



INSTALLATION AND USE MANUAL

La San Marco Spa

PLUS 10

EN

ENGLISH



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INTRODUCTION AND GENERAL INSTRUCTIONS

Thoroughly read the instructions contained in this booklet because it gives important information regarding safety for installation, use and maintenance. Keep this booklet in a safe and accessible place for further consultation.

This machine must be used only for the purpose it was designed:

dispensing coffee, cappuccino and pouring hot water

Any other use is to be considered inappropriate and therefore dangerous.

The manufacturer declines all responsibility for damage caused by any improper, incorrect and unreasonable use of the machine.

The use of any electric appliance implies the observance of some fundamental rules.

More specifically:

- do not touch the appliance with your hands or feet wet or damp
- do not use the appliance with bare feet
- do not pull the power cord to disconnect the plug from the power socket
- do not leave the appliance exposed to the weather (rain, sun, frost)
- do not let children or untrained persons use the appliance.

Before carrying out any cleaning and maintenance, disconnect the appliance from the power supply, pulling the plug from the power socket and turning off the main switch.

In case of failure or malfunction turn the machine off and do not attempt to carry out any repairs or direct operations on the machine.

All repairs must be carried out in a La San Marco S.p.A. Authorised Service Centre, using original spare parts only.

Failure to comply with the above recommendations will compromise the safety of the machine and the warranty conditions.

If this machine is no longer used, we recommend that it is made inoperative by disconnecting the power cord and water tube from the power supply, and all potentially dangerous parts are made harmless, especially to protect children who might use the machine for their games.

INSTRUCTIONS FOR INSTALLATION

Installation must be carried out according to the manufacturer's instructions.

An incorrect installation can cause damage to persons, animals or things; the manufacturer declines all responsibility for such situation.

After unpacking check that the machine is not damaged.

If in doubt, do not use the machine and contact a La San Marco Authorised Service Centre.

All packing materials (plastic wrapping, polystyrene, nails, etc.) are potentially dangerous and must be kept out of children's reach and disposed of in a safe manner for the environment.

Before connecting the machine to the power supply make sure that the rating information of the machine correspond to that of the power supply: if the power socket is not compatible with the plug of the machine (if supplied), replace the socket with a proper one, ensuring that the size of the cable is suitable for the absorbed power of the machine. If you replace the power cord, use an H07RN-F cord again.

Make sure that the voltage rating of the machine corresponds to that of the power supply, and that the power supply is adequate to additional power absorption of the machine.

After installing the main switch and fuses (see annex), connect the power cord of the machine to the main switch according to the attached electrical diagram.

The use of adapters, multiple power boards and extension cords is not recommended.

If it is absolutely necessary, then use only single or multiple adapters and extension cords which comply with current safety regulations, ensuring also that the electricity load capacity of the single adapters and extension cords and the maximum power rating of the multiple adapters is suitable.

The electrical safety of this machine can be guaranteed only if correctly connected to an efficient earth circuit as indicated by current electrical safety regulations.

It is necessary to check this fundamental safety prerequisite, and in case of doubt, ask a professionally qualified technician to check the circuit.

The manufacturer declines all responsibility for any damage caused by failure to earth the machine.

In order to avoid any dangerous overheating, we recommend that the power cord be fully unwound.

The power cord of this machine must not be replaced by the customer.

In case of damage to the cord, contact exclusively a La San Marco S.p.A. Authorised Service Centre.

Do not leave the machine connected unnecessarily.

Turn off the main switch of the machine when not in use.

Do not cover the ventilation openings of the machine.

Place the machine at an adequate distance from walls, objects, etc.

The machine must be connected to a system with a water pressure, which is not greater than 5 bar. (Kg/cm²).

If the pressure is greater, a pressure reducer must be installed.

Install a water softener above the machine.

ENVIRONMENTAL CONDITIONS TO USE THE MACHINE

Environmental temperature: 5 – 45 °C (empty the hydraulic system in case of freezing)

Maximum humidity: 80% relative humidity

Water hardness: 5° eh, 7° dH, 13° Fh

SPECIAL INSTRUCTIONS FOR USE AND MAINTENANCE

For a correct functioning of the machine it is fundamental to comply with the manufacturer's instructions, having qualified personnel to carry out ordinary maintenance and to check all safety devices.

Avoid exposing hands or other parts of the body to the coffee dispensing spouts or to the hot water nozzle. The water from the nozzle is very hot and can cause severe burns.

The water nozzle is very hot and therefore must be handled with care, holding it in the appropriate point.

Do not use the machine without water.

Do not leave the machine in rooms where the temperature is below zero °C or 32 °F without having first drained the boiler and the hydraulic circuit.

A softener needs to be used where the water is very hard and where the calcareous scaling is particularly extensive.

In any case, regularly check the boiler even where the water is not very hard, and if necessary, have the resistors and tubing descaled by specialised technicians.

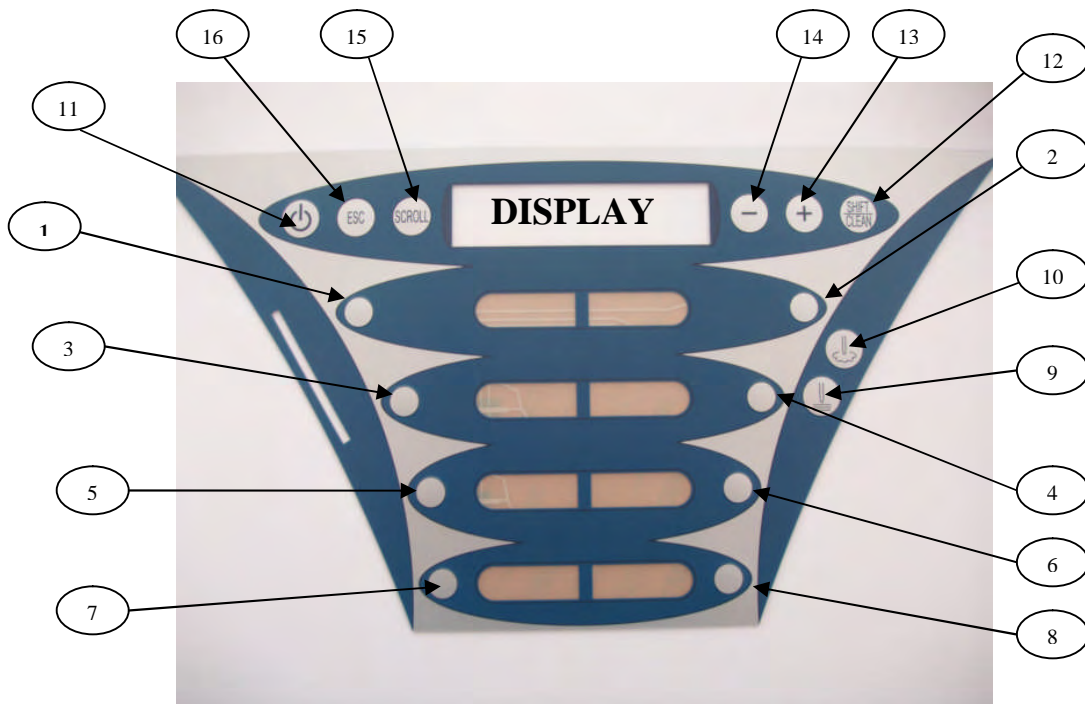
Failure to clean La San Marco S.p.A. machines daily, especially for brewing unit and milk frother, using approved cleaning products and following specified cleaning procedure will result in void warranty and service contract.

NOTE:

A)THE REGISTRATION AND TECHNICAL DATA PLATE OF THE MACHINE IS BEHIND THE GROUND BIN

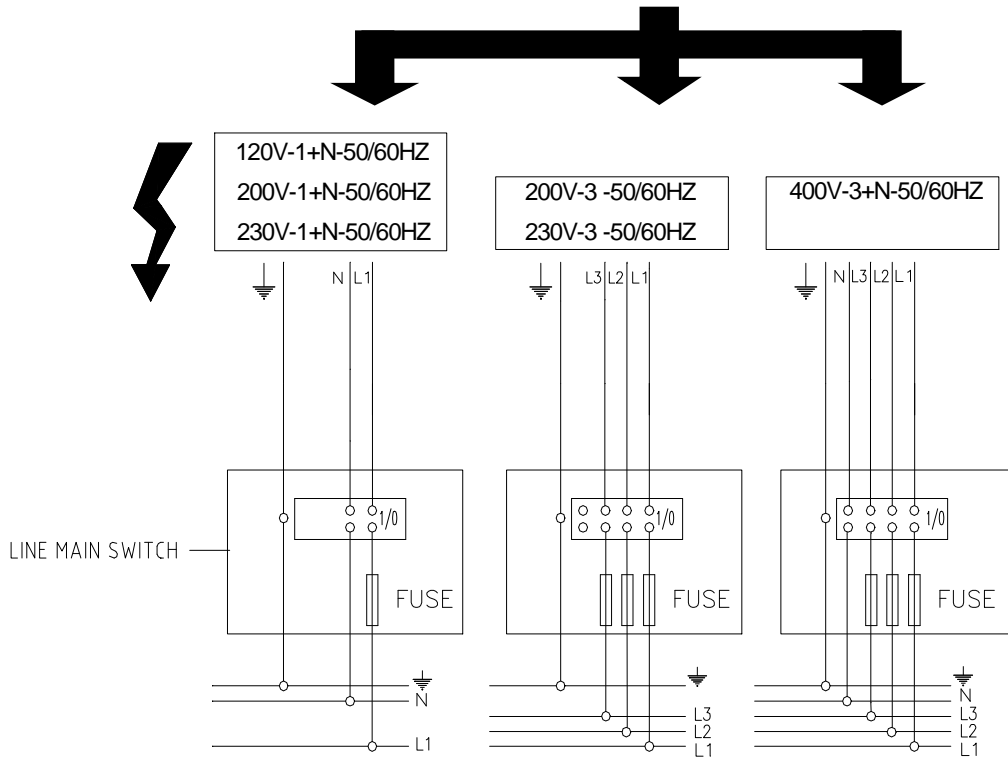
B)THE EQUIPMENT SHALL BE INSTALLED IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

MACHINE KEYPAD

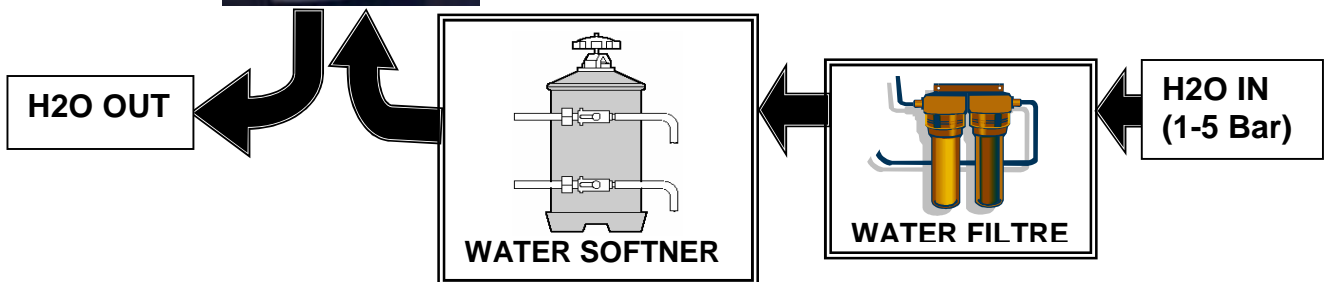


	KEY REFERENCE	PLUS 10 LM	PLUS 10 COF	PLUS 10 SELF LM	PLUS 10 SELF COF
COFFEE GROUP	1	Espresso	1 Espresso	Espresso	Espresso
	2	Espresso Macchiato	2 Espresso	Espresso Macchiato	Coffee
	3	Coffee	1 Coffee	DISABLE	DISABLE
	4	Cappuccino	2 Coffee	DISABLE	DISABLE
	5	Large coffee	1 Black Coffee	Large coffee	Large coffee
	6	Latte macchiato	2 Black coffee	Latte macchiato	Black coffee
	7	Caffè Latte	1 Americano	DISABLE	DISABLE
	8	Milk	1 Jug	DISABLE	DISABLE
	9	Hot water	Hot water	Hot water	Hot water
	10	Steam	Steam	Milk	Americano
SERVICES	11	On-Off	On-Off	On-Off	On-Off
	12	Clean / Shift / Continuous / Enter	Clean / Shift / Continuous / Enter	Clean / Shift	Clean / Shift
	13	+	+	+	+
	14	-	-	-	-
	15	Scroll	Scroll	Scroll	Scroll
	16	Esc	Esc	Esc	Esc

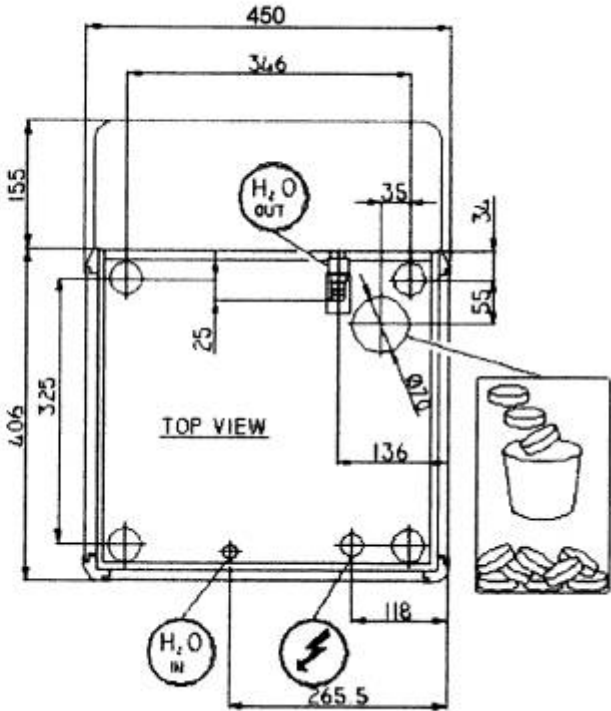
ELECTRIC CONNECTION



HYDRAULIC CONNECTION



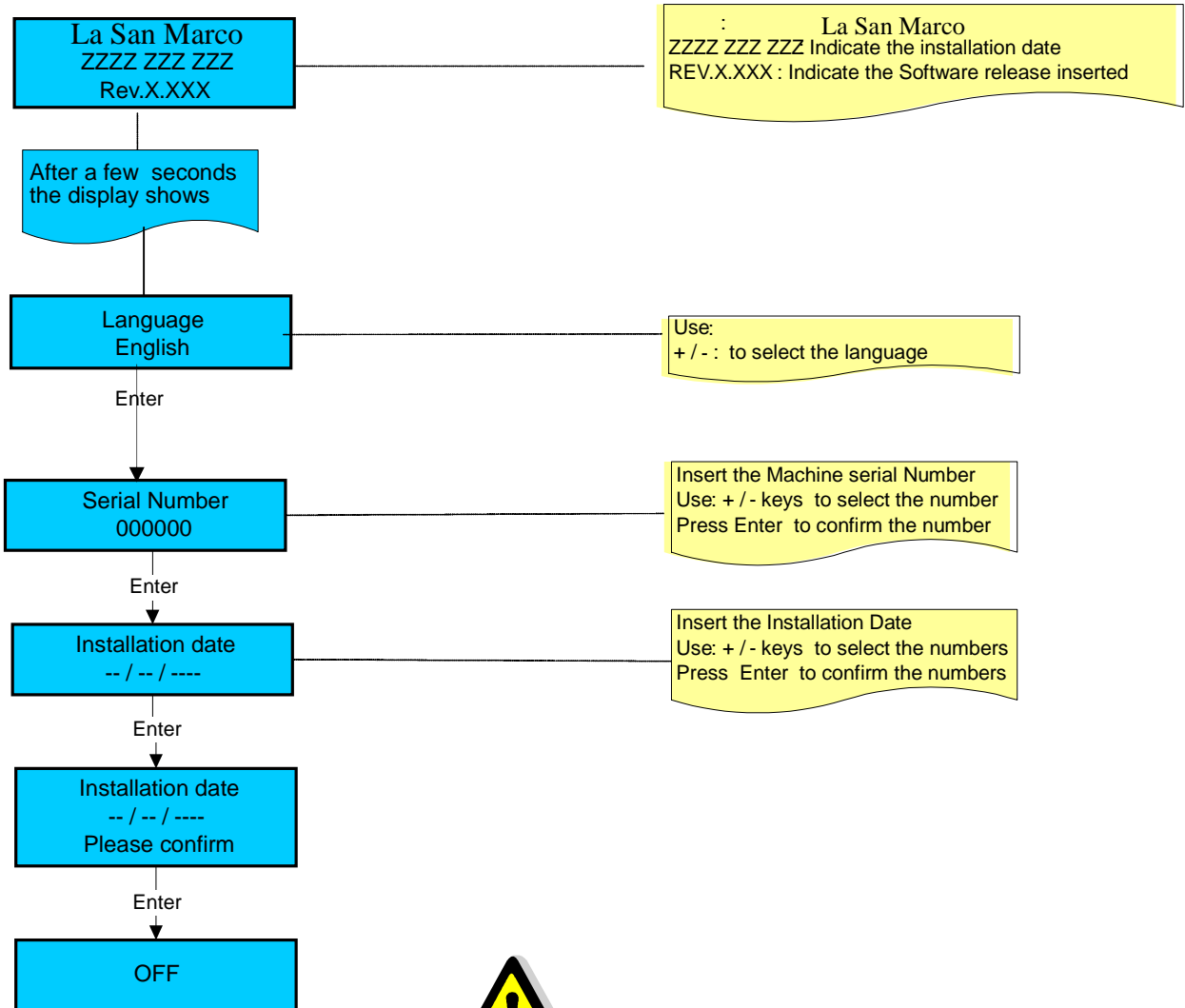
POSITION FOR ELECTRICAL -HYDRAULIC CONNECTION AND DIRECT DISCHARGE



STARTING UP

Press n° 11 ON/OFF key to switch the machine ON

After having connected the machine to the water and electric networks, turn the switch on (see diagram).
The display shows:



WARNING

If the language choice is not displayed keep the machine in OFF mode. It is absolutely necessary contact your technical service to carry out a PRESET CONFIGURATION DATA procedure .

Press the key N°11(ON/OFF), the display shows:

Filling - up steam boiler

During this stage the steam boiler is being filled up

WARNING:

In according to the machine configuration in this stage will be release the air inside the boiler by opening a steam nozzle, milker or hot water solenoid valve.

When the steam boiler has been filled up, the display shows:

Filling - up coffee boiler
Press T 1
When water exits

During this stage the coffee boiler is being filled up

WARNING:

The upper piston of the coffee group positions itself inside the brewing chamber, and the coffee boiler starts filling up. When the coffee spout starts dispensing water, press the key dose N° 1 to confirm that the filling up procedure has been carried out. When the coffee boiler has been filled up, the display shows:

Coffee Steam
XXX C° YYY C°

Where:

- XXX °C indicates the temperature of the coffee boiler
- YYY ° C indicates the temperature of the steam boiler

WARNING:

A) DURING THIS STAGE REMOVE ANY PITCHER WITH MILK OR ANY OTHER KIND OF LIQUID BY THE STEAM WAND.

B) DURING THIS STAGE THE STEAM NOZZLE SOLENOID VALVE FOR PLUS 10 COF VERSION AND THE MILK FROTHER SOLENOID VALVE FOR PLUS 10 LM WILL STAY OPEN UNTIL 95°C. THIS WILL RELEASE THE AIR FROM THE BOILER AND GENERATE STEAM.

c) WHEN THE BOILER TEMPERATURE OF 50°C ITS REACHED THE MACHINE CARRY-OUT A RINSING GROUP .THIS IS USEFULL TO RELEASE AIR FROM THE WATER COFFEE CIRCUIT, THE DISPLAY WILL SHOW:

Then the display shows:

G. auto cleaning

When the set-up temperature has been reached, for machine configurations Standard

The display shows:

Select drink

For machine configurations: Self.

The display shows:

Select drink

Alternated with the message:

Position the cap

For machine configurations: waiters' card
The display shows

Insert card

For machine configurations: Self +Credit card
The display shows:

Insert coin
0000

For machine configuration: Self with coin box
The display shows:

Select Drink

For machine configuration: Self with coin box + credit card.
The display shows:

Select Drink

WARNING:

- For Self with coin box configuration the selections doses are enabled only when the set-up temperature of both boilers (Coffee- Steam) have been reached.
- To switch ON/OFF the machine on every type of Self – configuration keep pressed for 5 sec. Key N° 11 (ON/OFF)
To turn the machine OFF, open the machine front door or insert the smart card and press the key N°11 (ON/OFF), or use the main external switch (see diagram).
- In case of temporary voltage drop, the machine will be automatically turned back to the stage previous to the voltage drop.

If the display shows:

SELECT DRINK
Coffee not ready

The displayed message indicates that the set up heating temperature in the coffee boiler has not been reached yet, and therefore coffee based dispensing are not enabled

If the display shows:

SELECT DRINK
Steam not ready

The displayed message indicates that the set up heating temperature in the steam boiler has not been reached yet, and therefore milk based dispensing and hot water and steam dispensing are not enabled.
In both cases wait until the boiler has reached the set up heating temperature.

DISPENSING

1) Machine configurations Standard

The display shows:



Select Drink

Place a cup under the adjustable in height coffee dispenser, and press the dose key required.

The display shows:



XXXXXX

where "XXXXXX" indicates the selected dose key name.

The cursor indicates the amount of drink being dispensed.

WARNING:

- Pressing the same key during dispensing can stop the selected dose.
In case of a milk-based dose, press twice to stop dispensing; press once to stop milk dispensing, and once to stop coffee dispensing; the sequence depends on the type of dispensing.

2) Machine configurations with waiters' card.

The display shows:



Insert Card

Insert the smart card into the proper slit, the display shows in order:



Select Drink

Alternated with the message:



Waiter XX

Where XX indicates the number of the inserted waiters' card.

Place a cup under the adjustable in height coffee dispenser, and press the dose key required.

The display shows:



XXXXXX

where "XXXXXX" indicates the selected dose key name.

The cursor indicates the amount of drink being dispensed.

WARNING:

- Dispensing is enabled only when the smart card is inserted.
- The number of carried out dispensing is saved in the counter relevant to the inserted card.
- Pressing the same key during dispensing can stop the selected dose.
- In case of a milk-based dose, press any key twice to stop dispensing; press once to stop milk dispensing, and once to stop coffee dispensing; the sequence depends on the type of dispensing.

5) Machine configuration Self with coin box.

The display shows:



If you press any dose key before insert the coin / token the display shows the selected drink price:



where :

“XXXXXX” indicates the selected dose key name.

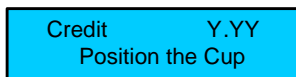
“ Y.YY “ indicates the selected price dose

After 3 sec. The display will show again:

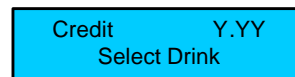


Insert the coin / token

The display shows:



Alternated with the message:



Where:

“ Y.YY “ indicates the credit inserted.

If a dose key is pressed before reach the dose price the display shows:



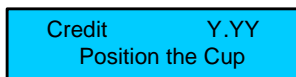
Where:

“ Y.YY “ indicates the credit inserted.

“XXXXXX” indicates the selected dose key name.

“ Z.ZZ “ indicates the selected dose key price.

After 3 sec. The display will show again:



Alternated with the message:



When the dose price it is reached, place a cup under the adjustable in height coffee dispenser, and press the dose key required.

The display shows:



Where XXXXXXXX is the name of the selected drink.

The cursor indicates the amount of drink being dispensed.

When the delivery is finished the display shows:



WARNING:

- Whit “Multi vending “ parameter enable , the change will not be returned automatically and it will be available for the next selection.
- Whit “Multi vending “ parameter disable, the change will be returned automatically .
- Extra milk function is not enabled.
- Steam function is not foreseen and not enabled.
- Continuous dispensing is not enabled.
- The selected dose cannot be stopped.
- Pressing the dose key during dispensing can stop the selected dosse if in “SET DOSE” the parameter “STOP DOSE” has been enabled.
- In case of alarm that switch OFF the machine, the credit inserted it will be lost.

6) Machine configuration Self with credit card and coin box.

The display shows:

SELECT DRINK

If you press any dose key before insert the coin / token / Credit Card the display show the selected drink price:

XXXXXX Y.YY
INSERT CREDIT

where :

“XXXXXX” indicates the selected dose key name.

“Y.YY “ indicates the selected price dose

After 3 sec. The display will shows again:

SELECT DRINK

Insert the coin / token / Credit Card

The display shows:

Credit Y.YY
Position the Cup

Alternated with the message:

Credit Y.YY
Select Drink

where :

“Y.YY “ indicates the credit inserted.

If a dose key is pressed before reach the dose price the display shows:

Credit Y.YY
XXXXXX Z.ZZ

Where:

“Y.YY “ indicates the credit inserted

“XXXXXX” indicates the selected dose key name.

“Z.ZZ “ indicates the selected dose key price

Place a cup under the coffee dispenser and press the dose key required.

The display shows:

XXXXXX
■■■■■■■■■■■■■■■■■■■■

Where XXXXXXXX is the name of the selected drink.

The cursor indicates the amount of drink being dispensed.

When the delivery is finished the display shows:

YOUR DRINK IS NOW READY

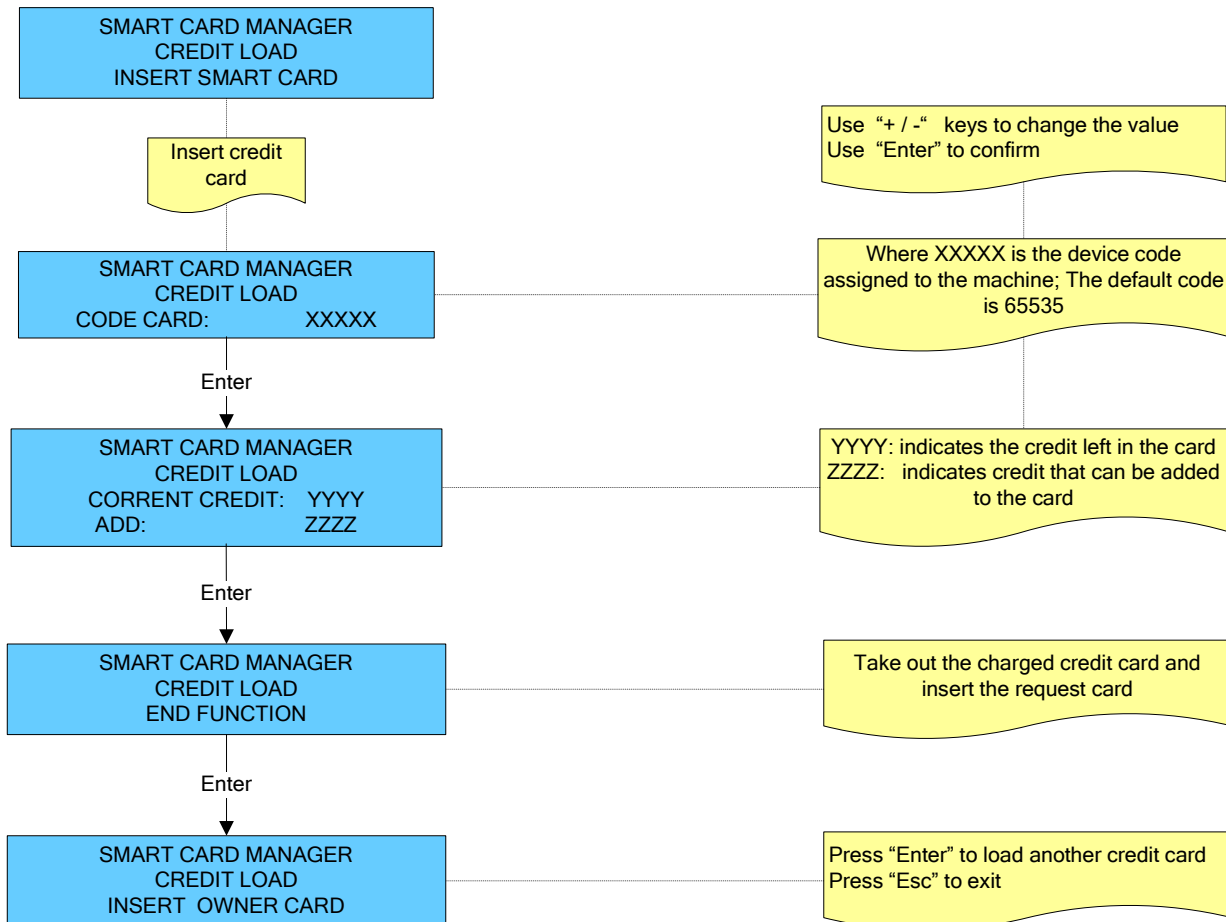
WARNING:

- Whit “Multi vending “ parameter enable , the change will not be returned automatically and it will be available for the next dose selection.
- Whit “Multi vending “ parameter disable, the change will be returned automatically .
- Extra milk function is not enabled.
- Steam function is not foreseen and not enabled.
- Continuous dispensing is not enabled.
- The selected dose cannot be stopped.
- Pressing the dose key during dispensing can stop the selected dosse if in “SET DOSE” the parameter “STOP DOSE” has been enabled.
- In case of alarm that switch OFF the machine, the credit inserted it will be lost.

QUICK REFERENCE TO LOAD CREDIT ON CREDIT CARD

Insert the Owner card into the proper slit with the machine ON then press the key N°15 (Scroll)

The display shows:



FREE DRINKS FUNCTION

To Enable or Disable the free drinks functioning of the machine with credit card, coin mechanism or both configurations, proceed as follows:

Turn the machine ON.

Insert the owner, service or technician's smart card into the proper slit.

Press the key N° 12,

The display shows:



FREE DRINKS
XXXXXX

Where XXXXXXXX indicates:

ENABLED (Self-configuration: the machine dispenses free drinks)

DISABLED (Coin mechanism: the machine dispenses drinks against payment)

Press the key n° 13 or N°14 to modify the level mode.

Press the key n° 16 to return to the previous environment and/or exit.

Press the key N° 12 to confirm.

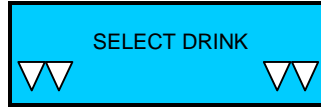
The display shows:



SELECT DRINK

SHIFT DISPENSING

The machine delivers 10 drinks, that can be doubled by means of the Shift button, for a total number of 20 drinks .
Press key No. 12 (SHIFT) once before selecting a dose, the display shows:



Where “▽▽” indicates that the selected dose will be a shift dose.

Place a cup under the adjustable in height coffee dispenser, and press the dose key required.
The display shows:



where “XXXXXX” indicates the selected dose key name.
The cursor indicates the amount of drink being dispensed.

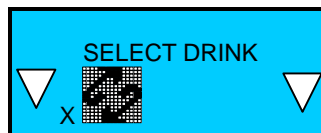
PLEASE NOTE:


- The shift dispensing are enable only if the dose keys have been programmed in Set doses shift.
- Press again the key No. 12 (SHIFT) to exit from the SHIFT mode .
- The shift doses programming is enable for standard and waiters configuration machines only

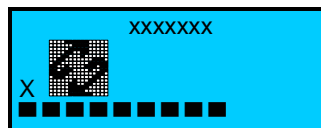
CONTINUOUS DISPENSING WITH BUTTO N°12

The “ Continuous “ function for button N°12 is enabled only if in “Parameters machine“ the parameters “ Button 12 function ” has been programmed as Continuous.

Press the key N°12 as many times as the number of doses you want to dispense, (maximum value is 9) ; the display shows:



Where X  indicates the number of cycles that the machine will automatically carry out for the dose you will select.
Press a dose key the display shows :



Where :
“XXXXXXX” indicates the selected dose key name.
The cursor indicates the amount of drink being dispensed.

WARNING:

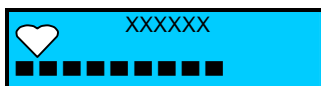
- When the “ Continuous” function is enabled automatically is disabled the “ Shift “ function.
- If you want to stop the automatic continuous cycles, press the same selected button.
- This function is not enabled for the decaffeinated cycle.
- This function is not enabled for self machine, self machine with credit card, self machine with coin mechanism, and for self with credit


DECAFFEINATED CYCLE

This function is activated by opening the decaffeinated coffee door, and the display shows :



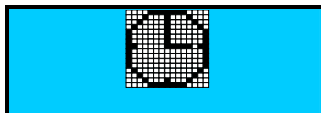
- pour in the powdered coffee
- close the door
- Press the desired dose key and the display shows :



Where  indicates that the selected dose will be dispensed without the activation of the grinders.
The cursor indicates the amount of drink being dispensed.

WARNING:

- If the decaffeinated door is not closed, or if the dose button is not selected, the machine will automatically cancel this function after 20". The coffee group will carry out a cleaning cycle of the brewing chamber, the display shows:



- The Decaffeinated function is not enabled for self machine, for self machine with credit card, for self machine with coin mechanism, and for self with credit card + coin mechanism.
- The Decaffeinated function is enabled only in "Dose programming" the parameter "Decaffeinated enabled / disabled" has been programmed enabled.
- This function is not enabled for self machine, self machine with credit card, self machine with coin mechanism, and for self with credit

HOT WATER DISPENSING

Place a cup under the hot water outlet, and press the hot water key dose n°9. Dispensing will be automatically stopped once the programmed dose is over.
The display shows:



The cursor indicates the amount of drink being dispensed.

WARNING:

- Handle the hot water spout with caution because it might cause burns, due to high temperature.
- The hot water message will not be displayed in case another dispensing is being carried out.
- Hot water cannot be dispensed simultaneously with steam.
- Pressing the key N°9 can stop the dose, which is being dispensed.

EXTRA FOAMED MILK FUNCTION

Extra milk function enables to dispense extra foamed milk in the following way:

- Press any milk-based key and keep it pressed, after 2 seconds foamed milk will start being dispensed.
- By releasing the pressed key, dispensing will be stopped.

WARNING:

This function is not enabled for self machine, for self machine with credit card, for self machine with coin mechanism, and for self with credit card + coin mechanism.

STEAM DISPENSING

To warm up drinks (milk, cognac, etc.) do as follows: put the steam nozzle into the drink you want to heat up and then press the key N°10 to start and stop dispensing.

The display shows:

STEAM

WARNING:

- Handle the steam nozzle with caution because it might cause burns, due to high temperature.
- The steam message will not be displayed in case another dispensing is being carried out.
- Steam cannot be dispensed simultaneously with hot water.
- This function is not enabled for self machine, for self machine with credit card, for self machine with coin mechanism, and for self with credit card + coin mechanism.

SYSTEM TEMPERATURE INFORMATION PROCEDURE

To enter the info temperature system environment, proceed as follows:

Remove the smart card from the slit and press the key n° 15, the display shows:

INFO: SYSTEM TEMPERATURE

COFFEE TEMPERATURE XX°C
STEAM TEMPERATURE YY°C

Where:

XX°C indicates the temperature of the coffee boiler in ° Centigrade or ° Fahrenheit

YY°C indicates the temperature of the steam boiler in ° Centigrade or ° Fahrenheit

The system temperatures will be displayed for 5".

ACCESS THE MAIN SETTING MENUS WITH PASSWORD OR SMART-CARD

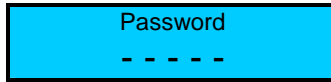
A) ACCESS THE MAIN SETTING MENUS WITH PASSWORD

To enter the programming environments, a password is required which define the access rights to the different environments.

The password must be composed with 5 numbers.

To insert the passwords proceed as follows:

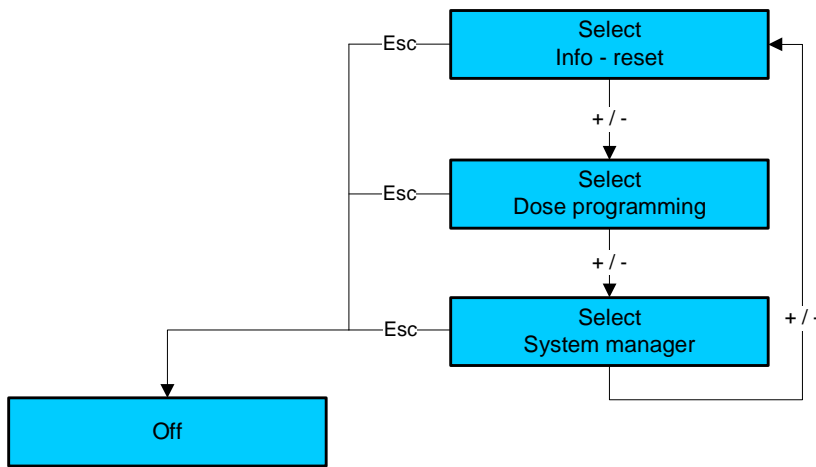
- Turn the machine OFF
- Keep N°12 "Enter" key pressed and at the same time turn on he machine. The display shows:



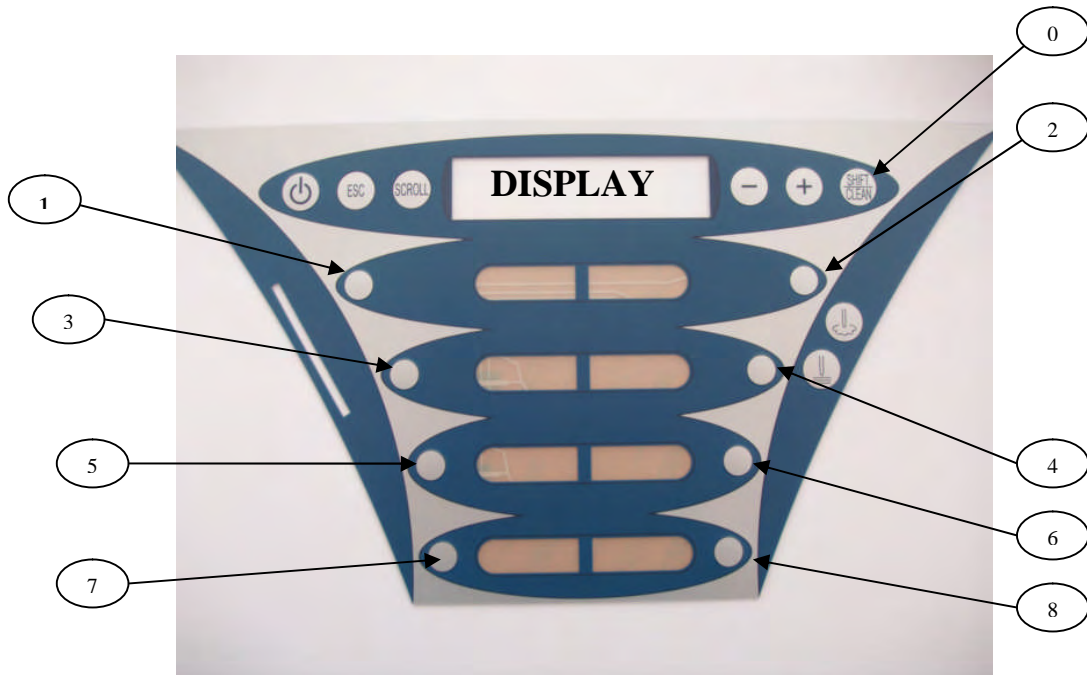
Enter one of the following passwords:

- Waiter _ _ _ _ _ (_ = Clean / Enter)
- Roaster 1 _ _ _ _
- Owner 2 2 2 2 2

After insert the password the display shows the main menu programming environments:



KEY REFERENCE FOR PASSWORD

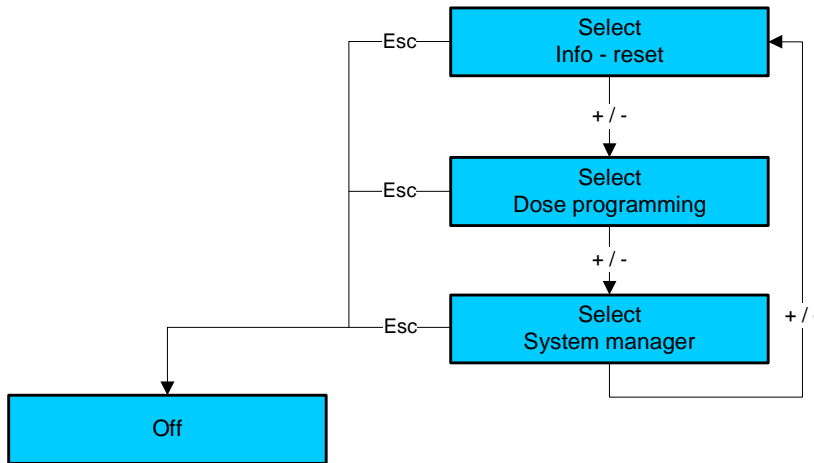


B) ACCESS THE MAIN SETTING MENUS WITH SMART CARD

To enter the programming environments , insert one of the following smart cards into the proper slit with the machine in off: :

- **WAIETR SMART CARD**
- **ROASTER- SMART CARD**
- **OWNER SMART CARD**

Press the N° 12 key , the display shows :



WARNING:

- a) After insert the card, wait at least 2 seconds before removing the card from its proper slit; during this time the display shows a card icon. If the card is removed during this stage, the card might suffer irreparable damages.
- b) If you use a card having a card code different from the machine code, the card can no longer be used after two failures.

PROGRAMMABLE PARAMETERS IN ACCORDING WITH PASSWORD OR SMART CARDS

		Password or Smartcard WAITER	Password or Smartcard ROASTER	Password or Smartcard OWNER
Info - Reset	Dose Data	X*	X*	X
	System Data			
	Dose Slight Adj.	X	X	X
	Dose Programming			
	Calibration			
Machine Parameter	Language			
	M. Configuration			
	Serial			X*
	Ground Numbers	X	X	X
	Milker			
	Milker Rinsing			
	End Delivery			
	Waiting Time			
	Additional Milk			
	Cold Water Mixer			
	Decimal Price			
	Scale Factor			
	Alarm detail			
	Boiler controller			
	Temperature M.U.			
	Boiler Temperature	X*	X*	X*
	Display Temperature			
	Steam Nozzle			
Installation date				
System Clock set up	System Clock			
	YY-MM-DD Day HH:MM	X*	X*	X*
	Clock Display			X
	Auto Start-up			X
	ON - OFF			X
	Day Off			X
Service - Clean/ Rinse	Cleaning time	X	X	X
	Group Cleaning			
<i>Maintenance Set up</i>	Group Rinsing	X	X	X
	Milker Cleaning			
	Milker Rinsing	X	X	
	Installation date			
	Water Filter			
	Machine Service			
	Grinder Cycle			
	Group Cycle			
Change Password	Technician			
	Service			
	Owner			X
	Roaster		X	X
	Waiter			
Set-Up Encoder	M.H. M.E. M.L.			
	Max High Motor Pulse			
	H.M. Stand by Pos Puls			
	H.M. Deliv. Pos Puls			
	Max Low Mot. Puls			
	L.M.Expell Pos Puls			
	L.M. Grind Pos Puls			
Test Actuators	Test Actuators 1			
	Test Actuators 2			
Boiler Draining	Boiler Draining			
Alarm History	Alarm History	X*	X*	X*
File Manager	Download			
	Load			
Update Software	Download			
	Load			
Preset Config. Data	Preset Configuration Data			

Where X indicate the available program and X* indicate the partial available program

N.B. The System Clock set up is available only with the optional clock and if the System Clock is set in ON position by the Technician

SYSTEM CLOCK PROGRAMMING

N:B: The System Clock parameters are available only with the system clock enable.

To enter in System clock programming, proceed as follows.

WITH SMART-CARD: Insert the Owner or Waiter smart card into the proper slit and keep pressed the key N°12 (Enter) .

WITH PASSWORD : Digit the Owner or Waiter password .

The display shows :

Select
Info reset

Press the key N° 14 (-), the display show:

Select
System Manager

Press the keys N°12 (Clean/Enter), the display shows:

System Manager
Machine Parameter

Press the key N° 13 (+), the display show:

System Manager
System Clock programming

Press the keys N°12 (Clean/Enter), the display shows:

System Clock programming
HH:MM
- - / - -

Press the keys N° 13(-) and N° 14 (+) to change the time (HH : MM).

Press the key N°12 (Clean/Enter) to confirm the modification carried out.

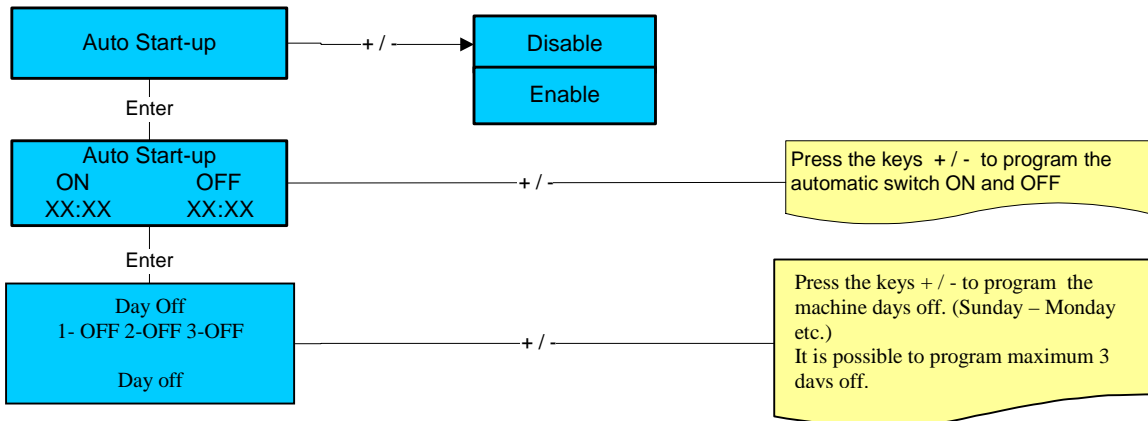
CLOCK DISPLAY

System Clock programming
Clock Display
Disable

Press the keys N° 14 (-) and N° 13 (+) to display the clock (ENABLE) or to do not display it (DISABLE)

Press the key N°12 (Clean/Enter) to confirm the modification carried out.

AUTO START-UP



AUTOMATIC RINSING CYCLE

1) Automatic group rinsing.

A timed rinsing cycle of the brewing chamber is automatically carried out 15 minutes after the last dispensed drink and every 180 minutes when the machine is in stand-by mode.

The display shows:

GROUP AUTOCLEANING

PLEASE NOTE:

5 seconds before the starting of the rinse cycle the machine will BEEP !.

2) Automatic milk frother rinsing.

This is a rinsing cycle of the milk frother , which is carried out by the machine automatically 10 minutes after the last milk based selection and every 180 minutes when the machine is in stand-by mode.

The display shows:

MILKER CLEANING

PLEASE NOTE:

5 seconds before the starting of the rinse cycle the machine will BEEP !.

CLEANING OF GROUP- MILKER AND EMPTYING BIN MESSAGES DISPLAYED AT PRE-SET TIME OR N° OF CYCLES

During the programming stage it is possible to set the time or a number of cycles to show on display when to carry out the group cleaning , milker cleaning and finally when to empty the coffee ground bin:

The display shows:.

SELECT DRINK
PLEASE CLEAN

Carry out cleaning procedures as shown in the following paragraphs.

WARNING:

A) if cleaning is not carried out when the messages are displayed, when the time out set during the programming stage elapses, dispensing will be disabled and the display will show:

STOP
PLEASE CLEAN

Carry out cleaning to enable dispensing.

B) if the group or milker cleaning is carried out before the set time and no other dispensing is carried out, the previously set cleaning of the rinsed component will be cancelled.

C) in case of power failure , when the machine is turned back on , the display shows:

SELECT DRINK

If you press a drink selection button , and the cleaning cycle were not carried out the display shows :

SELECT DRINK
PLEASE CLEAN

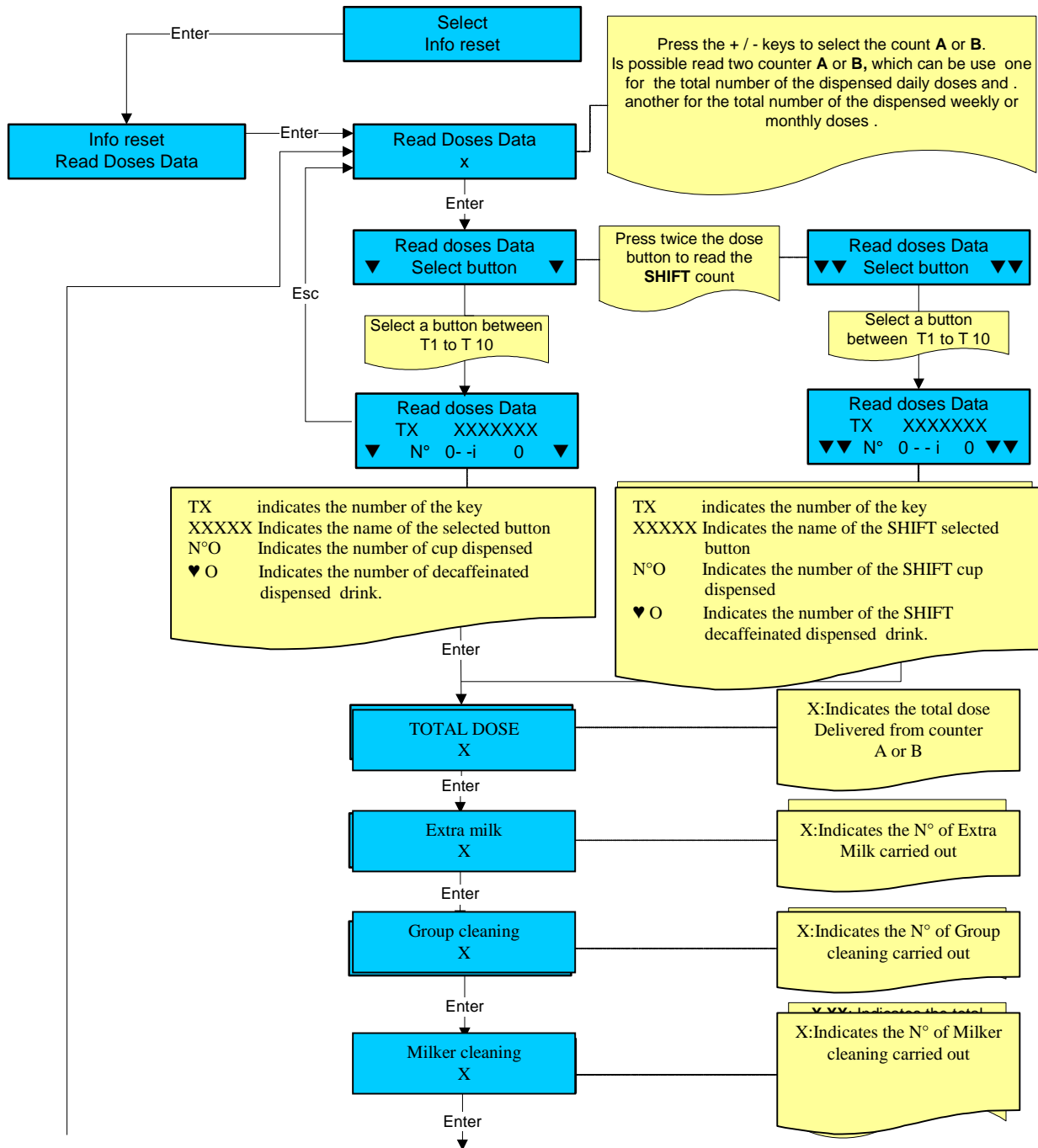
READ AND RESET DATA

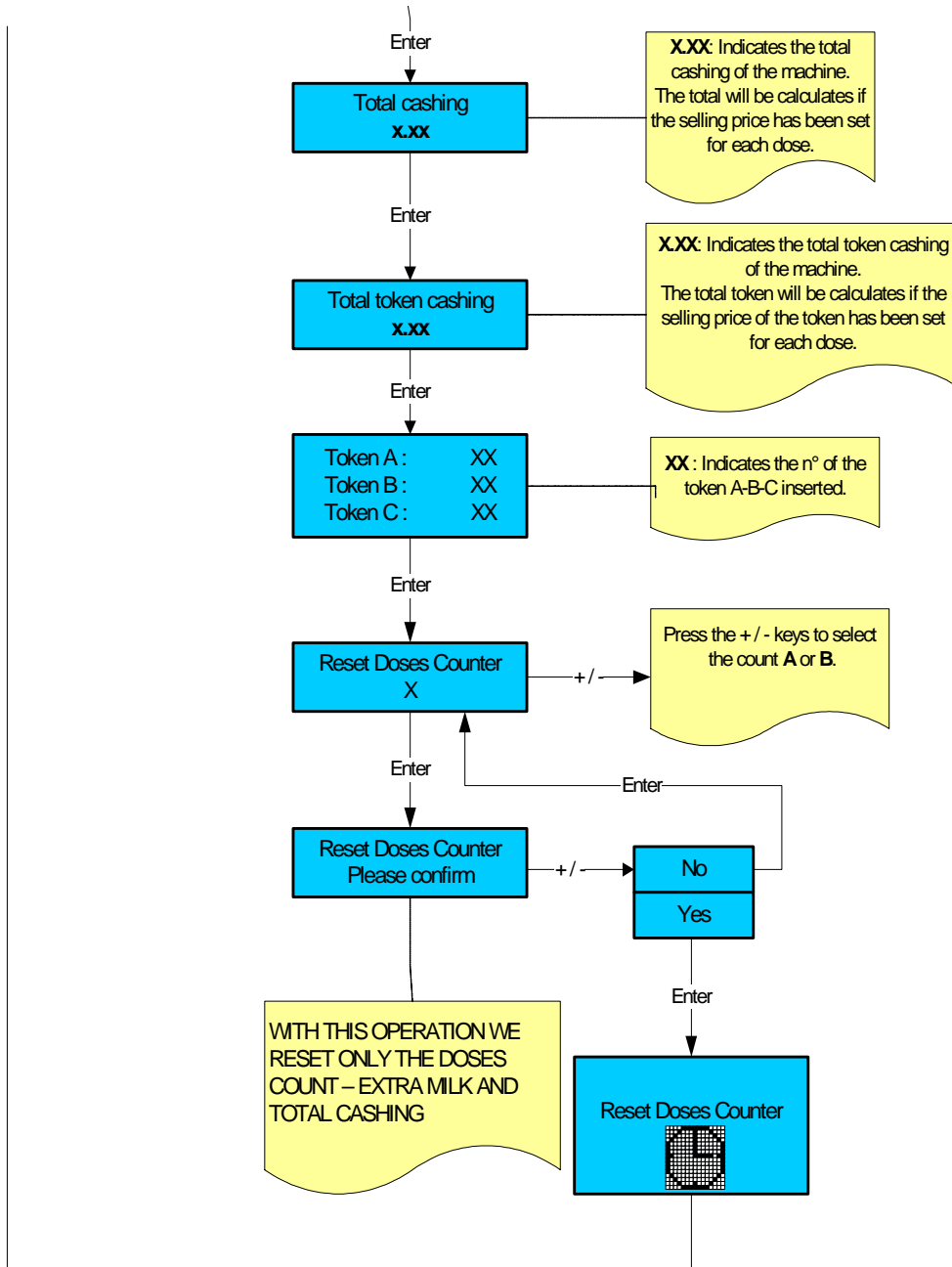
To enter in Read and reset data , proceed as follows.

WITH SMART-CARD: Insert the Owner smart card into the proper slit and with machine in OFF keep pressed the key N°12 (Enter) .

WITH PASSWORD : Digit the Owner password .

The display shows :♥





DOSES SLIGHT ADJUST PROGRAMMING

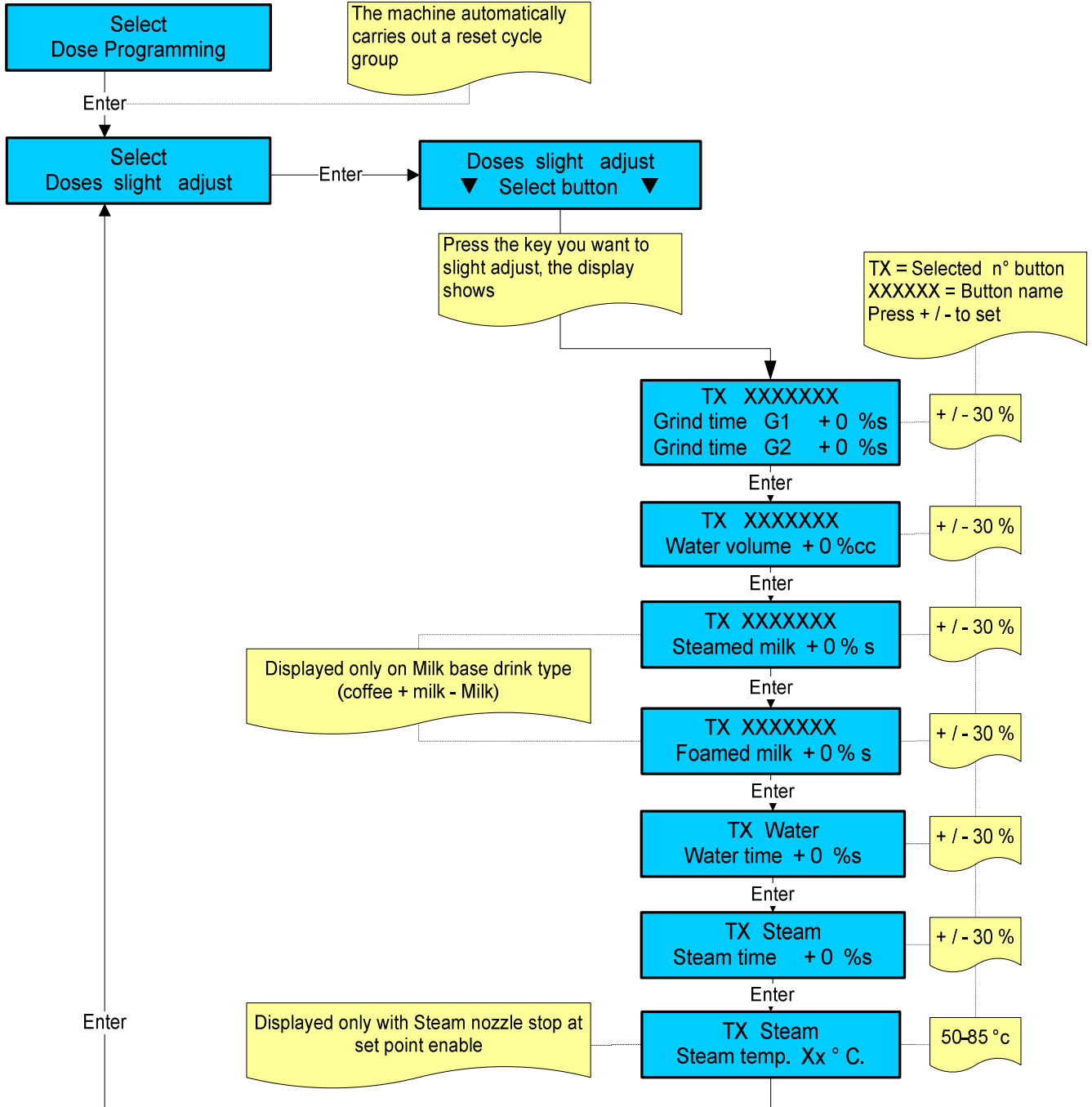
PLEASE NOTE : TO ACCESS TO THE DOSES SLIGHT ADJUST THE MACHINE MUST BE AT THE SET-UP TEMPERATURE.

To enter in doses slight adjust programming mode, proceed as follows.

WITH SMART-CARD: Insert the Owner or Roaster smart card into the proper slit and with the machine in OFF keep pressed the Key N° 12 (Enter).

WITH PASSWORD: Digit the Owner or Roaster password:

The display shows:



SET DOSES PRICE PROGRAMMING

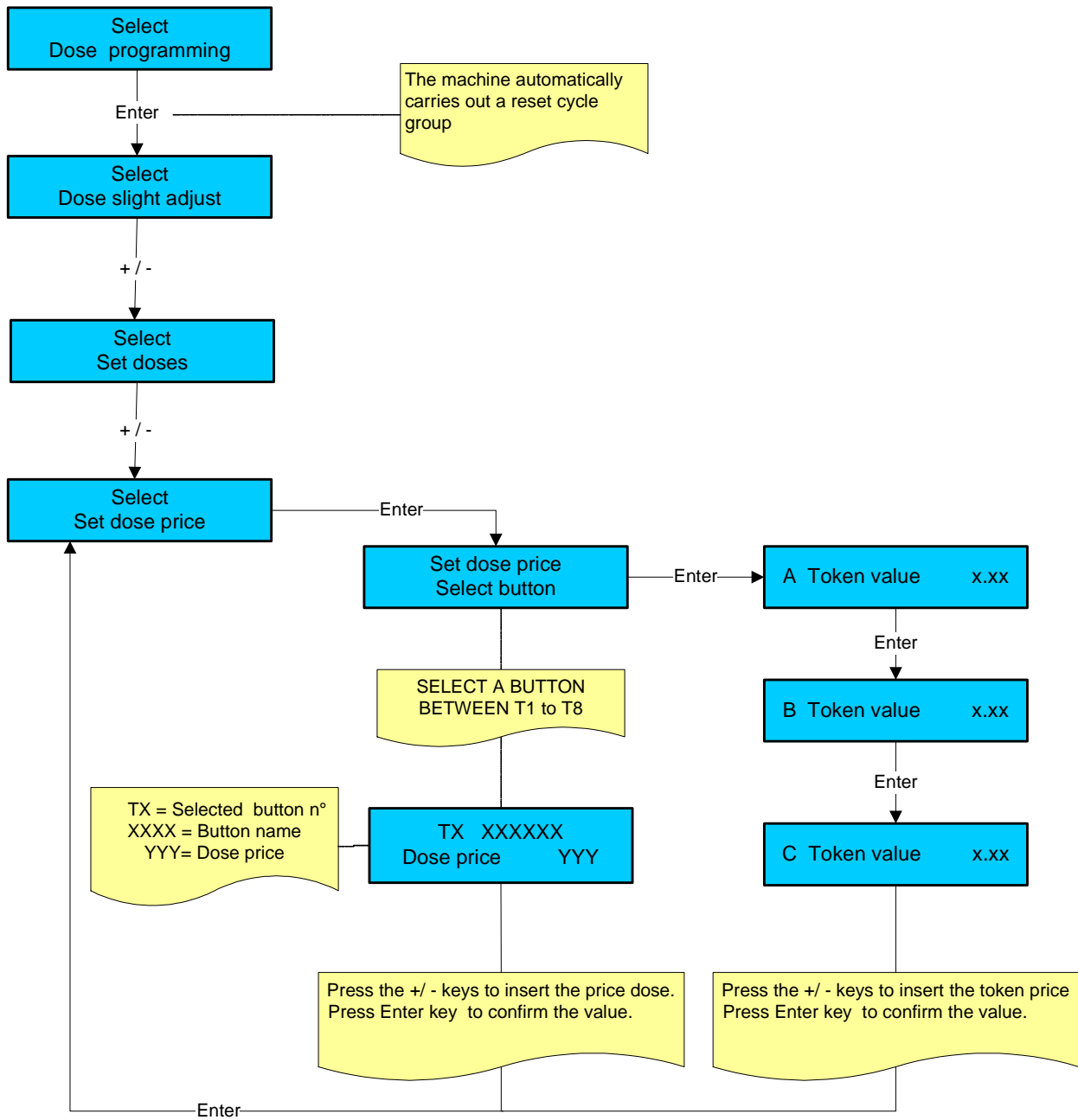
PLEASE NOTE : TO ACCESS TO THE SET DOSES PRICE THE MACHINE MUST BE AT THE SET-UP TEMPERATURE.

To enter in Set doses price programming mode, proceed as follows.

WITH SMART-CARD: Insert the Owner smart card into the proper slit and with the machine in OFF keep pressed the Key N° 12 (Enter).

WITH PASSWORD: Digit the Owner password.

The display shows :



SHIFT DOSES SLIGHT ADJUST PROGRAMMING

PLEASE NOTE :

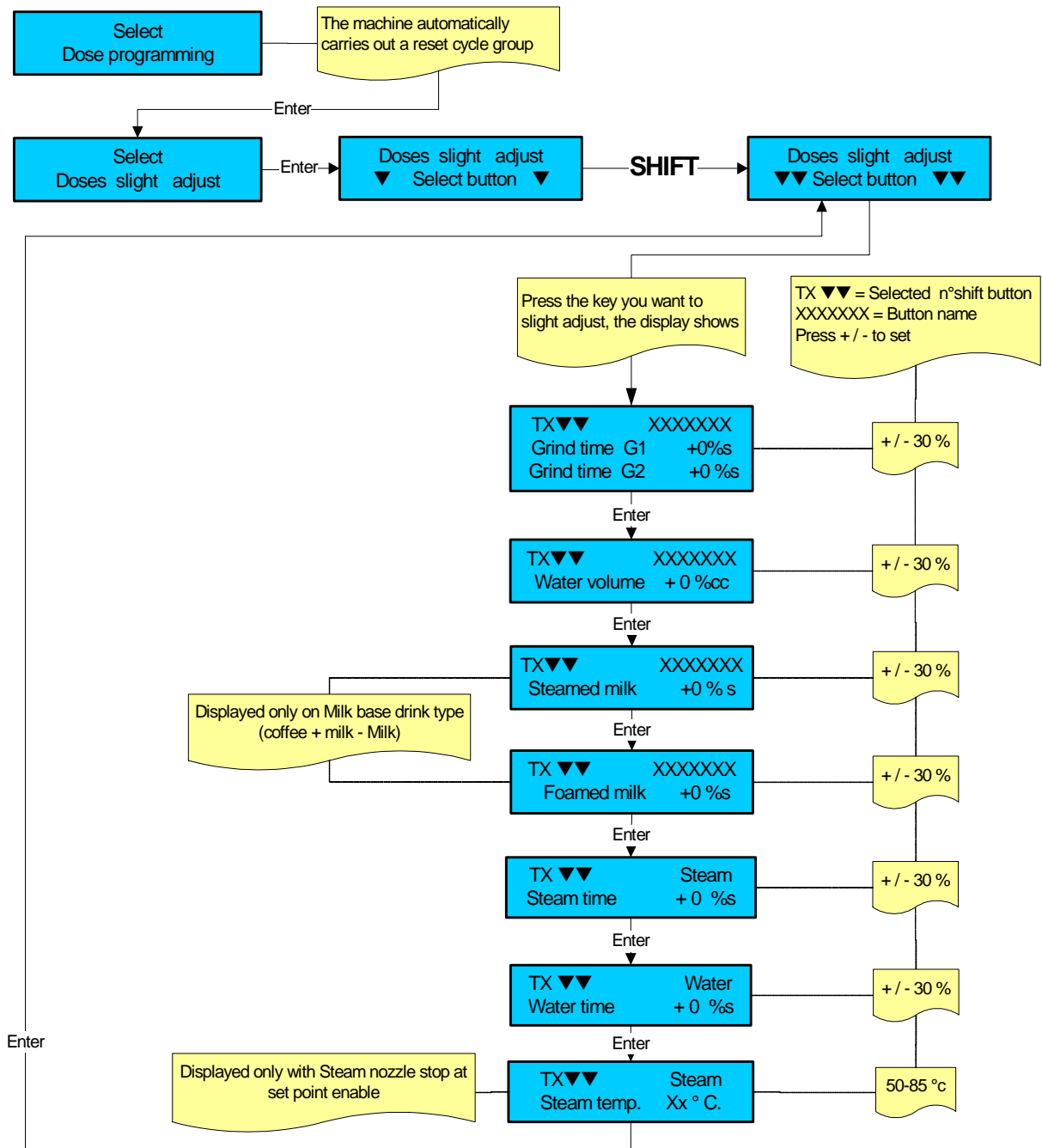
- TO ACCESS TO THE SHIFT DOSES SLIGHT ADJUST THE MACHINE MUST BE AT THE SET-UP TEMPERATURE.
- THE SHIFT DOSES PROGRAMMING IS ENABLE FOR STANDARD AND WAITERS CONFIGURATION MACHINES ONLY.

By means of the Shift button, is possible to adjust other 10 doses for a total number of 20 drinks .
To enter in Shift doses slight adjust programming mode, proceed as follows.

WITH SMART-CARD: Insert the Owner or Roaster smart card into the proper slit and with the machine in OFF keep pressed the Key N° 12 (Enter).

WITH PASSWORD: Digit the Owner or Roaster password.

The display shows :



SET SHIFT DOSES PRICE PROGRAMMING

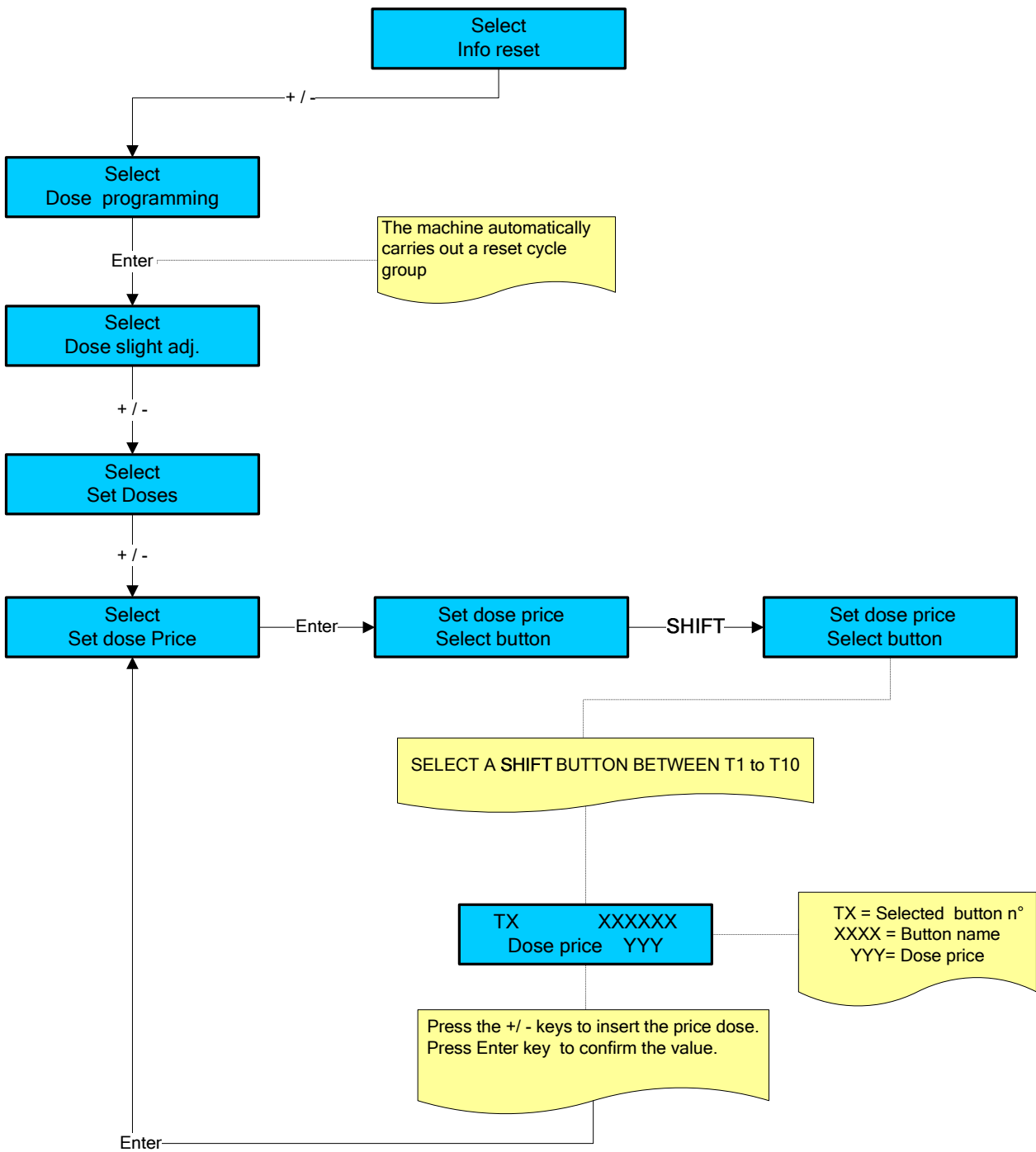
PLEASE NOTE : TO ACCESS TO THE SET SHIFT DOSES PRICE THE MACHINE MUST BE AT THE SET-UP TEMPERATURE.

To enter in Set shift doses price programming mode, proceed as follows.

WITH SMART-CARD: Insert the Owner smart card into the proper slit and with machine in OFF keep pressed the key N°12 (Enter) .

WITH PASSWORD : Digit the Owner password .

The display shows :



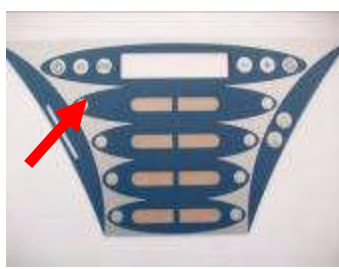
AUTOMATIC CLEANING OF COFFEE GROUP

1▶ Keep (N° “12” key) pressed for five seconds



SELECT CLEANING
▼ GROUP

2▶ Press “1” key to start the cleaning cycle



GROUP CLEANING

3▶ Open the machine door



SELECT CLEANING
OPEN FRONT PANEL AND CLEAN

4▶ Clean the group from any coffee residues



SELECT CLEANING
OPEN FRONT PANEL AND CLEAN

5▶ Clean the front door from any coffee residus



SELECT CLEANING
OPEN FRONT PANEL AND CLEAN

6▶ Clean the group filters by means of a cloth and close the front door.



SELECT CLEANING
OPEN FRONT PANEL AND CLEAN

7▶ Insert the detergent tablet into the decaffeinated door and close the cover. For self version insert the detergent tablet into the brewing chamber.



SELECT CLEANING
INSERT CLEANSER

8▶ Wait until the cleaning cycle is over and repeat it again by using only water



GROUP CLEANING



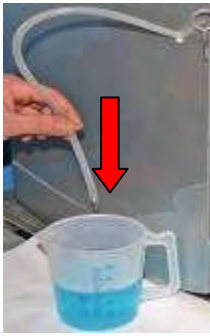



9▶ At the end of the cleaning cycle rinse the drip tray in a sink.



PLEASE NOTE:

- a) The cleaning cycle is disabled after a time out of 30 seconds in any stage before inserting the detergent, except when the machine door is open.
- b) The cleaning cycle cannot be interrupted after the detergent has been inserted.
- c) If the cleaning cycle is interrupted by any type of operation unrelated to the procedure, when the machine functioning is set back again, the cleaning cycle will be automatically activated.

AUTOMATIC CLEANING OF MILK FROTHER

<p>1 ▶ Take the milk feeding tube out of the milk box</p>  <div style="background-color: #00aaff; color: white; text-align: center; padding: 5px; margin-top: 5px;">SELECT DRINK</div>	<p>2 ▶ Prepare a solution of water and detergent (q.ty 200 ml) by following the instructions indicated in the product label</p>  <div style="background-color: #00aaff; color: white; text-align: center; padding: 5px; margin-top: 5px;">SELECT DRINK</div>	<p>3 ▶ Insert the milk feeding tube into a container with detergent</p>  <div style="background-color: #00aaff; color: white; text-align: center; padding: 5px; margin-top: 5px;">SELECT DRINK</div>
<p>4 ▶ Keep pressed N° “12” key for five seconds</p>  <div style="background-color: #00aaff; color: white; text-align: center; padding: 5px; margin-top: 5px;">SELECT CLEANING MILK ER ▼</div>	<p>5 ▶ Press “2” key to start the cleaning cycle</p>  <div style="background-color: #00aaff; color: white; text-align: center; padding: 5px; margin-top: 5px;">SELECT CLEANING MILKER ▼</div>	<p>6 ▶ Wait until the cleaning cycle is over and repeat it again by using only water</p>  <div style="background-color: #00aaff; color: white; text-align: center; padding: 5px; margin-top: 5px;">MILKER CLEANING</div>

PLEASE NOTE: at the end of the washing cycle the display will show:

MILKER CLEANING
Repeat clean by using only water
Press T2 clean key

- Put the milk infeed pipe into a glass of cold water
- Press the key “ T2 “, the cappuccino maker will start dispensing another cleaning cycle only with water.

PLEASE NOTE:

- a) The cleaning cycle cannot be interrupted.
- b) If the washing cycle is interrupted by any type of operation unrelated to the cleaning cycle, when the machine functioning is set back again, the washing cycle will automatically be activated.

PLEASE NOTE:

ONLY IN CASE THAT AFTER THE AUTOMATIC CLEANING PROCESS THE MILK FROTHER IS NOT PROPERLY DISPENSING, CARRY OUT A MANUAL CLEANING (SEE THE FOLLOWING PAGE).

FOR CLEANING OPERATIONS , LA SAN MARCO STRONGLY RECOMMEND TO USE THE FOLLOWING DETERGENT PRODUCTS:

CLEANING TABLETS

100 Tablets (1.2gr.) Code N° 06.00133



MILK FROTHER CLEANER

1 Litre per 60 cleaning Code N° 06.00136



MANUAL CLEANING OF MILK FROTHER AND COFFEE OUTLET

1 ▶ Remove the screw that fix the cover of the coffee outlet



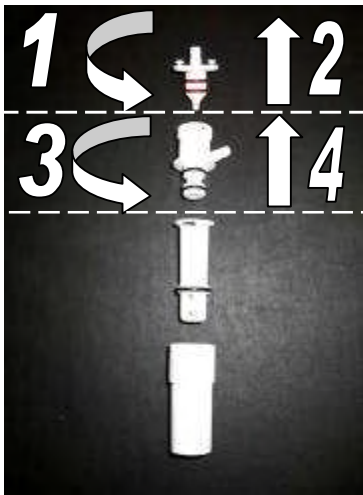
2 ▶ Remove the cover from the coffee outlet



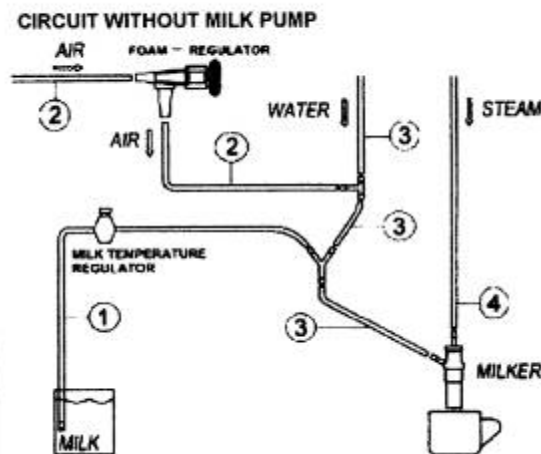
3 ▶ Remove the milk frother and the coffee outlet from its holder



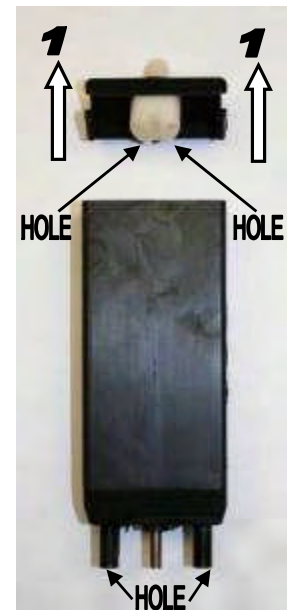
4 ▶ Disassemble the milk frother in all its parts (first by turning and then by pulling as shown in the picture) and wash it either by hand or in a dishwasher. Make sure that all the holes are free from milk residues and also to use provided tools to clean the holes. Check also that the O-rings are in good condition



5 ▶ Reassemble the milk frother as indicated in the assembling drawing



6 ▶ Disassemble the coffee outlet (1) and wash it by hand or in a dishwasher. Make sure that all the holes are free from any coffee residues, and also to use provided tools to clean the holes.



PLEASE NOTE:

A ▶ **Foam setting**

The milk frother is equipped with a FOAM REGULATOR which sets the quantity of air needed for frothing milk. Turn the ring nut clockwise for thicker foam (small bubbles), or turn it anticlockwise for more voluminous foam (large bubbles) (see diagram - circuit without pump).

B ▶ **Milk temperature setting**

The milk frother is equipped with a MILK TEMPERATURE REGULATOR which reduces the quantity of sucked milk. Turn the ring nut clockwise to increase temperature, or turn it anticlockwise to decrease temperature (see diagram – circuit without pump).

OTHER RECOMMENDED CLEANING

HOPPER CLEANING

Once a month clean the hopper by means of a cloth and approved food detergent.



GROUND BIN CLEANING

Once a day rinse the ground bin in a sink.



MACHINE FUNCTIONS MESSAGES

1) Full grounds bin alarm.

Grounds Bin Full

Cause: grounds bin full. The number of coffee grounds in the bin has reached the value set in the programming phase.

Result: shutdown of the coffee based dispensing keys.

Solution: remove the grounds bin and empty it, replace the bin when the display shows:

Grounds bin
Open

2) Alarm for machine door position.

Off
Open Door

Cause: open door, the reed does not touch the magnet on the door.

Result: shutdown of the machine's functions.

Solution: close the door.

3) Clean group or milk frother alarm.

Select drink
Please Clean

Solution: carry out an automatic cleaning group or milk frother.

PLEASE NOTE:

- A) the message is displayed without disabling deliveries.
- B) If the Cleaning time is enabled, at the end of the cleanings the display will show also the message "Ground bin full".

4) Clean group and milk frother alarm. with stop deliveries

Stop
Please Clean

Solution: carry out an automatic cleaning group, milk frother and empty the ground bin.

PLEASE NOTE:

- A) this message is displayed only when the "Stop drink select" time out of the Cleaning time has elapsed.
- B) the message is displayed and the deliveries are disabled.

5) Alarm of too much coffee in the brewing chamber.

Too much coffee

Cause: there is too much coffee in the brewing chamber, or the piston o-ring is dirty and the piston cannot enter into the brewing chamber correctly.

Solution: carry out an automatic cleaning of the group

6) Message of empty hopper

The display will shows the following message:

Empty Hopper

Cause: there is not coffee into the hopper and therefore into the brewing chamber.

Result: the machine interrupts the coffee-based dispensing selections.

Solution: press the (Clean/Deca) N°12 key to reset the alarm and put coffee into the hopper.

7) Message of missing decaffeinated

The display will shows the following message:

Missing Decaf.

Cause: the operator missing out coffee into the decaffeinated door and therefore into the brewing chamber.

Result: the machine interrupts the decaffeinated dispensing selections.

Solution: press the (Clean/Deca) N°12 key to reset the alarm and put decaffeinated into the decaf door.

PLEASE NOTE:

In case of other message, please, contact a La San Marco Spa. Authorised Service Centre

8) Message of coffee boiler heating temperature not reached.

The display will shows the following message :

Coffee not ready.

Cause: the coffee boiler has not reached the set up heating temperature

Result: shut down of coffee based dispensing selections.

Solution: wait until the boiler has reached the set up heating temperature.

9) Message of steam boiler heating temperature not reached.

The display will shows the following message:

Steam not ready

Cause: the steam boiler has not reached the set up heating temperature

Result: shut down of milk based dispensing, hot water and steam dispensing selections.

Solution: wait until the boiler has reached the set up heating temperature.

10) Message of low change. (Only for Self with coin box configuration)

The display will show the following message:

Low of change

Cause: the number of the coin into the coin box tube is below the minimum level .

Result: the machine can not give change.

Solution: put coins into the tubes of the coin box

The LA SAN MARCO S.p.A. product you have purchased is subject to Directive 2002/96/EC of the European Parliament and the Council of the European Union on waste electrical and electronic equipment (WEEE) and, in jurisdictions adopting that Directive, is marked as being put on the market after August 13, 2005, and should not be disposed of as unsorted municipal waste. For further information please contact LA SAN MARCO S.p.A.



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TABLE REVISION		
CODE	DATE	NOTE
LB.00182.20.GB	14/03/2008	Software ver. 2.04.a