



TOUCH

MULTIFUNCTION CONTROL PANEL

ELECTRIC OVENS

OPERATION MANUAL

IMPORTANT

Read this document carefully before using the device and follow all instructions. Keep this document with the device for future reference. Use the device only as described in this document.

Welcome
to the new multifunction
control panel

TOUCH



TOUCH

OPERATION MANUAL ELECTRIC OVENS

AVAILABLE CONFIGURATIONS

A • ELECTRIC COOKING

- CEILING HEATING ELEMENTS
- BEDPLATE HEATING ELEMENTS
- ROTATING SURFACE

Dear user
MAM FORNI is pleased
to introduce you
to a new experience
due to the use of its
new control panel













- 4** INTRODUCTION
- 6** BASIC SETTINGS
- 14** CEILING HEATING
ELEMENTS
- 18** PRE-HEAT
- 20** ROTATING SURFACE
- 24** BEDPLATE HEATING
ELEMENTS
- SPECIAL FUNCTIONS
- 26** Memo - Favourites
- 30** Multi-cooking
- 34** ALARMS

IMPORTANT

Before starting the panel, check that nothing prevents the correct operation of the oven and that all installation operations have been carried out as prescribed in the related manual.

- 1 • Check that the control board is installed correctly
- 2 • Carry out the electrical connection
- 3 • Activate the control panel by pressing the ON/OFF start button
- 4 • In this state, you can start using the oven

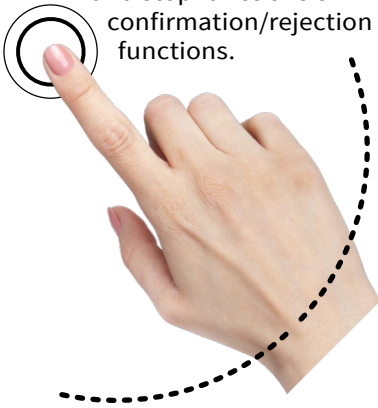
PANEL CONTROL'S MAIN ICONS

					
ON/OFF START BUTTON	SETUP	CEILING HEATING ELEMENTS	BEDPLATE HEATING ELEMENTS	POWERED BY WOOD	POWER MANAGEMENT
					
AUTOMATIC MODE	MANUAL MODE	ROTATING SURFACE START	QUICK COOKING CYCLE	MULTI-COOKING	FAVOURITES

PRESS OF THE ICONS TO ACTIVATE FUNCTIONS

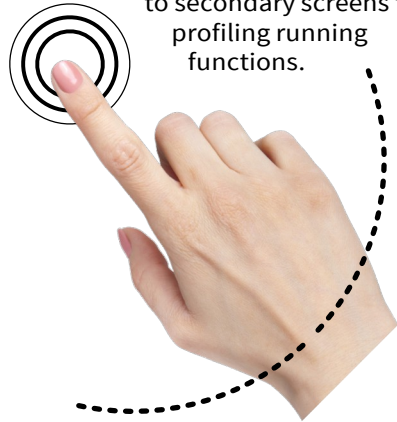
SINGLE PRESS OF ICONS OR MESSAGES

It enables and disables start and stop functions or confirmation/rejection functions.

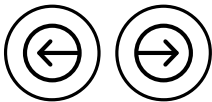


LONG PRESS OF ICONS OR MESSAGES

It enables the opening or access to secondary screens for profiling running functions.



NAVIGATION BUTTONS OF SETUP SCREENS



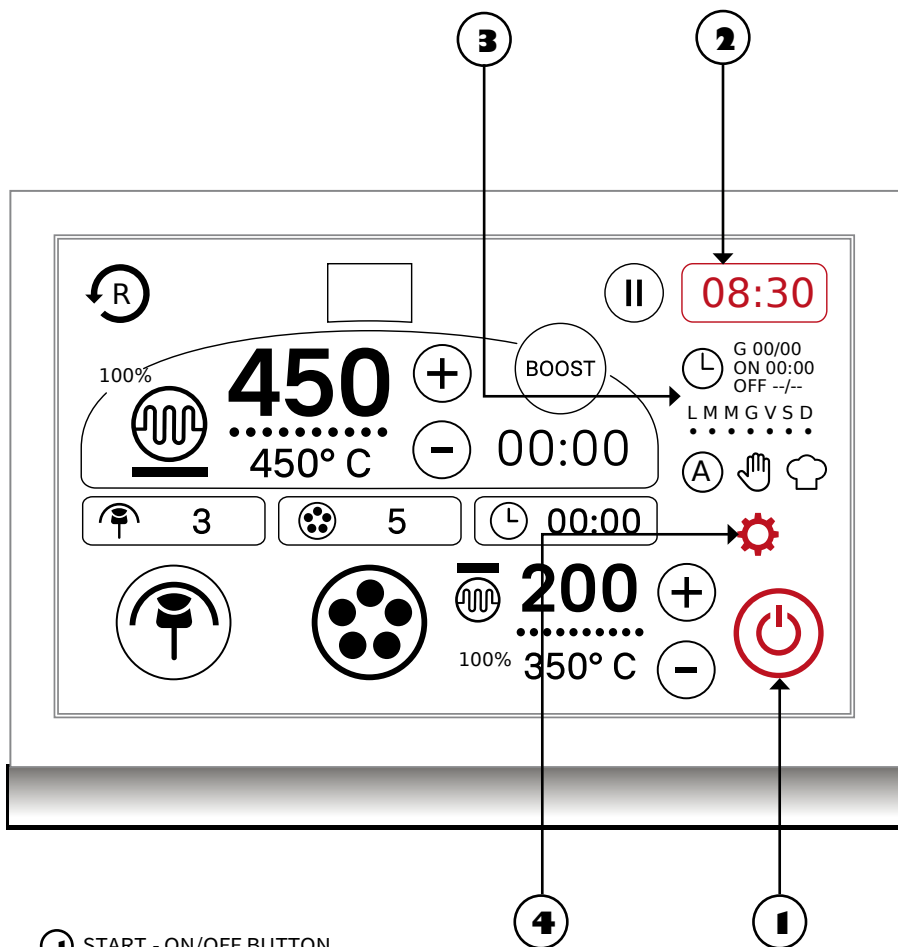
**WHITE
ARROW BUTTONS**
allow you to move
between screens



**ORANGE
HOME BUTTON**
restores
main screens



**CONFIRM AND CANCEL
BUTTONS**
(green and red respectively)
confirm or cancel
the selected settings



- ① START - ON/OFF BUTTON
- ② CLOCK
- ③ START PROGRAMMES
- ④ SETUP



BASIC SETTINGS

MENU
0

SN: xxxxxxxxxxxxxxxxxxxx

Main Burner : NG o LPG

Auxiliary Burner : NG o LPG

INFO SERVICE



MENU 0:
INFO SERVICE
It shows the Serial Number and all the main features of the burner controlled by this panel.

MENU
1

DATE AND TIME

D

M

Y

H

M

28

11

2020

10

26

THURSDAY

-

+



MENU 1:
DATE AND TIME
It adjusts the calendar and clock settings.



WARNING

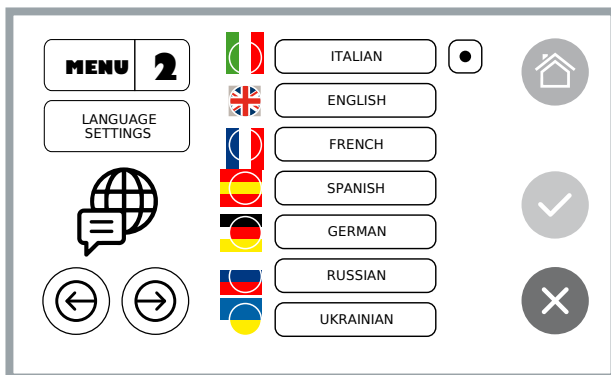
You can log into the DATE and TIME menu also directly from main screen, by holding the clock icon.





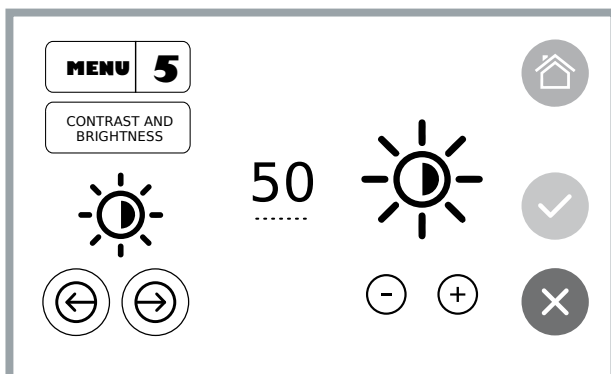
MENU 2: PANEL LANGUAGE SETTING

From this screen, you can select the language you want to use on the panel



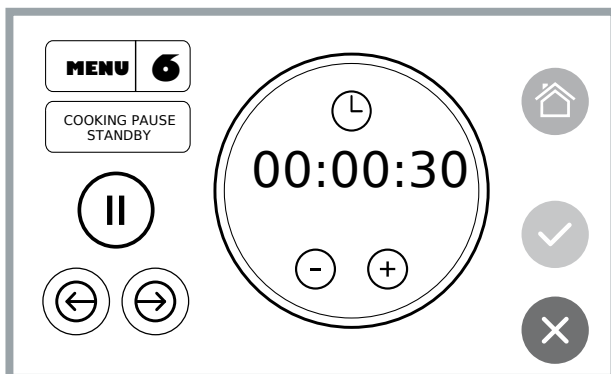
MENU 5: CONTRAST AND BRIGHTNESS

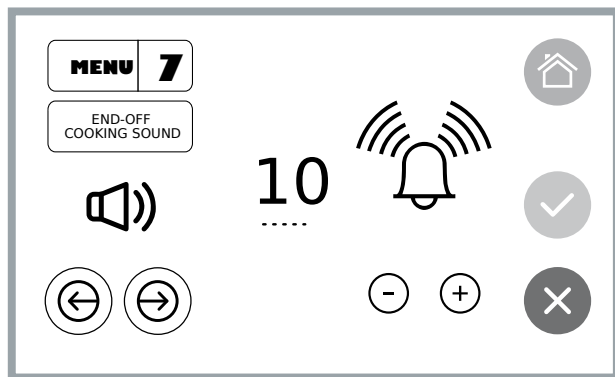
It allows you to adjust contrast and brightness of the control panel.



MENU 6: COOKING PAUSE - STANDBY

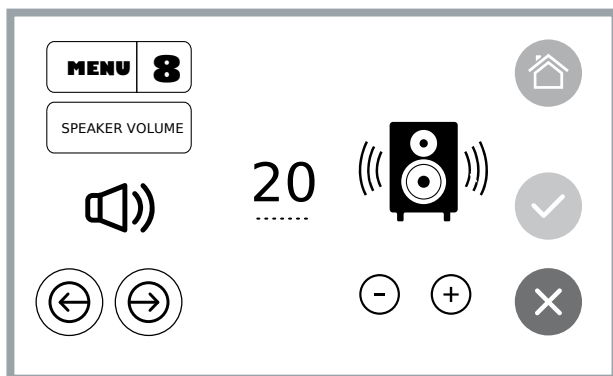
If the cooking or rotation functions are not active when the time set in menu 6 expires, the screen switches to standby mode





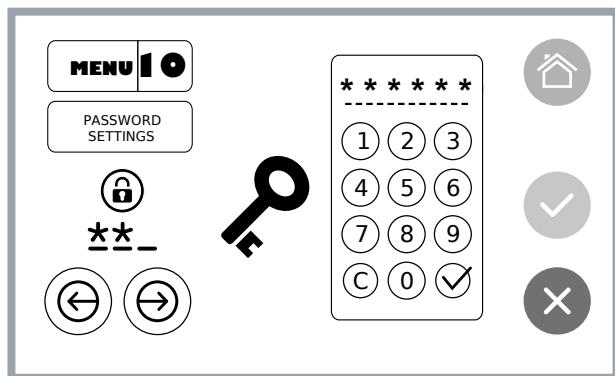
**MENU 7:
END-OF-COOKING
SOUND**

It adjusts the duration of the end-of-cooking sound (1 to 10 seconds).



**MENU 8:
SPEAKER VOLUME**

It adjusts the sound volume.



****_***

**MENU 10:
PASSWORD SETTING**

It allows you to set the password to access the Menu for programming system functions. Restricted access when the key symbol turns green, the password is unlocked

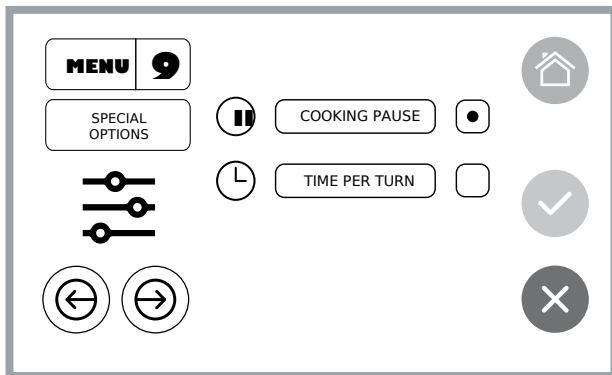




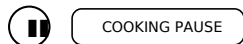
MENU 9: SPECIAL OPTIONS

The OPTIONS MENU is particularly important in the TOUCH control panel.

WARNING: this Menu is accessible ONLY when the main burner and rotating surface are turned off or disabled.



- The field with a circle inside indicates that the desired function is selected and enabled.
- The empty field indicates that the function was disabled.



COOKING PAUSE

1) COOKING PAUSE

It temporarily stops panel activities for the time interval set in **Menu 6** (pause).



TIME PER TURN

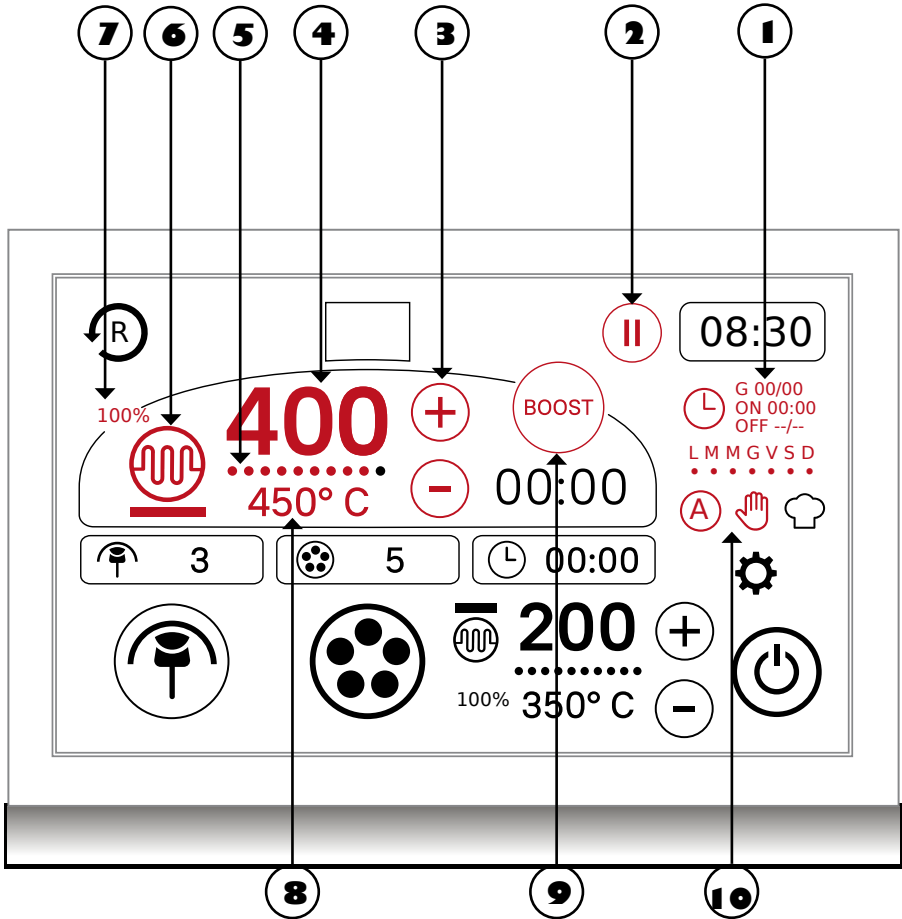
2) TIME PER TURN

It adjusts the time and therefore the speed in/with which the rotating surface performs a full 360° turn



TOUCH

ELECTRICAL CONFIGURATION



- ① PROGRAMMED STARTS AND SHUTDOWNS
- ② PAUSE - STANDBY
- ③ UP/DOWN BUTTONS FOR TEMPERATURE AND POWER SETUP IN %
- ④ OVEN - CEILING TEMPERATURES
- ⑤ BAR OF ELECTRIC POWER CONSUMPTION

- ⑥ ON/OFF CEILING HEATING ELEMENTS
- ⑦ HEATING ELEMENTS' POWER %
- ⑧ SETUP TEMPERATURE POINT - POWER %
- ⑨ BOOST
- ⑩ AUTOMATIC/MANUAL USE

TOUCH



WARNING

A long press of the temperature symbol enables a pop-up window.

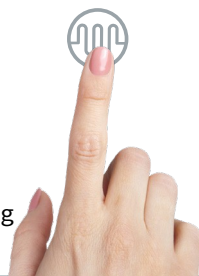
450

450 °C



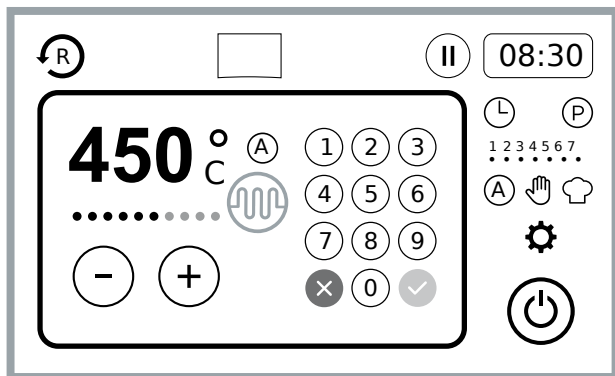
WARNING

A single press of the coil symbol starts the heating elements.



IMPORTANT

THE BURNER REACHES THE SAFETY LIMIT NOT EXCEEDING THE MAXIMUM STARTUP TEMPERATURE 450°C



TEMPERATURE ADJUSTMENT

To adjust the temperature, just hold the numbers. A pop-up window will appear, with a keypad on which you can write the desired temperature or increase/decrease it by pressing the +/- buttons. The temperature will be represented in degrees both in the Automatic and Manual mode



The heating elements' power is displayed in this bar.

..... **0-100%**

In the manual mode, the power can be managed by the operator through adjustment buttons.



Adjustment buttons

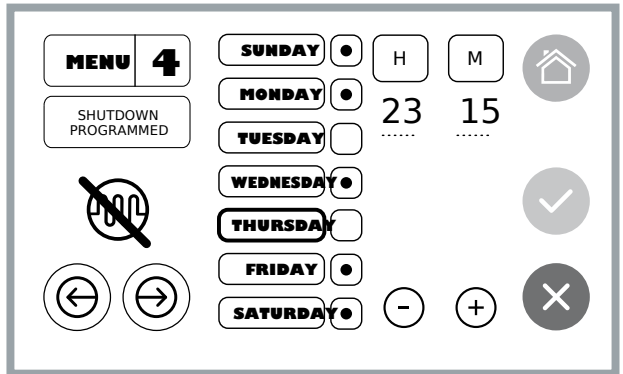
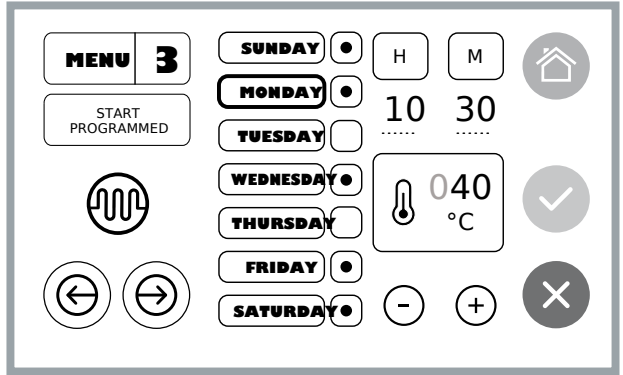
START AND SHUTDOWN PROGRAMMING

This programme allows you to prepare a schedule of predefined start-ups and shutdowns.

You can start by establishing, for each day of the week, the start hour and the intensity of the desired temperature. Afterwards, you can select the chosen day, enabling the programmed start-up via selection of the window next to the day in question.

- 1) To align start-ups at the same time: select multiple days simultaneously.
- 2) To disable the programmed start-up of the chosen day, select the point in the window next to the day of the week.

ENABLED **DISABLED**

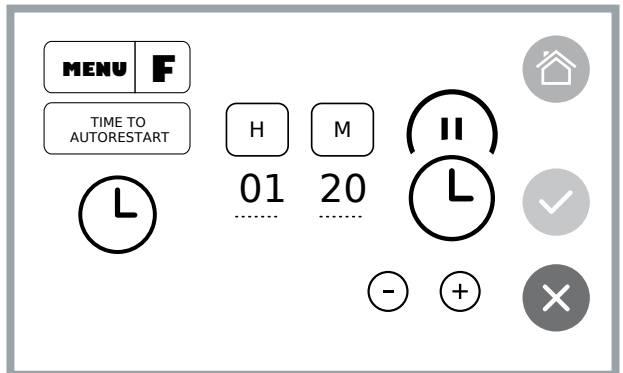


MENU F: AUTORESTART VALUES

This menu allows you to schedule a timed pause with automatic restart. The timing of this pause can be set in «hours and minutes» mode.

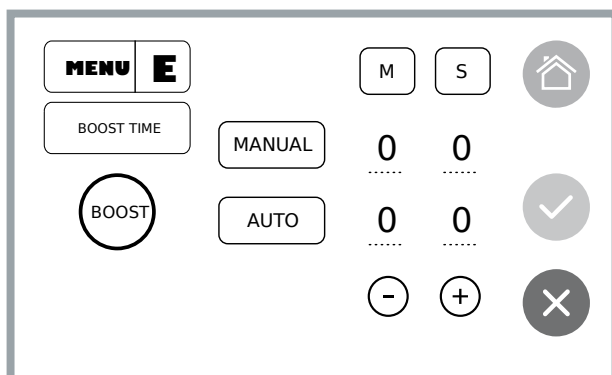
30 seconds before restart, an intermittent sound will indicate the new start-up.

With the Restart times enabled, the PLAY symbol blinks.



**WARNING**

The long press of BOOST symbol enables the adjustment windows of this function, allowing you to select the AUTOMATIC or MANUAL modes.

**BOOST**

The BOOST function increases the heating elements' power to the maximum for the desired period of time. You can access the adjustments with a long press of the icon in the main screen. Afterwards, you set the times of use and



AUTOMATIC or MANUAL modes.

Automatic: It is enabled with the quick cooking cycle for the set duration.

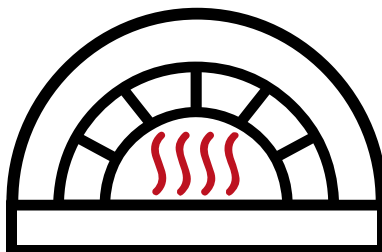
Note: the function bypasses the temperature set point.

Manual: It is enabled by pressing the Boost icon in the main screen. It runs for the time set in the manual mode.

PRE-HEAT FUNCTION

pre-heating and dehumidification of the oven dome

This function, when active, allows a mild and gradual pre-heating, dehumidifying the interior of the oven dome.



A timer placed on the left of the clock displays the countdown that indicates the start of the PRE-HEAT function, with the heating elements on.



The PRE-HEAT icon

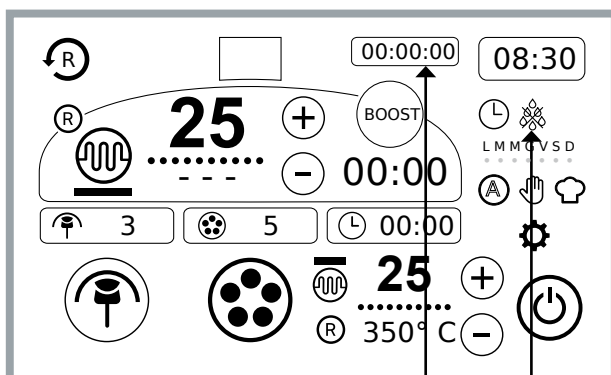
The following functions are enabled:

1) start-up of the ceiling heating elements, with power at minimum intensity.*

2) start of rotation at minimum speed.*

* **These functions are programmed by the manufacturer and are not editable by the user.**

The function duration is 20 to 48 hours at most.



① COUNTDOWN TIMER

② PRE-HEAT ICON





COLOURS OF THE OVEN TEMPERATURES AS DISPLAYED

0°... 50°



SKY BLUE

051°... 200°



DARK YELLOW

201°... 300°



ORANGE

301°... 400°

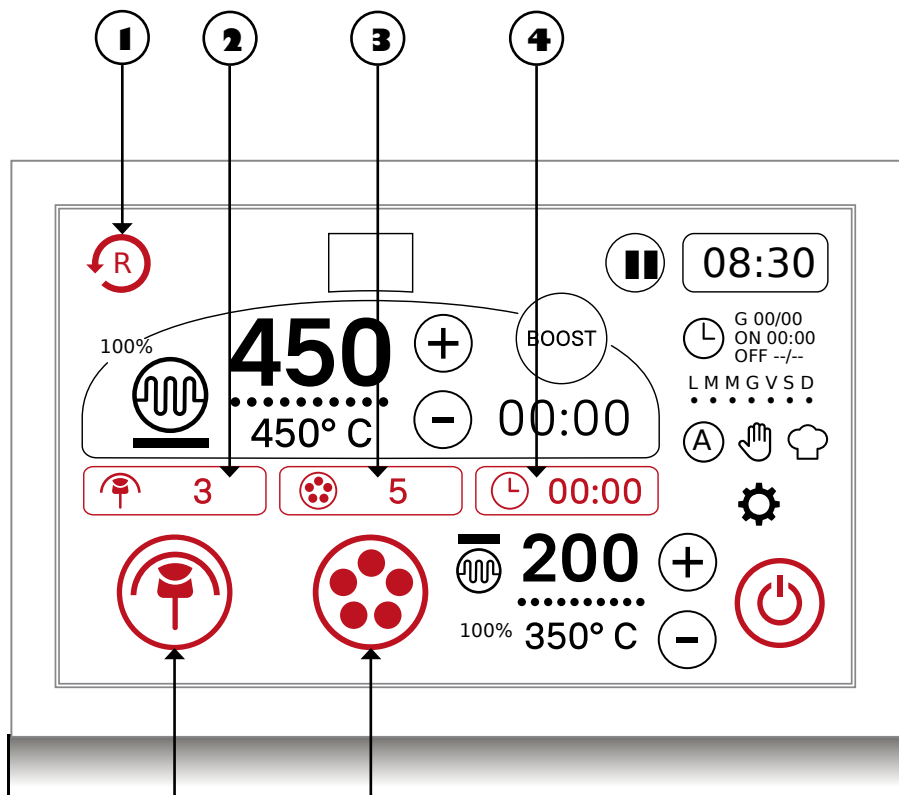


DARK ORANGE

401°... 450°



DARK RED



- ① ROTATION INVERSION
- ② BAKING SPEED
- ③ COOKING CYCLE SPEED
- ④ COOKING CYCLE TIME
- ⑤ BAKING START
- ⑥ START OF COOKING CYCLE ROTATION

**BAKING - BAKING SPEED**

A single press of this icon allows you to start the rotating surface in baking mode.

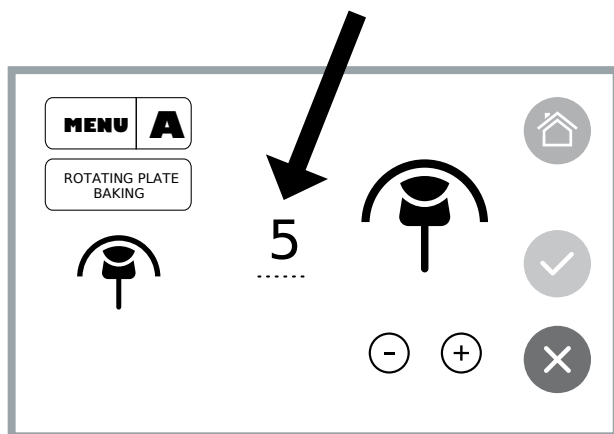
ENABLED RED BUTTON

single press = START

ENABLED YELLOW BUTTON

long press = SETUP OPTIONS - MENU A

**ENABLED WHITE/
GREY BUTTON** = DISABLED

**MENU A**

A long press **of the number** in this area allows you to manage the surface rotation speed with direct access, allowing the setting of 10 different speeds, from slowest (1) to fastest (10).

**ROTATION - ROTATION SPEED OF THE QUICK COOKING CYCLE**

A single press of this icon allows you to start the cooking speed of the rotating surface

ENABLED RED BUTTON

single press = START

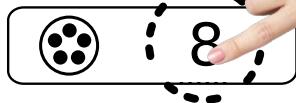
*the quick cooking cycle function can be enabled even by obscuring the photocell

ENABLED YELLOW BUTTON

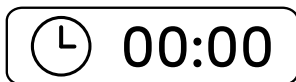
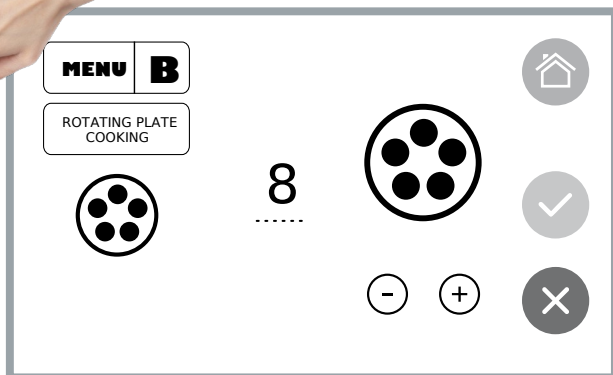
long press = SETUP OPTIONS - MENU B

ENABLED WHITE/GREY BUTTON = DISABLED

MENU B



A long press of the number in this area allows you to access the submenu for the speed setup, from slowest (1) to fastest (10).

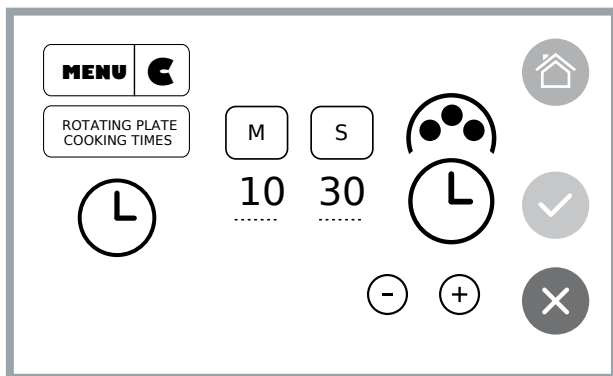


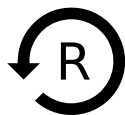
ROTATION - COOKING TIME

The cooking time will be displayed through the timer icon in the main screen.
Ref. no. 4 on page 20.

**MENU C
ROTATION TIME**

Pressing the icon, you can access a submenu of MENU C for setting cooking times.



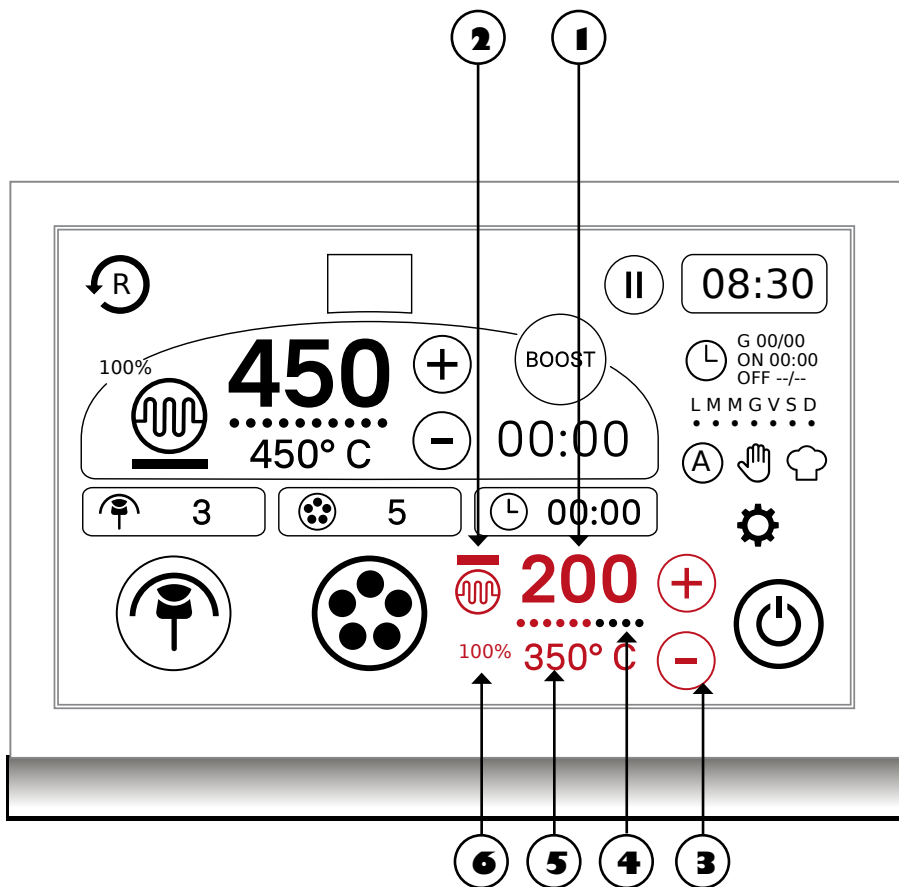
**INVERSION OF ROTATION DIRECTION OF THE BAKING SURFACE**

On the left of the main panel you can find the icon for the inversion of rotation direction of the baking surface.

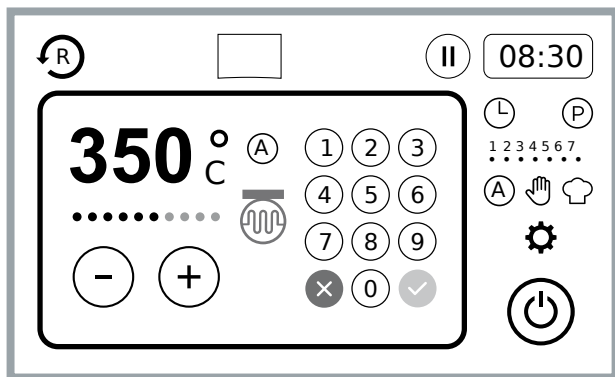
Once pressed, the baking surface will reverse its rotation.

IMPORTANT

The press of the icon must be maintained for at least 0.5".



- ① TEMPERATURE OF BEDPLATE HEATING ELEMENTS
- ② ON/OFF BEDPLATE HEATING ELEMENTS
- ③ UP/DOWN BUTTONS FOR TEMPERATURE AND POWER SETUP IN %
- ④ BAR OF ELECTRIC POWER CONSUMPTION
- ⑤ SETUP TEMPERATURE POINT - POWER
- ⑥ % INCREASE IN HEATING ELEMENTS



**TEMPERATURE
ADJUSTMENT**

To adjust the temperature, just hold the numbers. A pop-up window will appear, with a keypad on which you can write the desired temperature or increase/decrease it by pressing the +/- buttons. The temperature will be represented in degrees both in the Automatic and Manual mode

WARNING

The POP-UP window will appear shortly.



THE ENABLING OF THE BEDPLATE HEATING ELEMENTS WILL BE POSSIBLE CLEARLY AND SOLELY AFTER THE ROTATION START.



350 °C / °F

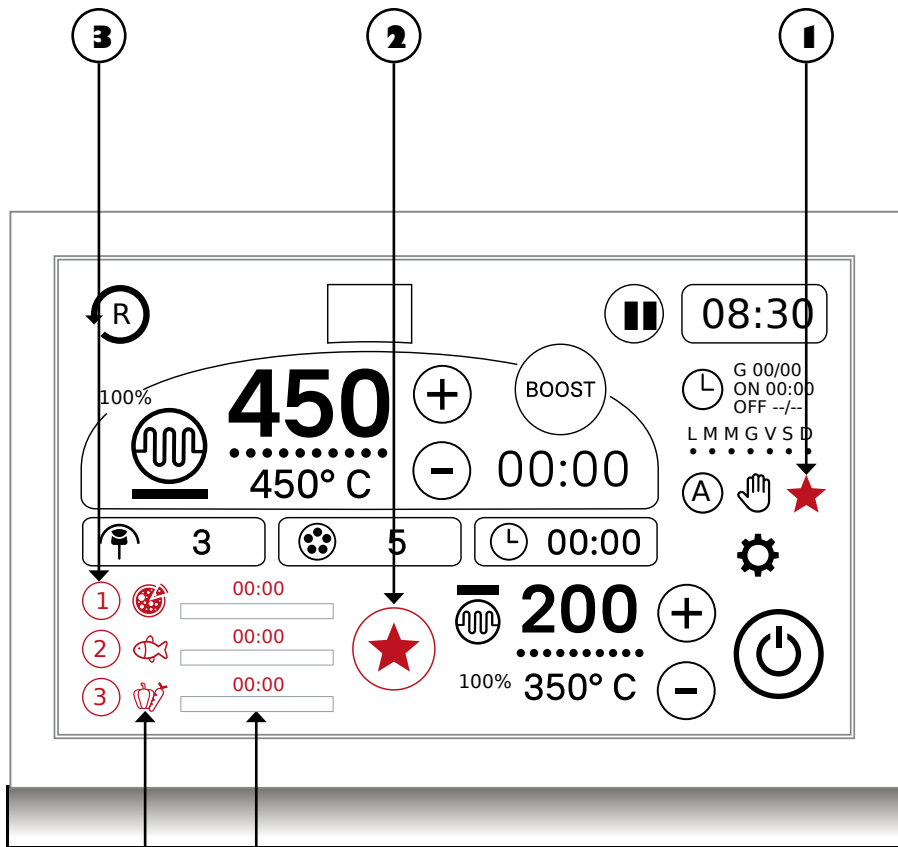
The heating elements' power is displayed in this bar.

..... **0-100%**

In the manual mode, the power can be managed by the operator through adjustment buttons.



Adjustment buttons



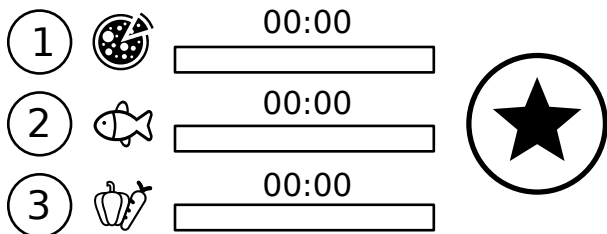
- ① ② FAVOURITES PROGRAMME
- ③ DISHES' SELECTION
- ④ ICONS OF SELECTED DISHES
- ⑤ COOKING TIMES



MEMO - FAVOURITES

cooking daily dishes

The FAVOURITES programme allows you to handle the cooking of the dishes or pizzas that are requested more frequently or cooked daily. The main difference of this programme compared to MULTI-COOKING function is that, with this configuration, it is possible to combine cooking times (with rotating surface function) and temperatures (ceiling heating elements).

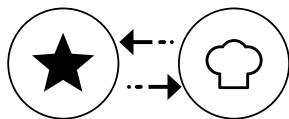


WARNING: it will be possible to enable only one timer at a time

* The temperature associated with the selected dish will be entered as set temperature in the main burner (when present).

** The cooking time associated with the selected dish will be entered as time of quick cooking cycle in the rotating surface menu (when present).

A single press of the symbols allows you to switch from one function to another, when this has been selected, a subsequent tap allows the programme start.



WARNING
The long press of STAR symbol enables the adjustment windows of this function, allowing you to select and optimise the available options customising the types of cooking according to each kitchen's needs.

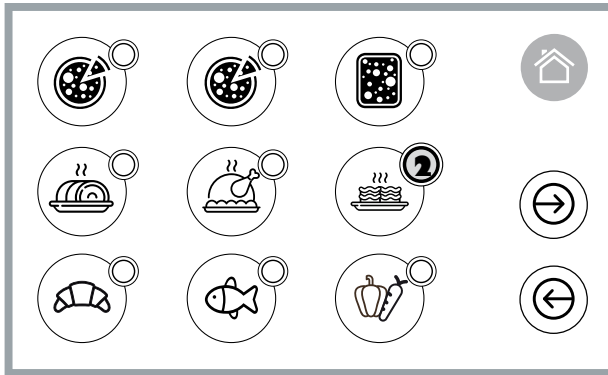


AVAILABLE CUSTOM TYPES OF COOKING

 <p>PIZZA</p>	 <p>SPECIAL PIZZAS</p>	 <p>PIZZA "AL METRO"</p>
 <p>BREAD</p>	 <p>BAKED PASTA</p>	 <p>QUICHES</p>
 <p>PASTRY</p>	 <p>CAKES AND PASTRIES</p>	 <p>PIES</p>
 <p>FISH</p>	 <p>VEGETABLES</p>	 <p>ROAST CHICKEN</p>
 <p>ROAST BEEF</p>	 <p>STEAK</p>	 <p>FAVOURITES</p>



The FAVOURITES button with the star icon, pressed continuously, allows access to the window with the list of icons representing the dishes and their cooking times combined and programmed.



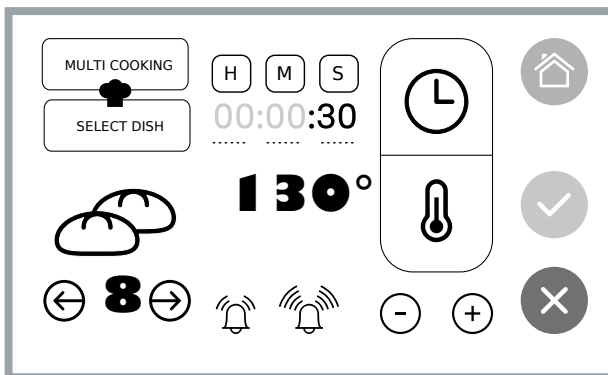
By accessing this second screen, you find a list of the available and programmed dishes. By means of the arrow symbols, you can scroll through the pages while, pressing food icons, these may be enabled and selected (up to a maximum of 3) or disabled.



This is how the deselected food icon appears, with an empty circle and without a number.

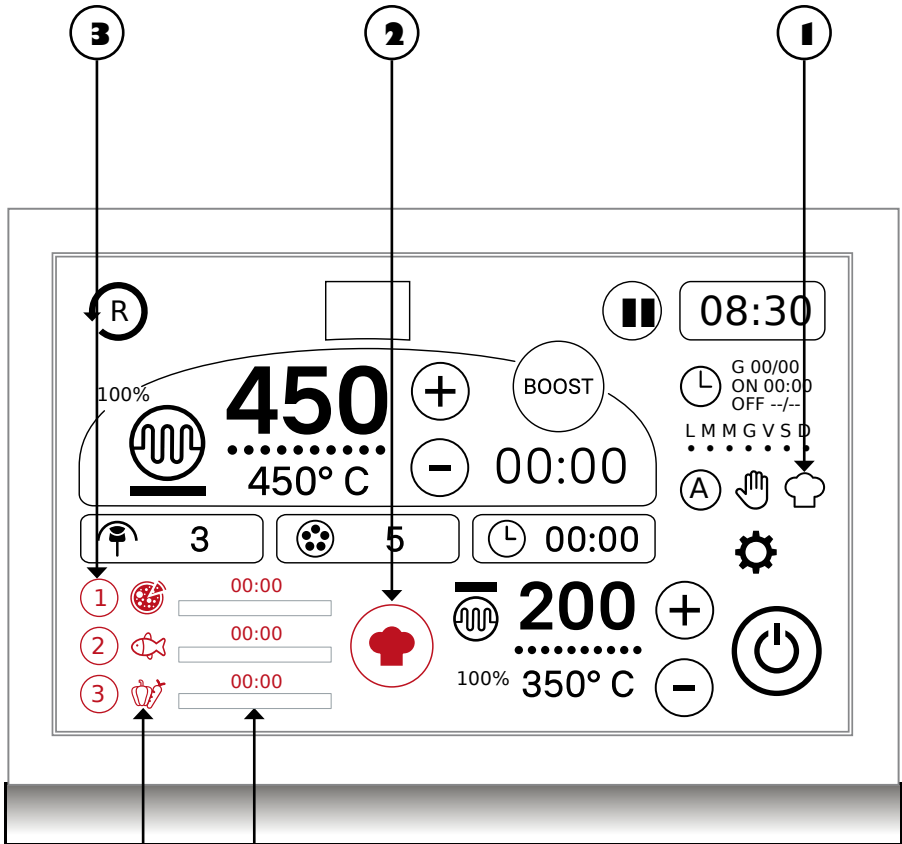


On the contrary, this is how the selected food icon appears, with a green circle and the selection number.



A long press of the dish icon will allow you to log into the programming screen to set times, temperatures, sounds and modify the dish to cook.





- ① ② MULTI-COOKING PROGRAMME
- ③ DISHES' SELECTION
- ④ ICONS OF SELECTED DISHES
- ⑤ COOKING TIMES

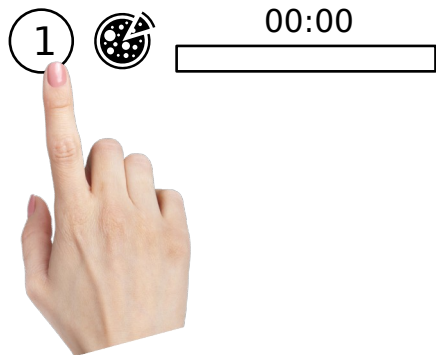


MULTI-COOKING

simultaneous cooking of different dishes

This specific programme was designed to allow simultaneous cooking of different types of dishes inside the oven. The programme is selected through the icon on the right of the main panel (👨‍🍳).

The parameters of the individual dishes, unlike the favourites menu, do not affect the control of the temperature inside or on the ceiling of the oven.

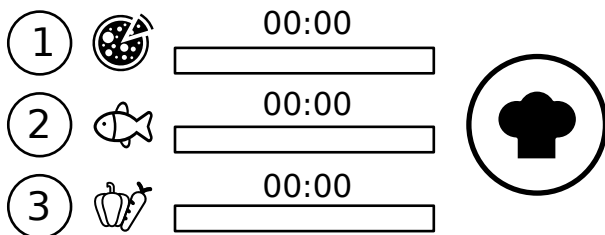


The single press of the number enables, colouring it red, the cooking timer of the selected dish.

The single pressure of the number colours it white and stops cooking.

The long press of the dish icon allows you to access the dish screen to replace or to change cooking.

The single press of the Chef Hat icon allows you to access the dishes' list screen



In this section of the TOUCH screen you can find, from left to right: the three dishes in order of insertion, the icons that represent them, the bars that display the passing of the cooking time and the MULTI-COOKING button with the chef hat.

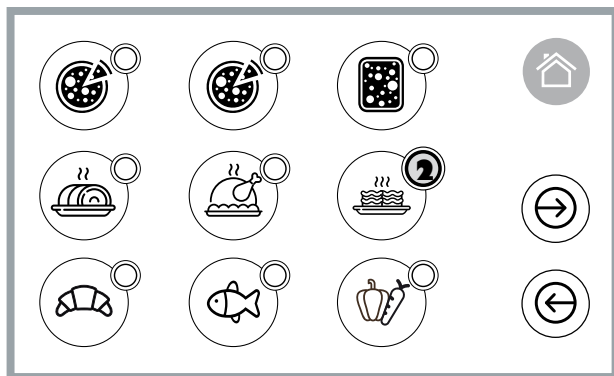


AVAILABLE CUSTOM TYPES OF COOKING

 <p>PIZZA</p>	 <p>SPECIAL PIZZAS</p>	 <p>PIZZA "AL METRO"</p>
 <p>BREAD</p>	 <p>BAKED PASTA</p>	 <p>QUICHES</p>
 <p>PASTRY</p>	 <p>CAKES AND PASTRIES</p>	 <p>PIES</p>
 <p>FISH</p>	 <p>VEGETABLES</p>	 <p>ROAST CHICKEN</p>
 <p>ROAST BEEF</p>	 <p>STEAK</p>	 <p>MULTI-COOKING</p>



The MULTI-COOKING button with the chef hat, pressed continuously, allows access to the window with the list of icons representing the dishes and their cooking times combined and programmed.



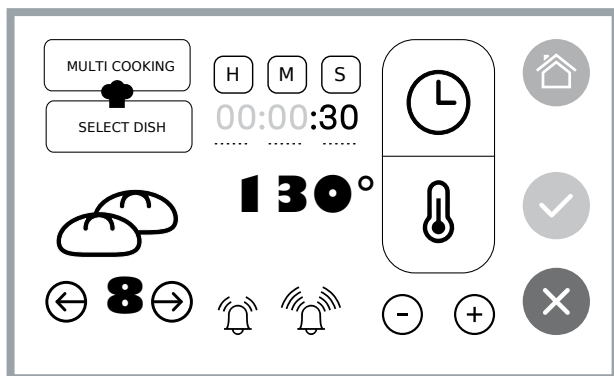
By accessing this second screen, you find a list of the available and programmed dishes. By means of the arrow symbols, you can scroll through the pages while, pressing food icons, these may be enabled and selected (up to a maximum of 3) or disabled.



This is how the deselected food icon appears, with an empty circle and without a number.









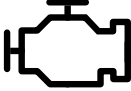


On the contrary, this is how the selected food icon appears, with a green circle and the selection number.



A long press of the dish icon will allow you to log into the programming screen to set times, temperatures, sounds and modify the dish to cook.



PROBLEM		CAUSE	REMEDIES
<p>PRESSED EMERGENCY BUTTON</p> <p>RED HAND AND BUTTON</p>		<p>PRESSED EMERGENCY BUTTON</p>	<p>RELEASE THE EMERGENCY STOP BUTTON TO RE-ENABLE THE FUNCTIONS</p>
<p>ON TIME MAINTENANCE</p> <p>ORANGE WRENCH</p>		<p>EXPIRING MAINTENANCE</p>	<p>CONTACT THE CUSTOMER SERVICE TO PERFORM NORMAL MAINTENANCE</p>
<p>ON OUT MAINTENANCE</p> <p>RED WRENCH</p>		<p>EXPIRED MAINTENANCE</p>	<p>CONTACT THE CUSTOMER SERVICE TO PERFORM NORMAL MAINTENANCE</p>
<p>FUME SENSOR</p> <p>RED CLOUDS</p>		<p>SENSOR TO DETECT FUMES ENABLED</p>	<p>CHECK THE STATE OF THE FLUE AND/OR THE COMBUSTION QUALITY</p>

PROBLEM		CAUSE	REMEDIES
INTERRUPTED COMMUNICATION		THE OPERATION OF THE SURFACE ROTATION MAY NOT BE POWERED	CHECK THE CONNECTION WITH THE DRIVE
THERMAL ALARM		THERMAL PROTECTION OF THE ROTATION MOTOR STARTED	TURN OFF THE BOARD AND WAIT 5 MINUTES BEFORE THE RESTART IF THE ALARM PERSISTS, CONTACT THE TECHNICAL CUSTOMER SERVICE
OVERLOAD BURNER WITH ORANGE THERMOMETER		OVERLOAD OF THE SURFACE ROTATION MOTOR POSSIBLE RESIDUE OF THE COMBUSTION AMONG THE POWER TRANSMISSION	ENABLE THE ROTATION INVERSION FOR A FEW MINUTES IF THE PROBLEM PERSISTS, CONTACT THE TECHNICAL CUSTOMER SERVICE



REV 000 ELECTRICI/EN
Product features and specifications
may change without notice.

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**FORNI PAVESI RIMINI
DI PAVESI EROS**

Via Marechiese, 912 – 47822 Santarcangelo di Romagna (RN) - IT
Tel. +39 0541/ 750559 - Fax +39 0541/ 750837 - info@fornipavesirimini.it
P. IVA 04235310408

