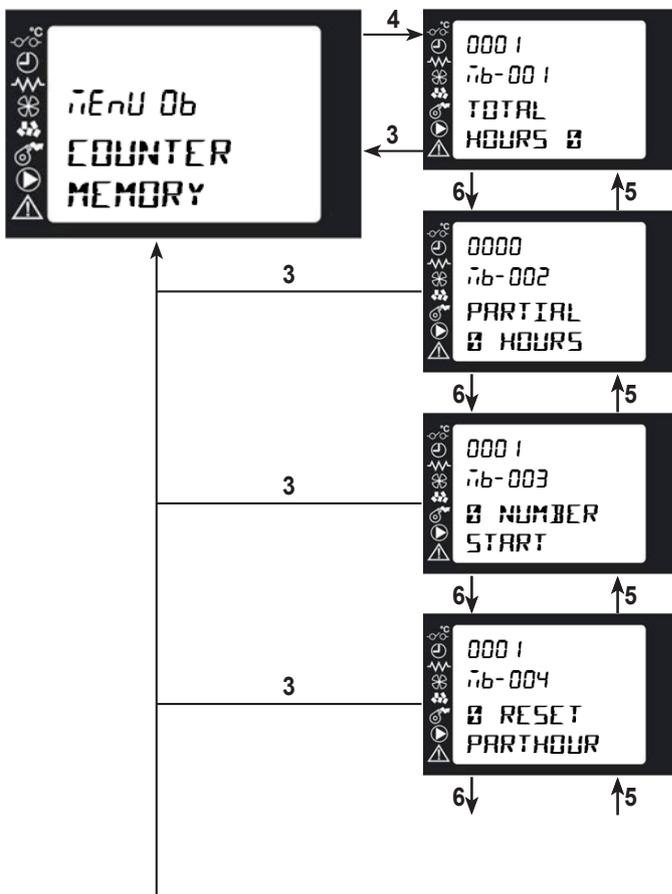
Use Keys 1 and 2 to adjust the quantity of pellets between -09 and +09 corresponding to $\pm 3\%$ each unit and press Key 4 to confirm and move to the next page.

MA-002 REGULATE CHIMNEY

Use Keys 1 and 2 to adjust fume exhaust speed between -09 and +09 corresponding to $\pm 3\%$ each unit and press Key 4 to confirm and move to the next page.

When finished, the message DONE will be displayed to confirm correct data entry. Next, the level page automatically returns to the Menu Page.

MENU B - COUNTER MEMORY



Mb-001 TOTAL HOURS

Total operating hours are displayed in this page.

Mb-002 PARTIAL HOURS

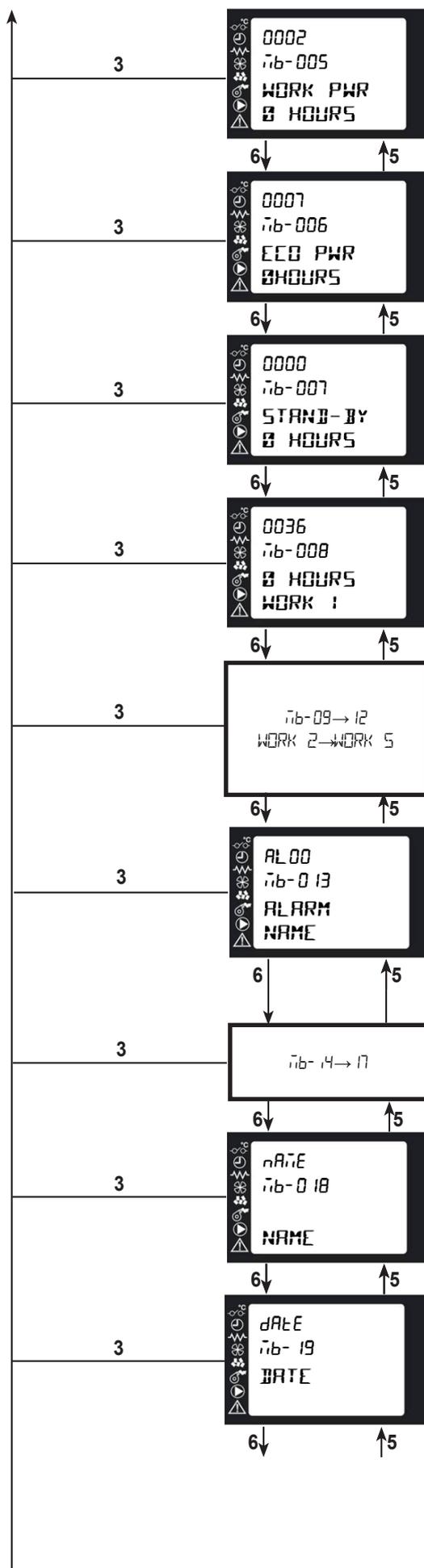
Partial operating hours are displayed in this page.

Mb-003 NUMBER START

The number of starts is displayed in this page.

Mb-004 RESET PARTHOUR

The number of partial hour resets is displayed in this page.



Mb-005 WORK PWR HOURS

The number of appliance working hours is displayed in this page. Work hours refers to the total of the 5 outputs and eco output.

Mb-006 ECO PWR HOURS

The number of working hours in ECONOMY mode is displayed in this page.

Mb-007 STAND-BY HOURS

The number of hours in STAND-BY mode is displayed in this page.

Mb-008 HOURS WORK 1

The number of total operating hours at minimum output is displayed in this page.

These pages, similar to the previous page, display total operating hours at the various output levels.

Mb-013

The first alarm stored in the memory is displayed on this page. The following appear on the screen alternately:

- AL00 Alarm code
- 000 Alarm name
- 02/07/14 Alarm date
- ALARM NAME Alarm counter

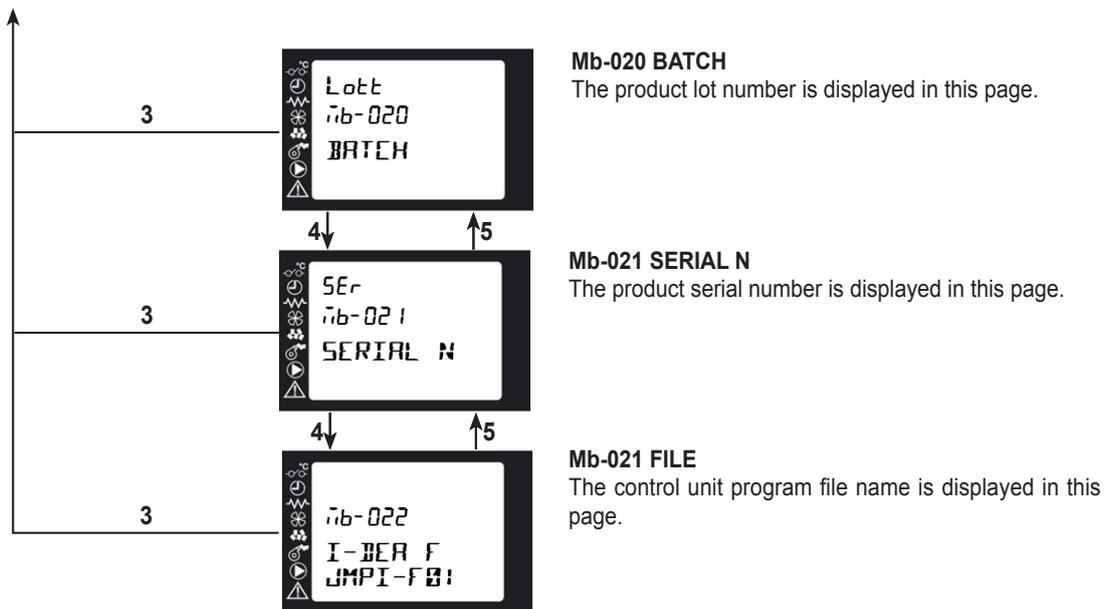
Similar to the previous pages, the other four alarms saved in the control unit memory are displayed in these pages.

Mb-018 NAME

The product name is displayed in this page.

Mb-019 DATE

The appliance production date is displayed in this page.



NOTE



When the counter reaches a value of 9999, displayed on the first row, the next increase will reset the first row counter and increase by one unit the counter on row three next to the HOURS message.

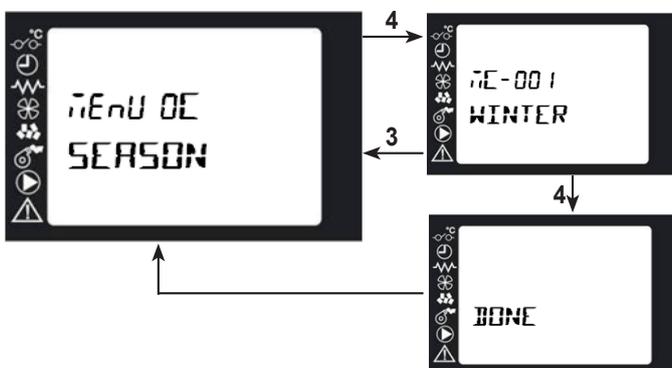
For example, the message:



will indicate that the device has operated for a total of 10025 hours.

This detail is valid for all subsequent counters included in the menu.

MENU C - SEASON



MC-001 SEASON

Use Keys 1 and 2 to set WINTER or SUMMER operating mode and press Key 4 to confirm.

When finished, the message DONE will be displayed to confirm correct data entry. Next, the level page automatically returns to the Menu Page.

CHAP.05 FAULT DIAGNOSIS AND TROUBLESHOOTING

05.1 ALARM MESSAGES

Following is an overview on appliance alarms linked to the probable causes and some potential solutions. If an alarm occurs with a certain frequency, contact the specialised Technical Service Center.. Alarm alert screens appear as illustrated below:



Alarm code	Alarm text	Alarm causes	Main solutions
AL01	POWER OUTAGE	<ul style="list-style-type: none"> No power supply. A black out occurred during normal operations for an interval longer than the BLACK-OUT parameter. 	<ul style="list-style-type: none"> Make sure the electrical connection between the socket on the appliance and power cord is correct. Make sure the fuse in the socket is integral. Make sure appliance wiring terminals are tight.
AL02	SMOKE PROBE	<ul style="list-style-type: none"> Fume probe fault or not electrically connected correctly to the electronic board. 	<ul style="list-style-type: none"> Make sure the following are correctly connected: Red wire to terminal + and J type thermocouple probe.
AL03	HOT SMOKE	<ul style="list-style-type: none"> Fume temperature over 260°C limit. 	<ul style="list-style-type: none"> Contact the specialised Technical Service Center . An incorrect value was set in MAX RUN THRESH-
AL04	BROKEN FAN EXT--	<ul style="list-style-type: none"> Fume fan speed does not match the set point 	<ul style="list-style-type: none"> Contact the specialised Technical Service Center, fume fan settings may required adjustments based on draught. Visually and manually ensure the fan freely rotates. Fume exhaust fan could be broken. Check fan wiring and ENCODER terminal wiring to the unit.
AL05	IGNITION FAILED	<ul style="list-style-type: none"> Minimum fume temperature not reached within maximum ignition time The Pr17 has not been reached within the maximum Pr1 time 	<ul style="list-style-type: none"> Check pellet content in the tank. Make sure the pellet load auger works correct (start the component from menu PELLETT LOAD, MENU 7. After completing the Load Pellet sequence in MENU 7, the brazier must be emptied, i.e. the stove must be started up with a clean brazier). Check brazier cleanliness. Before restarting the stove, it is necessary to empty the brazier, that is restarting the stove with a clean brazier. Check correct brazier position. Make sure the electrical resistance works (start the component from menu TEST OUTPUTS).

Alarm code	Alarm text	Alarm causes	Main solutions
AL06	NO MORE PELLETS	<ul style="list-style-type: none"> The fumes temperature drops below the Pr47 value. 	<ul style="list-style-type: none"> Pellet tank empty, top up. Adjust pellet flow and fume exhaust fan speed to keep minimum flame. Before restarting, pellet load may be required from MENU 7. Fully emptying the tank generally also requires the load auger to be emptied and causes ignition with scarce pellets and thus the chance of IGNITION FAILED alarm. After completing the Load Pellet sequence in Menu 7, the brazier must be emptied, i.e. the stove must be started up with a clean brazier.
AL07	SAFETY THERMOST	<ul style="list-style-type: none"> Tripped pellet hopper housing safety thermostat. 	<ul style="list-style-type: none"> Check that the thermostat is in block position. Check the amount of pellets in the firebox, there may be too much. Check the aeration grid on the back of the device, it may be dirty and not allow enough cooling air to flow.
AL08	LOWPRESS FAILURE	<ul style="list-style-type: none"> Safety pressure switch triggered on fume exhaust fan delivery. 	<ul style="list-style-type: none"> Check flue cleanliness Make sure flue passage is not especially winding (see CHAP.07.2 - FLUE OR FUME EXHAUST SYSTEM). Check fume fan cleanliness Make sure the door is closed.
AL09	H2O PROBE FAILURE	<ul style="list-style-type: none"> Water probe broken or incorrectly wired. 	<ul style="list-style-type: none"> Make sure the two probe wires are correctly inserted in the terminal. There are no mandatory connection directions for IN2 terminals Replace the water probe.
AL10	STOVE H2O OVERHEAT	<ul style="list-style-type: none"> Water temperature in the stove exceeded 85°C. 	<ul style="list-style-type: none"> Make sure the pump outlet to the system heating circuit is open in the event of dissipation, that there are not passageway obstructions due to zone solenoid valve triggered by external components. Make sure that the pump and device are working properly. Make sure that the system and device air venting has been completed. Make sure any device isolating valves are open.
AL11	H2O MAX PRESSURE	<ul style="list-style-type: none"> Water pressure reached maximum 2.7 bar value. 	<ul style="list-style-type: none"> Check circuit pressure adjusting cold system pressure to 1.0 bar. In some cases, an expansion tank may be required for the large amount of water in the system. Make sure the safety valve is connected to the drain. Make sure air was correctly released from the heating system. Check the pressure probe connection, it may have disconnected.
AL12	LOW AIR DRAFT	<ul style="list-style-type: none"> If a flow sensor is installed on the model, it indicates that comburent air flow is not sufficient for combustion. 	<ul style="list-style-type: none"> Make sure the comburent air intake tube is not obstructed or dirty. Check that the sensor is perfectly clean. Check that the fume deflector inside the combustion chamber is perfectly clean. Check that all the firebox air flow holes are perfectly clean. Check that the fume inspection cap is firmly closed. Make sure the door is closed.
AL13	NON-STOP PEL LOAD	<ul style="list-style-type: none"> Pellet load is continuous and thus incorrect. 	<ul style="list-style-type: none"> Make sure load start parameters are correct. Make sure the board has not overheated. Contact the specialised Technical Service Center.
AL14	ABNORMAL FLAME	<ul style="list-style-type: none"> Fume temperature during flame stabilisation does not correctly increase. 	<ul style="list-style-type: none"> Make sure functional settings are correct. Check for any auger jams or clogs.

Alarm code	Alarm text	Alarm causes	Main solutions
AL15	M-BOARD SECURITY	<ul style="list-style-type: none"> Electronic board temperature has exceeded the safety threshold. 	<ul style="list-style-type: none"> Make sure room aeration is correct. Check appliance operating settings, they could generate excessive overheating in the machine body. Check the aeration grid on the back of the device, it may be dirty and not allow enough cooling air to flow.
AL16	SAFETY SENSOR	<ul style="list-style-type: none"> If the temperature sensor is installed on the model, it signals that the temperature in the appliance cladding has exceeded the maximum admitted value. 	<ul style="list-style-type: none"> Make sure room aeration is correct. Check appliance operating settings, they could generate excessive overheating in the machine body. Check the aeration grid on the back of the device, it may be dirty and not allow enough cooling air to flow.
AL17	HI-PROBE BUFFER	<ul style="list-style-type: none"> The Puffer Hi probe is disconnected or broken. 	<ul style="list-style-type: none"> Check probe wiring. If correct, replace the probe.
AL18	DHW HI FAILURE	<ul style="list-style-type: none"> The boiler probe is disconnected or broken. 	<ul style="list-style-type: none"> Check probe wiring. If correct, replace the probe.
AL19	THERMIC WATER	<ul style="list-style-type: none"> Stove water manual reset safety thermostat triggered. 	<ul style="list-style-type: none"> Make sure functional settings are correct. Make sure hydraulic connections are correct and that there are no intercepts between the boiler and system.
AL21	ROOMPROB FAILURE	<ul style="list-style-type: none"> If PROBE is set as room probe, the measured value is not correct read. 	<ul style="list-style-type: none"> Check probe wiring. If correct, replace the probe.
AL22	LO PROBE BUFFER	<ul style="list-style-type: none"> The Puffer Lo probe is disconnected or broken. 	<ul style="list-style-type: none"> Check probe wiring. If correct, replace the probe.
AL23	PELLET LEVEL	<ul style="list-style-type: none"> If the level sensor is installed on the model, it signals that the pellet level in the container is lower than the sensor. 	<ul style="list-style-type: none"> Fill the container with fuel.
AL24	H2O MIN PRESSURE	<ul style="list-style-type: none"> System pressure is under 0.5 bar, read only set. 	<ul style="list-style-type: none"> Check system water load.
AL26	DOOR OPEN	<ul style="list-style-type: none"> The combustion chamber door was left open during operations. 	<ul style="list-style-type: none"> Check the microswitch electrical connections. The device must only be used with the combustion chamber door closed.
AL27	DHW LO FAILURE	<ul style="list-style-type: none"> The boiler Lo probe is disconnected or broken. 	<ul style="list-style-type: none"> Check probe wiring. If correct, replace the probe.
AL28	SERVICE 24H	<ul style="list-style-type: none"> The device continuously remained on for over 24 hours. 	<ul style="list-style-type: none"> Thoroughly clean all the parts, firebox, ash pan, inspection cap, exchanger, glass, firebox holder and then turn the device back on.

Each safety alarm shuts down the stove. However, not all alarms indicate actual danger must are just warnings or alerts. To resume normal operating conditions, press Key **3** ESC and wait until the FINAL CLEANING procedure terminates and the message OFF disappears from the screen. Fix the problem that generated the alarm before turning the stove back on.

WARNING


By-passing or ignoring alarms and continuing to use the product could damage people and/or property for which the manufacturer cannot be held liable. All alarms are saved and logged. Continuous product use in incorrect conditions could null and void the warranty.



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