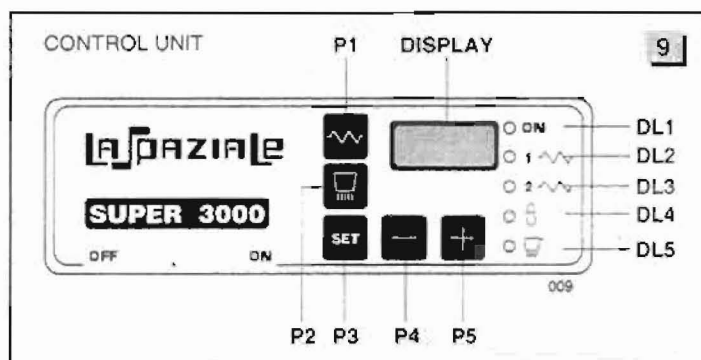


-  The models ELETTRIK and SELETRON (Series SUPER 3000) are provided with an electronic control box (whose data are set out at the origin by the manufacturer) for the thermoregulation of the boiler temperature (default data).

These data are:

- Boiler temperature: 120° C
- Thermic differential (ΔT) 1° C

-  The following chapter contains instructions for the modification of the data concerning the working temperature.



CONTROL PANEL DRAWING

Warning Lights

- DL1** The machine is on
- DL2** Operating condition of the thermoregulation (whether boiler electric resistances are connected or disconnected)
- DL3** Operating condition of the boiler heating resistances
- DL4** Operating condition of the boiler self-levelling system
- DL5** Operating condition of the electric cup warmer

Description of push-buttons during normal operation (DIP-SWITCH is turned OFF)

- P1** Boiler heating resistances ON/OFF
- P2** Cup warmer heating resistances ON/OFF
- P3** Boiler temperature display
- P4** Cup counter display
- P5** No function for last version. Versions before 01.01.95: electronic control box temperature display (during normal operation).

Description of the dip-switches on the electronic control box

- DIP 1** OFF normal operation
ON turned on when setting temperature parameters
- DIP 2** OFF normal operation
ON turned on when the process of self-diagnosis of the control box is in operation

FOR SELETRON ONLY

- DIP 3** OFF normal operation
ON turned on when setting doses for the dispensing units
- DIP 4** OFF No function (WARNING! Keep it in OFF position).

PARAMETERS SETTING FOR THE THERMOREGULATION

- Models SELETRON and ELETTRIK SUPER 3000 -

If you wish to modify the key-parameters already set out by the manufacturer, proceed as follows:

- Open the electronic control box which is placed on the base of the machine
- ⚠ **Do not touch high-voltage components with hands or tools; be careful not to wet the electric and the electronic system.**
- Move DIP 1 of the control box to the ON position; first P1 (code for temperature programming) will appear, and soon after it "120°".
- Press buttons "+" or "-" to modify this datum (programming phase possible between 105° C minimum and 127° C maximum).
- Press button "SET" to confirm the datum.
- P2 (ΔT programming = thermic differential will now appear, and soon after it "1°C".
- Press buttons "+" or "-" to modify this datum (programming phase possible from 0.5°C minimum to 5°C maximum)
- Press button "SET" to confirm the datum and P3 (probe calibration programming, already set by the manufacturer) will appear on the display.
- Press again button "SET" and move DIP 1 to the OFF position.
- Close the wiring connections box and check how the newly set parameters.

DOSE SETTING - Models SELETRON and NEW EK -

The models SUPER 3000 SELETRON and NEW EK are endowed with a key-board with 4 buttons corresponding to the different doses already set, and 1 button for coffee manual output (ON/OFF). Proceed as follows to set the doses:

SUPER 3000 SELETRON

In the SELETRON model the 4 automatic doses are already set by the manufacturer with the following datas:

- | | |
|-----------------------|-----------------------|
| 1° DOSE: 230 impulses | 3° DOSE: 390 impulses |
| 2° DOSE: 250 impulses | 4° DOSE: 425 impulses |

NOTE

Machines provided with a volumetric counter of 0,57 mm diameter: 3 pulses correspond to 1 cl.

Machines provided with a volumetric counter of 1,15 mm diameter: 2 pulses correspond to 1 cl.

In order to modify these data it is necessary to open the electric wiring connections box on the base of the machine.

- ⚠ **Do not touch high-voltage components with hands or tools; be careful not to wet the electric and electronic systems.**

- 1° Move DIP 3 to ON position and press button P4: the display is set for pulses counting.
- 2° Make coffees on the 1st group on the right by pressing the button (*) of the corresponding keyboard. Make coffee both using the 1-cup coffee holder (to get 1 short and 1 long coffee) as well as the 2-cups holder (to get 2 short and 2 long coffees); you will obtain the number of pulses corresponding to the 4 buttons (automatic dose). Write down these data and use them to program the corresponding doses.
- 3° Press at the same time the buttons "+" and "-" for about 5 seconds, until E1 (programming of dispensing unit) will appear on the display: all leds of the control panel will flash.
- 4° Press the first button of the keyboard (1 short coffee) and use buttons "+" and "-" to modify the number appearing on the display until you obtain the number of pulses you need for your dose (See point 2).
- 5° Press again the first button of the keyboard to confirm the new datum.
- 6° Repeat this operation for the other 3 buttons of the same keyboard. After having programmed the first keyboard, press button SET for about 5 seconds until all leds of all the keyboards of the machine will light. You can follow this procedure if you want to copy the same doses on all the keyboards.
- 7° After this operation move DIP 3 to the OFF position and close the electric wiring connections box.



How to get a different dose on each dispensing unit

See point 6: instead of pressing button SET, proceed as follows:

After having programmed the first dispensing unit on the right, press the button (*) of the keyboard whose doses you wish to modify, and repeat the same operation as the one of the first keyboard.

 The display will show the code of the dispensing unit you will be operating on:

E1 1st group on the right

E2 2nd group on the right

E3 3rd group on the right

E4 4th group on the right

NOTE

When you set a dose, you select a number of pulses on the volumetric counter so as to get the quantity of coffee required. Each dose may be set from 50 to 1999 pulses (step 1).

However, since the display shows three figures only, when it exceeds 999 pulses, it starts again from 0, while the decimal points on the display flash (this means that you have exceeded 1000 pulses).



WARNING

Should the voltage suddenly cut off when entering new data, check parameter values, once the voltage is restored, because the data you have set might not have been saved properly (on this special condition, the alarm A00 may appear on the display. In this case repeat data setting)

We recommend that you do not select self-diagnosis program contemporaneously to data setting program.

NEW EK

The machine is provided with an electronic control unit to control the boiler level and the doses of the dispensing units. The system for setting the water doses of the dispensing units is based on volumetric counters (as for SELETRON), but, since there is no display for the visualisation of the pulses to be modified, you have to act as follows, in order to set the new doses:

1° Press button (*) of the first keyboard for at least 5 seconds until all leds of it will flash

2° Fasten a filter holder with coffee inside to the group within 30 seconds; put a cup under the filter holder and press the first button of the keyboard.

3° When the coffee reaches the required dose, press the same button to stop the coffee flow: this quantity will be confirmed as well.

4° Repeat the same procedure on the other 3 buttons of the first keyboard on the right.

5° Finally press (*) button to quit.

WARNING

By setting the doses on the first keyboard on the right, automatically they will be transferred on the other keyboards; if you want to get different doses for a particular group, repeat the dose-setting procedure on it.

NOTE

Press button (*) to quit the programming phase or wait for about 30 seconds: you will automatically quit it.



ALARM DESCRIPTION - FOR SUPER 3000 SELETRON AND ELETTRIK ONLY

These models are provided with a box control unit with display to carry out all the functions. Furthermore it signals all eventual faults by using the following warning codes that can be visualized on the display:

- A00** | Because of external causes the control box has lost the data set by the installer; therefore it functions with standard parameters. Enter temperature parameter setting to cancel this alarm (for SELETRON also dose parameters). If the problem keeps existing, proceed to the replacement of the control box.
- A01** | If the coffee machine reaches 135°, for any reason, this alarm starts working by stopping all functions of the machine. This alarm automatically disappears when temperature falls down to 130°.
- A02** | This alarm signals that the boiler temperature probe is cut off. The display indicates:
UFL if the temperature is below 0°C or the probe is cut off.
OFL if the temperature is higher than 140 °C or if the probe is short circuited.
In both cases the machine is completely cut off. Before replacing the probe, check its connections to the electric control box.
- A03** | This alarm signals that the boiler self-levelling system has been connected for more than 4 minutes; therefore the automatic load is blocked while other functions of the machine keep operating. Switch off the machine for a while, and switch it on again to cancel this alarm. Check boiler self-levelling system, should this alarm appear again.
- A04** | Error in dispensing unit 1 (on the right)
- A05** | Error in dispensing unit 2 (on the right)
- A06** | Error in dispensing unit 3 (on the right)
- A07** | Error in dispensing unit 4 (on the right)
These 4 alarms indicate that the dispensing unit was connected for more than 4 minutes.
This alarm is cancelled by pressing again the button that caused the blocking of the group (the led of this button is flashing during this phase).
- A08** |
- A09** | } These 2 alarms are not to be found in the last versions.
- A10** | It signals that the power supply is out of range: the power supply system has to be checked by qualified personnel. This alarm automatically disappears when the voltage turns normal. Voltage must range from 180 volts minimum to 270 volts maximum.



FOR SELETRON ONLY

- A11** **Flashing light:** low flow in dispensing unit 1 on the right
Fixed light: insufficient flow in dispensing unit on the right
- A12** **Flashing light:** low flow in dispensing unit 2 on the right
Fixed light: insufficient flow in dispensing unit 2 on the right
- A13** **Flashing light:** low flow in dispensing unit 3 on the right
Fixed light: insufficient flow in dispensing unit 3 on the right
- A14** **Flashing light:** low flow in dispensing unit 4 on the right
Fixed light: insufficient flow in dispensing unit 4 on the right

When one of these alarms is flashing, the dispensation of coffee in progress is carried out, even though the dose is probably not regular; on the contrary, when the alarm is fixed, the dispensation of coffee is stopped after about 10 seconds (in this case the led of the selected dose button flashes).
These alarms can be cancelled only by pressing again the same button.

