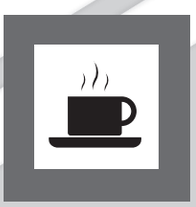
LA SPAZIALE

INSTRUCTION MANUAL

S1 Mini Vivaldi



LSC 014 -UK- REV. 01

CONFORMITY DECLARATION CE

MANUFACTURER: **La Spaziale SpA**

ADDRESS: **Via E. Duse, 8 - Casalecchio di Reno (BO) ITALIA**

HEREBY DECLARES THAT:

The espresso coffee machine **S1 Mini Vivaldi** conforms to the directions in the following DIRECTIVES:

2004/108/EC (Electromagnetic Compatibility Directive) with application of the following (parts/ clauses) of harmonized standards:

- **EMISSION: EN 55014-1 + EN 61000-3-2 + EN 61000-3-3**
- **IMMUNITY: EN 55014-2**

2006/95/EC (Low Voltage Directive) with application of the following (parts/clauses) from harmonized standards:

- **EN 60335-1**
- **EN 60335-2-75**
- **IEC 60335-2-75**
- **IEC 60335-2-15**

EC Declaration of Conformity to the Directive 97/23/EC Pressurised Equipment Directive – PED

MANUFACTURER: **La Spaziale SpA**

ADDRESS: **Via E. Duse, 8 - Casalecchio di Reno (BO) ITALIA**

HEREBY DECLARES THAT:

On the espresso coffee machine **S1 Mini Vivaldi** the pressure assembly is composed of a boiler complete with safety and adjustment devices, used for rapid preparation of espresso coffee, steam and infusions. **This assembly conforms to the essential requirements of the Directive 97/23/EC and to national laws acknowledging it, following the conformity assessment procedure below:**

- **UNI 9887 Regulations, ISPESL collection rev. 95**

The assembly also satisfies the following EC Directives:

- **2006/42/EC - 2006/95/EC - 2004/108/EC**

Franca Cacciari (CEO)

CONTENTS

This manual is an integral part of the appliance and must be delivered to the user.

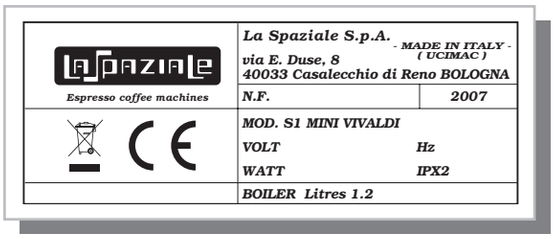
1 KEY TO SYMBOLS, WARNINGS, INSTALLATION

This symbol refers to safety regulations to be followed carefully to guarantee your safety and that of others and to prevent damage to the appliance.

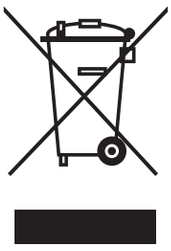
These instructions indicate recommended procedures or precautionary measures to make maintenance easier or to clarify important operations.

1.1 RATING PLATE

The appliance data plate is located on the inside part, on the right. To have access the rating plate, remove the drip tray (1).



Disposal of the equipment by the users within the European Community (WEEE) in compliance with the article 13 of the legislative decree issued on 25 July 2005, nr151 "Implementation of the directives 2002/95/CE,2002/96/CE and 2003/108/CE, concerning the decrease in the usage of dangerous substances in the electrical and electronic equipment and the disposal of waste"



The symbol of the crossed waste bin indicated on the equipment or on the packaging means that the product at the end of its lifetime must be disposed of separately from all the other waste.

The separate collection of this equipment coming at the end of its lifetime is organized and run by the importer/distributor. The user who should have to dispose of such equipment should get in touch with the importer/ distributor and follow the procedure they have adopted for the separate disposal of the equipment coming at the end of its lifetime.

The proper separate disposal of disused equipment so that it can be recycled and treated according to what is environmentally compatible contributes to avoid possible negative effects on the Environment and on Health and allows the reutilization and/or the recycling of the materials the equipment is composed of.

The improper disposal by the user causes the enforcement of the administrative sanctions according to current regulations.

1.2 MACHINE EQUIPMENT

A 1 2-cup filter holder

B 1 set of filters

C 1 set of shower heads

D 1 wrench for shower head removal

E 1 coffee doser

F 1 manual coffee tamper

G 1 brush

1.3 CAREFULLY READ THE FOLLOWING WARNINGS, WHICH OFFER IMPORTANT GUIDELINES FOR THE SAFE USE AND MAINTENANCE OF THE APPLIANCE.

The appliance must only be used for its intended purpose and it must be installed in a suitable place for its use. Any other use will therefore be considered as improper and unreasonable.
The manufacturer cannot be held liable for any damage caused by improper, incorrect or unreasonable use.
Installation must be carried out according to current laws and to the manufacturer's instructions. Incorrect installation may cause damage to people, animals or property for which the manufacturer cannot be held liable.

The electrical safety of the appliance is fully achieved only after it has been correctly connected to an earthing system as required by the laws in force.

This fundamental requirement must be checked by professionally qualified personnel.
The manufacturer cannot be held liable for any damage caused by the lack or inefficiency of the system's earthing connection.

The use of any electrical appliance also requires observance of the following important regulations:

- Do not touch the appliance with wet or damp hands or feet.
- Do not use the appliance when barefooted.
- Do not pull on the power supply cord to disconnect the appliance from the mains power.
- Do not allow children or unqualified persons to use the appliance.
- Access to the appliance's service area must be restricted to those persons with the relevant practical experience and familiarity with the appliance itself, especially in terms of safety and hygiene.
- Before carrying out any routine maintenance or cleaning operation, disconnect the appliance from the mains electricity.
- In the event of damage and/or malfunction of the appliance, or damage to the power cord, switch the appliance off completely without trying to make any direct repairs. Contact the nearest Service Centre authorised by the manufacturer.
- In order to guarantee the proper efficiency and operation of the appliance, it is fundamentally important to follow the manufacturer's instructions, and to follow a regular maintenance schedule.
- The appliance has **IPX2** protection against water and therefore, it cannot be installed in areas where it may be subject to jets of water.
- The appliance has **class I** protection against electric shocks.
- The appliance must be operated in a place where the temperature is between **+5°C** and **+40°C**.
- The appliance is not designed to operate outdoors where it can be in direct contact with the atmospheric conditions.
- The noise emitted by the appliance during normal operation is less than **70 dB**.

The appliance is supplied without water in the boiler. This is to prevent serious damage if the appliance is exposed to low temperatures. For the same reason, if the appliance is to remain in disuse for any long period of time, remove the water from the boiler before disconnecting it.

Failure to respect the above may adversely affect the safety of the appliance and its useful life.

If the appliance should remain in disuse for a long period in a place where the temperature is less than 0°C, before using it again, have it checked by an authorised Technical Assistance Service.

1.4 INSTALLATION

- The appliance is not intended for built-in installation.
- After removing the packaging, check the machine for any damage. In case of doubt, do not use the machine and consult the manufacturer directly. Packaging materials must not be left within the reach of children since they are potentially dangerous. Place the appliance on a flat, secure bearing surface, lifting it by the sides.
- The appliance must be installed so that the power plug is accessible.
- The appliance must be installed in a place where use and maintenance are restricted to trained personnel.

Before plugging the appliance into the mains socket, make sure that the data on its rating plate correspond to the data for the place of installation.

2 STARTING UP THE APPLIANCE

FOLLOW THE INSTRUCTIONS BELOW REFERRING TO THE KEY TO CONTROLS AT THE END OF THIS MANUAL.

2.1 FILLING THE WATER TANK

1. Remove the drip tray (1).
2. Then remove the container (4) and fill it with cold drinking water.
3. Fit in the water tank (4), pushing it in as far as it will go, and place the drip tray (1).

WARNING !!
When installing the appliance for the first time, it is necessary to proceed as follows:

1. Plug the appliance into the mains power; the power control light (22) will flash to show that the appliance is connected to the mains electricity (Stand-by).
2. Press and hold down the buttons **ON/OFF** (27) and hot water delivery (23) together until water begins to come out of the delivery group (10).
3. During this stage, the control lights to signal no water (13) and the power control light (22) will flash and the pump will operate.
4. Release the buttons **ON/OFF** (27) and hot water delivery (23) to stop the boiler filling cycle. The appliance will automatically return to Stand-by mode.

2.2 SWITCHING ON AND HEATING THE APPLIANCE

1. Press and hold down the button **ON / OFF** (27) for about 3 seconds; the green control light (22) will go from flashing to lit to show that the appliance has been switched on; at the same time, the control lights from 14 will 21 switch on for about one second (electronic system check).
2. The control light for the set temperature value will start to flash to indicate that the coffee delivery group is heating up and the automatic boiler refill will be activated until the water level set by the manufacturer has been reached.
3. Once the filling stage is complete, the boiler control light (13) will begin to flash, indicating that the boiler is heating up. The first time that the machine is switched on, this will not be enabled until the group reaches the set temperature.
4. Attach the filter holder (11) to the delivery group (10).
5. Wait until the appliance reaches the set temperature, making sure that the control lights on the control panel (9) switch on progressively as the temperature increases. This starts as soon as the temperature reaches the minimum setting (**85°C** for the **MINI VIVALDI**, or **91°C** for the **MINI VIVADI II**), with the switching on of the control light 14, and it will proceed until the appliance operating temperature has been reached (the control light goes from flashing to lit).
6. When the group reaches the set temperature, the boiler heating function is enabled. Once it reaches the set temperature, the control light will stay lit.
7. Every time that the temperature of the group or boiler drops below the set temperature, the control light for the operating temperature will start to flash (appliance heating phase), until the set temperature is reached.
8. The appliance is now ready for use.

WARNING!!
The boiler is activated by pressing the button "BOILER" (26). To deactivate the boiler, press and hold down the same button for 3 seconds. When the boiler is switched off, it is not possible to dispense hot water for infusions or to dispense steam.

NOTE.
The boiler status is stored to memory.

2.3 PREPARING COFFEE

1. Remove the filter holder (11) from the delivery group (10) and insert the filter basket for one or two cups of coffee.
2. Fill with ground coffee (using the doser supplied), taking care not to leave any coffee powder on the top edge of the filter holder (11), and press it down using the special coffee tamper provided.
3. Firmly reattach the filter holder (11) to the group (10) without tightening it excessively.
4. Place one or two cups below the filter holder (11).
5. Press the one-cup button (24) to dispense one cup of coffee, or the two-cup button (25) to dispense two cups. Once the coffe dose set during the programming phase has been reached, the group will stop delivery automatically.

NOTE.
To stop coffee delivery earlier after using one of the buttons with pre-set doses, just press the same button again.

WARNING!
When using the appliance, check the drip tray (1) frequently to see if it is full and empty it out if necessary.

3 APPLIANCE OPERATING TEMPERATURE ADJUSTMENT

3.1 MINI VIVALDI

1. While the appliance is operating, press and hold down the button **ON//OFF** (27) for about 3 seconds. The power control light (22) and the control light for the set temperature will flash. For example, if the set temperature is **105°C**, the control light (18) will flash.

LIGHT.	13	14	15	16	17	18	19	20	21	22	
	●	●	●	●	●	☼	●	●	●	☼	
TEMP.		85	90	95	100	105	110	120			°C

2. To change the operating temperature, press and release the hot water delivery group (23); each time the button is pressed, the temperature will be increased by **5°C** (and the relevant control light will start to flash). When the maximum temperature of **120°C** is reached (control light 20), the selection function will return to the minimum temperature of **85°C** (control light 14) (cyclical operation).
3. Once the required temperature has been selected, press the button **ON/ OFF** (27) to confirm the setting, and the appliance will return to normal operation.

To set the delivery group temperature to single degrees centigrade, proceed as follows:

- Switch off the appliance by pressing the button **ON/OFF** (27); the green control light (22) will go from lit to flashing (machine on Stand-by).
- Press and hold down the two-cup button (25) for about 3 seconds; the control lights 17 and 18 will switch on to indicate that the settings phase is in progress for intervals of **1°C**.
- Each time that the steam delivery button (26) is pressed, the control lights 19, 20 and 21 will switch on in succession and each control light indicates an increase of one degree centigrade compared to the set temperature. Each time that the one-cup button (24) is pressed, the control lights 16, 15 and 14 will switch on and each of these control lights indicates a decrease of one degree centigrade compared to the set temperature. For example, if the set temperature is **105°C** and the control lights 19 and 20 switch on, the set temperature will become 105 + 2 = **107°C**.

The operating temperature of the appliance is modified exclusively to improve the result in the cup according to the type of coffee blend used.

3.2 MINI VIVALDI II

1. While the appliance is operating, press and hold down the button ON//OFF (27) for about 3 seconds. The power control light (22) and the control light for the set temperature will flash. For example, if the set temperature is 95°C, the control light (18) will flash.

LIGHT.	13	14	15	16	17	18	19	20	21	22	
	●	●	●	●	●	☼	●	●	●	☼	
TEMP.		91	92	93	94	95	96	97			°C

2. To change the operating temperature, press and release the hot water delivery button (23); each time the button is pressed, the temperature will be increased by **1°C** (and the relevant control light will start to flash). When the maximum temperature of **97°C** is reached (control light 20), the selection function will return to the minimum temperature of **91°C** (control light 14) (cyclical operation).
3. Once the required temperature has been selected, to confirm the setting, press the button **ON/ OFF** (27), and the appliance will return to normal operation.

To set a delivery unit temperature lower than **91°C** or higher than **97°C**, proceed as follows:

NOTE.
Access to this programming function is only possible when the delivery group temperature set is programmed to the minimum value (91°C) or the maximum value (97°C).

- Switch off the appliance by pressing the button **ON/OFF** (27), the green control light (22) will go from lit to flashing (machine on Stand-by).
- Press and hold down the two-cup button (25) for about 3 seconds; the control lights 17 and 18 will switch on to indicate that the programming phase has been activated to reduce the minimum temperature or increase the maximum temperature.
- Each time that the steam delivery button (26) is pressed, the control lights 19, 20 and 21 will switch on in succession; each control light indicates an increase of one degree centigrade compared to the set temperature, if the starting point was a temperature setting of **97°C**. Each time that the one-cup button (24) is pressed, the control lights 16, 15 and 14 will switch on; each of these control lights indicates a decrease of one degree centigrade compared to the set temperature, if the starting point was a temperature setting of **91°C**. For example, if the set temperature is **97°C** and the control lights 19 and 20 are switched on, the new set temperature will be 97 + 2 = **99°C**.

The operating temperature of the appliance is modified exclusively to improve the result in the cup according to the type of coffee blend used.

3.3 PROGRAMMING THE DOSES

1. While the appliance is operating (control light 22 lit), press and hold down the button **ON/OFF** (27) for about 3 seconds; the power control light (22) and the set temperature control light will start to flash.
2. Fill the filter holder (11) with the 1-cup coffee filter (using the coffee doser provided), taking care not to leave any coffee powder on the top edge of the filter holder (11), and press it down using the special coffee tamper provided.
3. Attach the filter holder (11) to the group (10), placing a cup below the filter holder.
4. Press the 1-cup button (24) to start delivery and the control lights 14-15-16 will switch on to indicate that the dose for one cup of coffee is being programmed.
5. When the amount of coffee in the cup has reached the required dose, press again the button (24) again to stop delivery.
6. The display will automatically show the main programming menu again.
7. Fill the filter holder (11) with the 2-cup coffee filter (using the coffee doser provided), taking care not to leave any coffee powder on the top edge of the filter holder (11), and press it down using the special coffee tamper provided.
8. Attach the filter holder (11) to the group (10), placing two cups below the filter holder.
9. Press the 2-cup button (25) to start delivery and the control lights 17-18-19 will switch on to indicate that the dose for two cups of coffee is being programmed.
10. When the amount of coffee in the cup has reached the required dose, press the button (25) again to stop delivery.
11. The display will show the main programming menu again.

NOTE.
To quit the programming function, press the button ON/OFF (27).

3.4 HOT WATER DELIVERY FOR INFUSIONS (Possible only with the boiler on, control light 13 on)

1. Place a pitcher under the hot water spout (28).
2. Press the hot water delivery button (23).
3. Hot water delivery will start.
4. Once the required dose has been delivered, stop the flow by pressing the button (23) again.

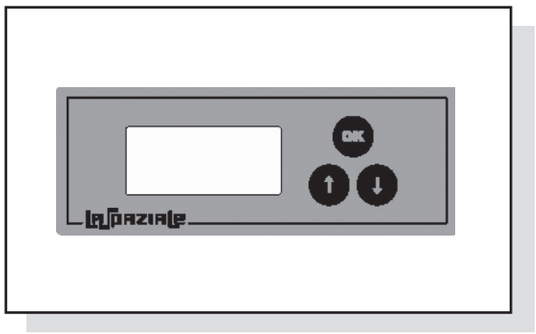
3.5 STEAM DELIVERY (Possible only with the boiler on, control light 13 on)

1. Insert the steam wand (2) into the pitcher containing the drink to be heated.
2. Move the steam lever (6) upwards.
3. When the drink is heated, stop the steam delivery by moving the steam lever downwards.
4. Remove the pitcher from the steam wand (2) and clean any heated drink residues from the wand immediately using a damp sponge.

WARNING!
Do not move the steam lever (6) before inserting the steam wand (2) into the pitcher so as to prevent possible burns.

4 COUNTER (Optional)

This additional module is meant to manage the appliance according to a preset amount of coffee doses through the visualization of the corresponding partial and total numbers of cups of coffee delivered and the possibility to block the machine.

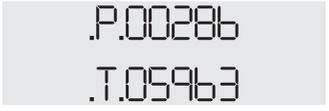


When the appliance is plugged into the mains power and therefore, even when in Stand-by mode, the counter is powered and the initial screen shown here below is seen on the display:

It is still possible to dispense 01927 cups.
02000 cups were stored to memory.

4.1 VISUALIZATION OF PARTIAL AND TOTAL NUMBER OF CUPS OF COFFEE DELIVERED

In normal operating conditions, when the button ↓ is pressed, the display will show the following:



P.00286 is the partial number of cups delivered since the last reset operation (the partial amount is the sum of 1-cup and 2-cup delivery).

.T.05963 is the total number of cups delivered since the machine was first installed (the total amount is the sum of 1-cup and 2-cup delivery).

Pressing the button ↓, again or waiting for 30 seconds without operating on the module will cause the display to return to the main menu.

4.2 RESETTING THE PARTIAL COFFEE COUNT

When displaying the partial and total amounts of cups of coffee delivered, pressing and holding down the OK button for 3 seconds, the display will show:

The letter N will be flashing; pressing the button OK, to confirm the setting will return to the previous display page; moving with the buttons ↑ ↓, will cause the letter Y to flash; pressing the button OK will reset the partial count for the delivery and return to the previous page, which will therefore be:

NOTE.
Total counts cannot be reset to zero.

4.3 PROGRAMMING

NOTE.
During the programming phase, if no button is pressed for 30 seconds, the appliance will automatically quit this mode without storing any settings to memory.

From the main menu page, pressing and holding down the button OK for 3 seconds, will cause the display to show:

with the zero on the left flashing.

Pressing the buttons ↑ ↓ will select the first digit (from 0-9) and pressing the OK button will confirm the setting and pass on to the next digit - the one to the right of the last digit set - which will start to flash. Proceed in the same way to set the next digits and once the last digit in the PIN has been confirmed (if correct), then you can have access to the programming mode. If the PIN is not correct, the display will again show the first zero on the left, flashing. To quit this function without setting the PIN, wait 10 seconds and the program will return to the main menu page.

NOTE.
The default PIN is 1234.

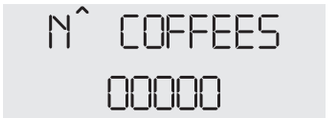
If the correct PIN is entered, the display will show:

The letter N will be flashing; pressing the button OK, to confirm the setting will pass directly to the screen for setting the number of doses to enter into the machine; using the buttons ↑ ↓, to move in the screen will cause the letter **Y** to start flashing and when the button OK is pressed, the display will show the following message, flashing:

WARNING

Now it is possible to dispense coffee without leftover credit or counters being updated.
To quit this menu, it is possible to wait for it to close automatically after 10 minutes or alternatively, to return to the programming function, entering the PIN again.

From the **SERVICE** menu, confirm the letter **N**, and the display will show:



with the first zero on the left flashing.
The number to be set refers to the quantity of deliveries to be entered into the machine and which will be added to the ones left over form the previous setting operation (leftover credit).
Pressing the button ↑ will set the first digit (from 0-9), and pressing the button ↓ will pass on to the next digit - the one to the right of the last digit set - which will start to flash. Proceed in the same way to set the next digits and once the last digit on the right has been confirmed by pressing the button OK, the program will pass to the next screen, where the display will show:

The letter **N** will be flashing. Pressing the button OK, to confirm the setting will pass directly to the screen for changing the PIN CODE to enter the programming mode; using the buttons ↑ ↓, to move in the screen will cause the letter **Y** to start flashing and when the button OK is pressed to confirm, the available and stored doses will be cancelled and the display will return to the main screen.

From the screen for setting the **N^ CAFFE** when the letter **N** is used to confirm, the display will show:

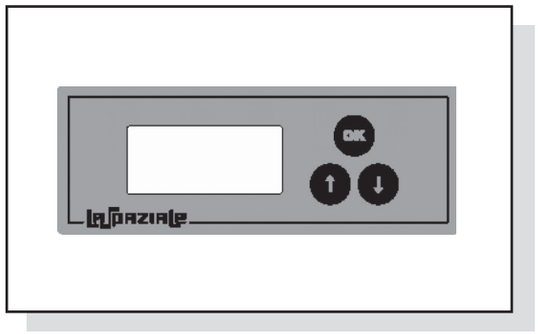
The letter **N** will be flashing; pressing the button OK, to confirm the setting will quit the programming mode and return to the main menu. Using the ↑ and ↓, buttons will cause the letter **Y** ito flash and when this is confirmed by pressing the button OK, the display will read:

with the zero on the left flashing.

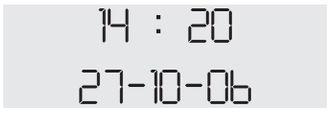
Pressing the buttons ↑ and ↓ will select the first digit (values from 0-9) and pressing the button OK will pass on to the next digit - the one to the right of the last digit set - which will start to flash. Proceed in the same way to set the next digits and once the last digit in the PIN has been confirmed, this will quit the programming mode, returning to the main menu screen.

5 CLOCK / TIMER MODULE (Optional)

This additional module can be used to set the switching on and off times of the appliance for every day of the week.



When the appliance is plugged into the mains power and therefore, even when the machine is in stand-by mode, the clock module (TIMER) is powered and the display will show the «**La Spaziale**» logo for 3 seconds, followed by the software version. After this it will show the current time and date.



If the timer is enabled, alternatively to the date, the display visualizes the following switch on time if the machine is off (ON : 14.30), or the following switch off time if the machine is on (OFF 21.30).

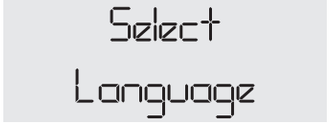
☞ **NOTE.**
This only occurs if these operations will take place by midnight of the current day.

If the Timer is deactivated, the word "**TimerOff**" will appear beneath the time.

5.1 PROGRAMMING

From the main menu screen, pressing and holding down the button OK for 3 seconds will cause the display to show:

The buttons ↑ ↓ can be use to select the other possible settings, which are:



To set one of the three possible choices, stop on the required screen and press the button OK.

5.2 LANGUAGE SETTING

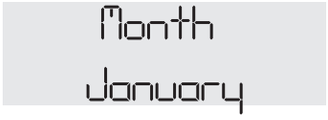
Confirming the "**Select Language**" with the button OK will access the language selections, where there is a choice of: Italian – English – French – German – Spanish. Pressing the button ↑ and ↓ scrolls through the different languages. Stop on the language required, which will start to flash and confirm the selection with the button OK.

5.3 CLOCK SETTING

Confirming the "**Select Clock**" with the button OK will access the procedure for setting the current date/time. The display will show:

The day of the week (Monday) will flash.

Pressing the buttons ↑ ↓ will select the current day of the week. Confirm the selection with the button OK The display will now show:



The month (January) will start to flash.
Pressing the buttons ↑ ↓ will select the current month. Confirm the selection with the button OK.
The display will now show:

The day for the date (30) will start to flash.
Pressing the buttons ↑ ↓ will select the current day of the month. Confirm the selection with the button OK. The display will now show:

The year for the date (2007) will start to flash.
Pressing the buttons ↑ ↓ will select the current year. Confirm the selection with the button OK.
The display will now show:

The hour (09) will start to flash.

Pressing the buttons ↑ ↓ will select the correct hour. Press the button OK o confirm and the minutes (18) will start to flash. Pressing the buttons ↑ ↓ will select the minutes. Press the button OK to confirm and at this point, the display will show:

YES will start to flash;
Pressing the button OK to confirm this setting will enable the change-over from summer to winter time. Pressing the buttons ↑ ↓, to select **NO** (flashing) and confirming with the button OK will deactivate the changeover from summer to winter time.

5.4 ON/OFF TIMER SETTING

Confirming the "**Select Timer**" screen with the button OK enables the procedure for setting the appliance switching on/off times using the weekly Timer function. The display will show:

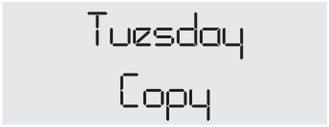
The word **ON** will flash; pressing the button OK, to confirm will pass to the procedure for setting appliance switching on/off by Timer. If the buttons ↑ ↓, are used to select **OFF** (flashing) and this is confirmed by pressing the OK button, the appliance will no longer be controlled by the Timer and all switching on and off operations will be performed manually.
If **ON** is confirmed to enable Timer switching on/off, the display will show:

The day of the week will flash. Pressing the buttons ↑ ↓ it is possible to scroll through the days of the week. Once the day to be set is viewed (in this case, Monday), press the button OK to confirm and the display will show the switching on time for that day:

The two digits for the hour (07) will flash. Pressing the buttons ↑ ↓ will select the hour; press the button OK. to confirm. The digits for the minutes (35) will start to flash automatically. Pressing the buttons ↑ ↓ will select the minutes; press the button OK to confirm.
The program will now automatically proceed to the process for setting the switching off time and **Mon 1°ON** on the display will now read **Mon 1°OFF**. The procedure for setting the switching off time is the same as for the switching on time.

☞ **NOTE.**
The timer can control three different time periods. After confirming the minutes for the switching off time, by pressing the button OK it is possible to select – for the same day - two further switching on/off periods, following the same procedure as described above. If the appliance is only required to switch on and off once throughout the day, it is sufficient to set the first time period and to select the same switching on and off times proposed for the other two periods, which will coincide with the OFF time for the previously set time period.

After setting the first day, confirming the OFF time for the third time period of the day by pressing the button OK, the display will show:



The day (Tuesday) will start to flash.
If the same time settings as the previous day are required, hold down the button OK for 3 seconds to copy all the settings. The display will then show the next day. Repeat this operation until you get to the day for which different switching on/off times are required.
The day on the display will start to flash; pressing the button OK you start again the procedure for setting the time period as previously described here for Monday.

NOTE.
If the machine is to be left on for several days, the OFF time for the selected day and the ON time for the following day must be set at a minute's difference from one another ((OFF 23:59 - ON 00:00).

6 ALARM MANAGER

6.1 NO WATER IN THE TANK

The lack of water in the tank (4) is signalled by the red control light (21) on the control panel (9), which will switch on. Fill the tank with at least 1 litre of cold drinking water (the tank can hold up to 3 litres of water).

6.2 FAILURE IN WATER DOSING SYSTEM FOR COFFEE

This alarm means that the water dosing system for delivery coffee has an anomaly. There could be a flow meter operation failure or the coffee may be too finely ground. The alarm is signalled by the control lights 14-15-16, which will switch on if a one-cup coffee dose is being delivered or by the control lights 17-18-19 if a two-cup coffee dose is being delivered.
The appliance will continue to deliver coffee without stopping at the set dose. To stop the coffee delivery operation, press the 1-coffee (24) or 2-coffee (25) button.
If this alarm occurs, contact an authorised technical assistance centre.

6.3 BOILER TEMPERATURE READING SYSTEM FAILURE (Only with boiler switched on)

This is a blocking alarm and it is signalled by the control lights 19-20-21, which remain lit.
This alarm occurs when the temperature exceeds 145°C (temperature probe short circuit) or when it is less than 60°C (temperature probe disconnected).
To cancel the alarm will occur from the display, switch off the boiler by pressing the button 26; the appliance can continue to operate with the boiler switched off.
If this alarm occurs, disconnect the appliance from the mains power and call an authorised technical assistance centre.

6.4 BOILER TEMPERATURE READING SYSTEM FAILURE

This is a blocking alarm and it is signalled by the control lights 20-21, which remain lit.
This alarm ocurs when the temperature exceeds 145°C (temperature probe short circuit) or when it is less than 60°C (temperature probe disconnected).
When the appliance is first switched on, if the temperature has not exceeded 60°C after 5 minutes, the alarm will occur.
If this alarm occurs, disconnect the appliance from the mains power and call an authorised technical assistance centre.

6.5 FAILURE IN BOILER HEATING ELEMENT PILOTING DEVICE (TRIAK) (Only with boiler switched on)

This is a blocking alarm and it is signalled by the control lights 19-20-21, flashing. This alarm occurs when the temperature exceeds 140°C (triak in constant operation).
If this alarm occurs, disconnect the appliance from the mains power and call an authorised technical assistance centre.

6.6 GROUP HEATING ELEMENT PILOTING DEVICE (TRIAK) FAILURE

This is a blocking alarm and it is signalled by the control lights 20-21, flashing. This alarm occurs when the temperature exceeds **140°C** (triak in constant operation).
If this alarm occurs, disconnect the appliance from the mains power and call an authorised technical assistance centre.

6.7 BOILER AUTOMATIC REFILL SYSTEM FAILURE (Only with boiler switched on)

This is a blocking alarm and it is signalled by the control light 13, which will flash. This alarm occurs when the automatic refill system for the boiler has been operating for more than 1 minute. To cancel this alarm from the display, switch off the boiler by pressing the button 26; the appliance can continue to operate with the boiler switched off.

7 ROUTINE APPLIANCE MAINTENANCE TO BE PERFORMED BY THE CUSTOMER

To grant efficient equipment and correct operation, it is necessary to follow the manufacturer's instructions, carrying out cleaning and routine maintenance.

⚠ WARNING

Cleaning and routine maintenance operations must be carried out by the user according to the manufacturer's instructions, listed here below. Before carrying out any kind of cleaning operation, disconnect the appliance from the mains power.
Cleaning and routine maintenance operations must be performed when the machine is cold and wearing protective gloves to avoid abrasions.
Do not use jets of water to clean the appliance.

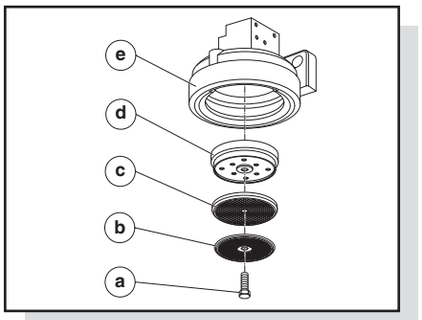
DAILY AT THE END OF WORK

- Switch off the appliance, let it to cool down and then clean the filter holder (11) and filters, making sure that no dirt is left inside the filter holder and that all filter holes are clean (use an abrasive sponge for this operation).
- Clean the shower heads below the delivery group (10) with the brush provided.
- Clean the drip tray (1) and the drip tray grid (12), using standard detergents if necessary.

EVERY TWO WEEKS

After turning off the machine, remove the shower heads using the wrench provided; brush them carefully, making sure that all the holes are clean and then reassemble them following the sequence illustrated in the figure here below.

a	Fastening screw
b	Small shower head
c	Large shower head
d	Shower head block
e	Delivery group



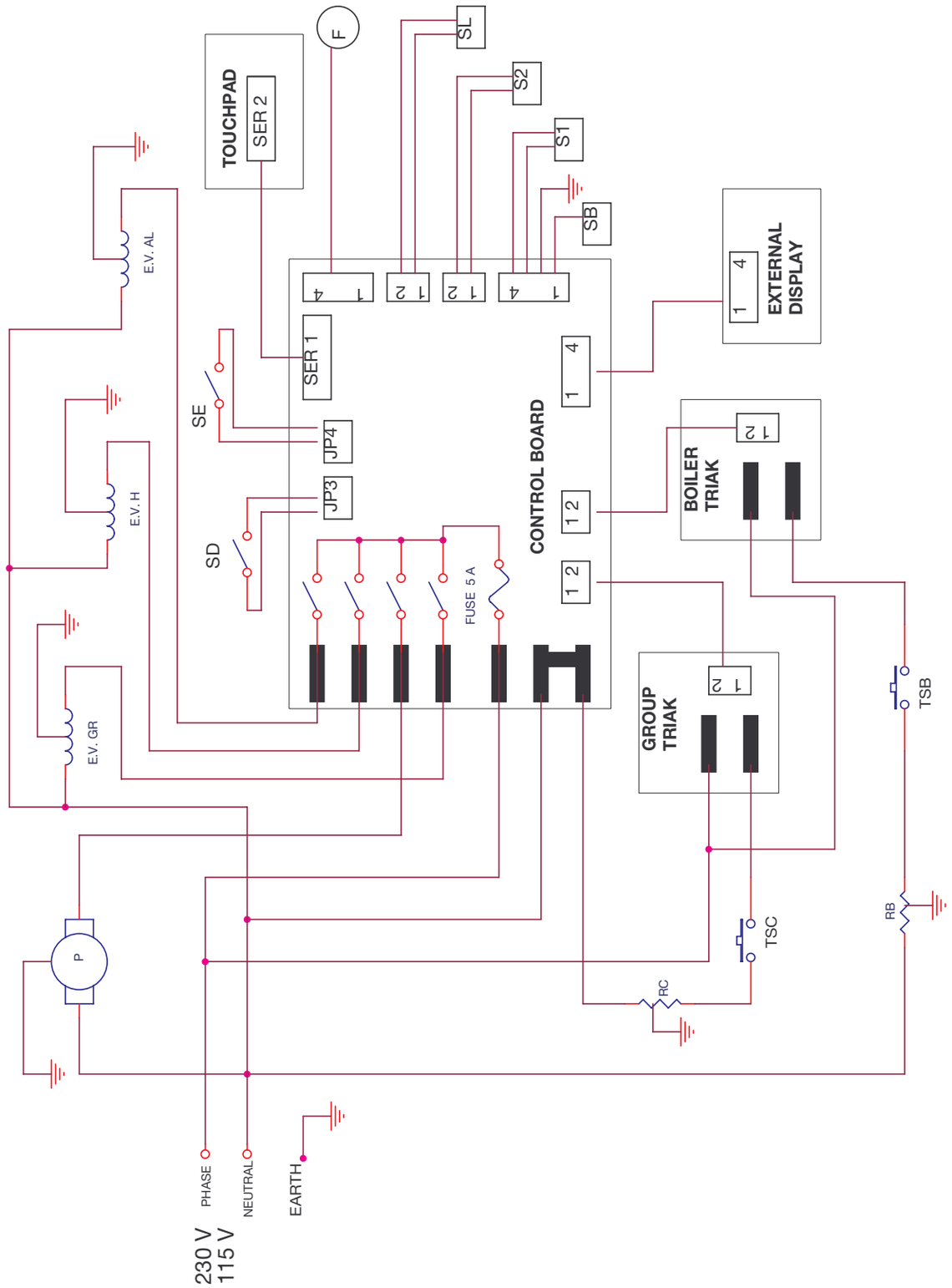
Use a rough sponge to clean any scale build up from inside the tank (4).

⚠ WARNING

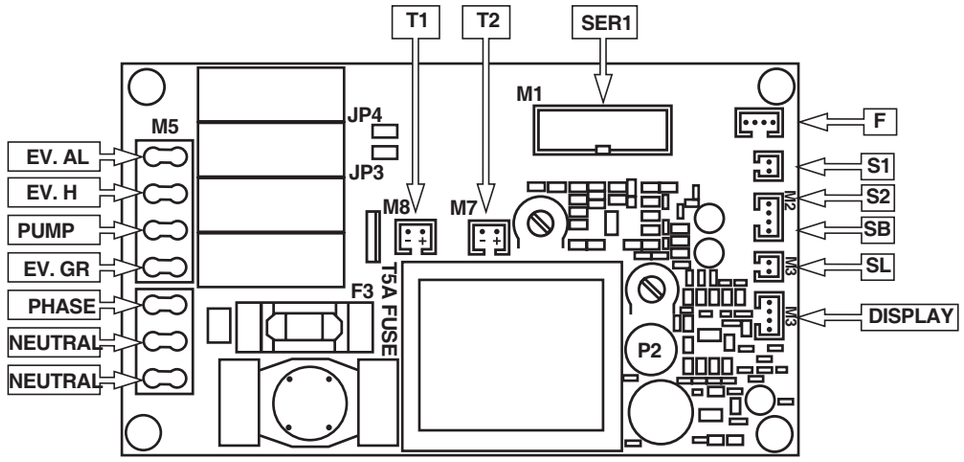
Every day, at the end of work and after daily cleaning, turn off the appliance using the ON/OFF button and disconnect it from the mains power.

8 DIAGRAMS

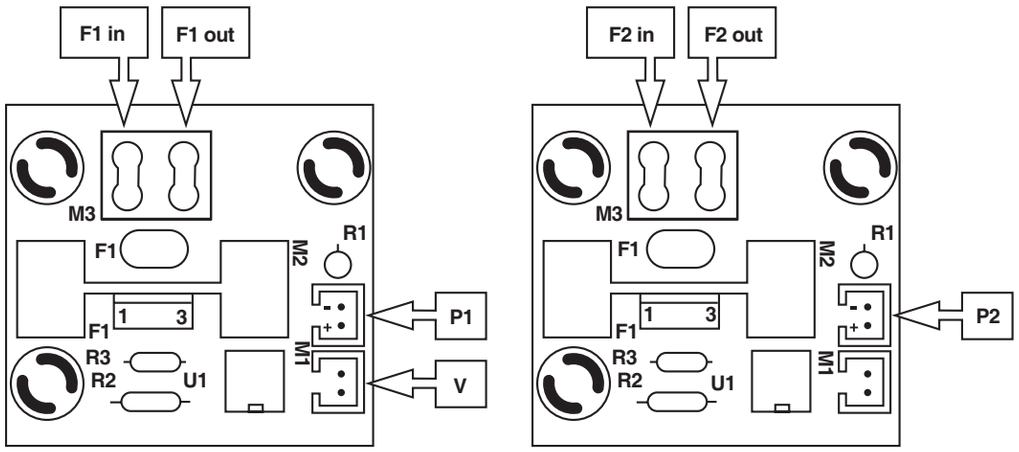
8.1 WIRING DIAGRAM



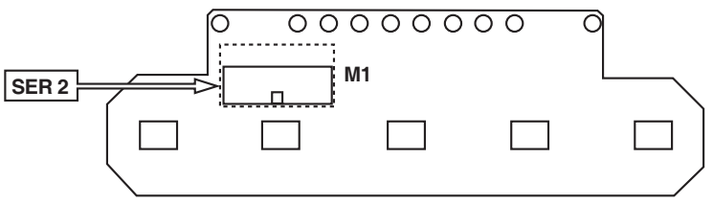
8.2 POWER DIAGRAM



8.3 TRIAK DIAGRAM



8.4 LED CIRCUIT

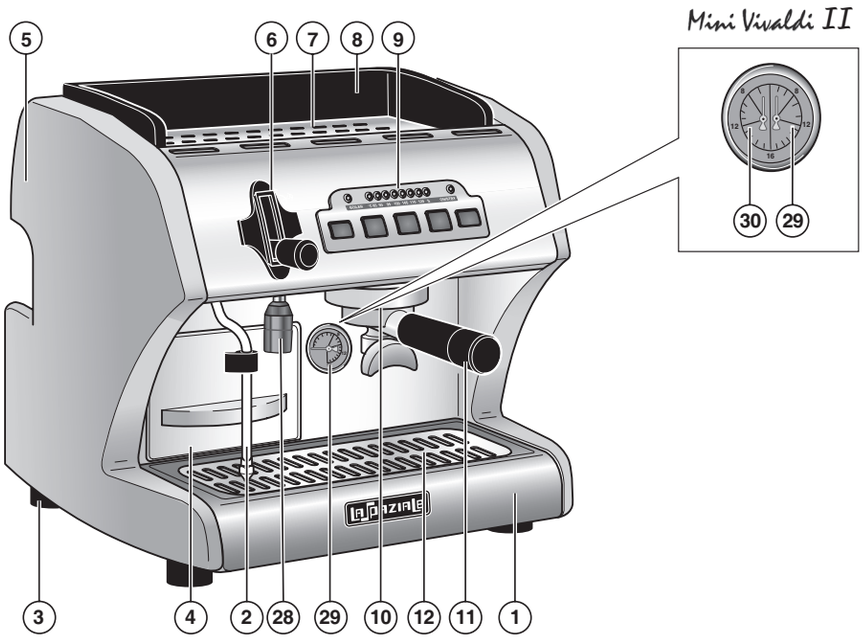


8.5 KEY TO WIRING DIAGRAMS

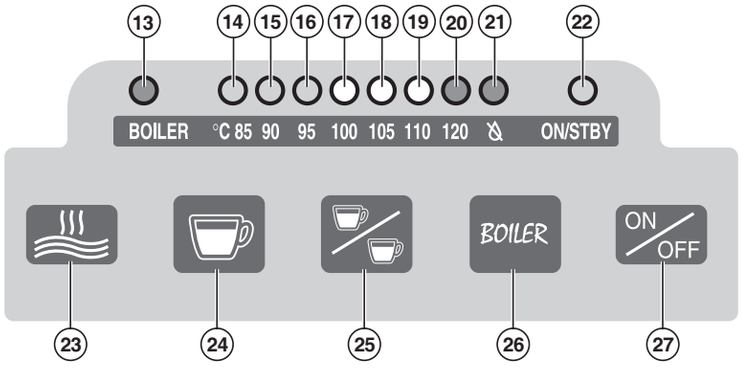
EV GR	Delivery group solenoid valve
EV H	Hot water delivery solenoid valve
EV AL	Automatic boiler refill solenoid valve
T1	Connection of triak feeding the boiler heating element on main board
T2	Connection of triak feeding the group heating element on main board
P1	Connection of main board to the triak feeding the boiler heating element
P2	Connection of main board to the triak feeding the group heating element
SER1	Front connection to main board
SER2	Main board connection to front board
F	Flow meter
F2 in	Input to phase of triak feeding boiler heating element
F2 out	Output to phase of triak feeding the boiler heating element
F2 in	Input to phase of triak feeding group heating element
F2 out	Output to phase of triak feeding the group heating element
S1	Boiler temperature sensor
S2	Delivery group temperature sensor
v	Triak cooling fan connection
TSC	Safety thermostat for delivery group boiler heating element
RC	Delivery group boiler heating element
SL	Container lever sensor
SB	Boiler water level control
P	Vibrating pump
RB	Boiler heating element
TSB	Boiler heating element safety thermostat
JP4	Economy mode selector connection
JP3	External display selector connection
SD	External display selector
SE	Economy mode selector

8.6 PARTS

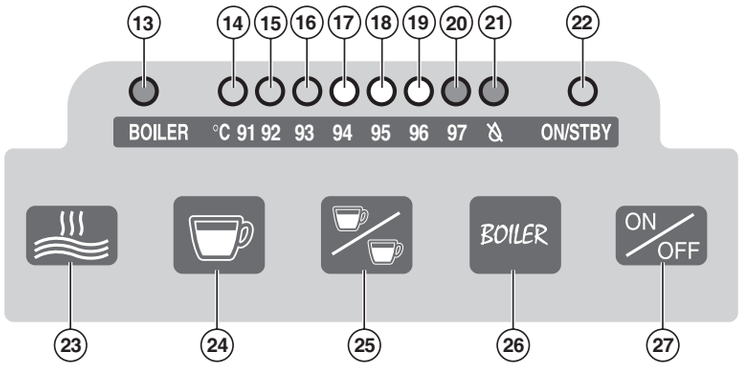
Mini Vivaldi



Mini Vivaldi



Mini Vivaldi II



8.7 KEY TO PARTS

1 Drip tray
2 Steam wand
3 Foot
4 Water tank
5 Side panel
6 Steam delivery lever
7 Top cup grid
8 Cup guard
9 Control panel
10 Delivery group
11 Filter holder
12 Drip tray grid
13 Boiler status control light
14 Control light indicating water temperature for coffee 85 °C (91 °C on the MINI VIVALDI II version)
15 Control light indicating water temperature for coffee 90 °C (92 °C on the MINI VIVALDI II version)
16 Control light indicating water temperature for coffee 95 °C (93 °C on the MINI VIVALDI II version)
17 Control light indicating water temperature for coffee 100°C (94°C on the MINI VIVALDI II version)
18 Control light indicating water temperature for coffee 105°C (95°C on the MINI VIVALDI II version)
19 Control light indicating water temperature for coffee 110 °C (96 °C on the MINI VIVALDI II version)
20 Control light indicating water temperature for coffee 120°C (97°C on the MINI VIVALDI II version)
21 Control light indicating empty water tank
22 Power control light
23 Hot water delivery button
24 1-cup delivery button
25 2-cup delivery button
26 On/off button for the boiler for steam and hot water for infusions
27 ON/OFF button (machine on/off)
29 Hot water spout
29 Steam pressure gauge for the boiler for steam and hot water for infusions
30 Motor-driven pump pressure gauge.

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