AFTER-SALES SERVICE Hot & Cold

SERVICE MANUAL

PROGRAMMING MANUAL

"COLIBRÌ"

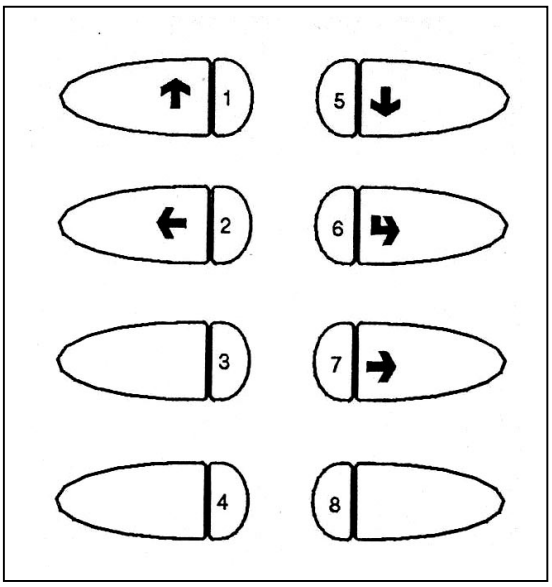
THE CONTENTS OF THIS DOCUMENT ARE INTENDED FOR NECTA'S AFTER SALES PERSONNEL

INTRODUCTION

The programming instructions described below are used to change the product dose settings, set the sales prices, set any discounts, move through the operating modes, test the failures indicated and read the audit data.

1 - PROGRAMMING PUSH-BUTTON FUNCTIONS

The selection push-button panel is used also for programming operations, and in this mode it takes on the following functions:



1- ↑ Previous function / increase data (+1)
2- ← Exit function / cancel change
3- Free
4- Free
5- ↓ Next function / decrease data
6- ↵ Confirm function / confirm data
7- → Change data
8- Reset failures

2 - OPERATING MODES

The machine can be in three different operating modes, and according to the mode the vending machine push-buttons take on different functions:

2.1 NORMAL OPERATING MODE (VENDING)

2.2 MAINTENANCE

2.3 PROGRAMMING MODE

2.1 NORMAL OPERATING MODE (VENDING)

When switching the machine on, the display indicates the message START for a few seconds, then the vending machine is set to vending mode. The display indicates the message **"Ready for use"**

2.2 MAINTENANCE

With the vending machine in normal operating mode, press once the programming button located on the inside of the door, on the push-button board, and the vending machine will be set to **"maintenance"** mode.

The display indicates the message:

"Maintenance"	The message will be displayed for approx 2 seconds and then the first menu item
"Statistics"	From this menu the following data can be managed by pressing button **6** "↳"

Displaying the Statistics		Press button **6** "↳" again to display the stored data in a sequence
	1 – Counters by single selection 2 – Counters by price 3 – Counters by coin type 4 – Counters of total cashed 5 – Counters of failures	
Print Statistics		Press button **6** " ↳ " to display
	Confirm ? (blinking)	Connect the printer and press **6** " ↳ " to start printing
Reset statistics		Press button **6** " ↳ " to display
	Confirm ? (blinking)	Press button **6** " ↳ " to display
	Working	Statistics have been reset
Total counters		Press button **6** " ↳ " to display the counter reading or the settings for the display at start-up.

"Statistics"	Scroll through the menu using buttons **1** and **5** "↑ and ↓" to highlight the following functions:

"Complete Sel."	Test dispensing including cup, sugar and stirrer
"Powder only"	Dispensing powder only
"Water only"	Dispensing water only
"No Accessories"	Test dispensing without cup, sugar and stirrer

*With the menu on the display, press button "↳" to cause the selection buttons to resume their original function for **seven** seconds, permitting the test selections provided in each function*

"Special Functions"	To access the functions in this menu, the buttons will take on one of the following functions.

Button 1 "↑" Previous function
Button 2 - Grind and release coffee
Button 3 - Dispense sugar
Button 4 - Not used
Button 5 "↓" Next function
Button 6 - Rotate coffee unit
Button 7 - Release cup
Button 8 - Not used

"Ready for use"	Switch the vending machine off and then on again to return to normal operating mode

2.3 PROGRAMMING

With the vending machine in normal operating mode, press twice the programming button located on the inside of the door, on the push-button board, and the vending machine will be set to **"Programming"** mode.

Programming The message will be displayed for approx 2 seconds and then the first menu item

Failure list Scroll through the menu using buttons "**1** ↑ and **5** ↓" to display the following items in a sequence

↓ ↑

- **Water doses**
- **Powder doses**
- **Set Prices**
- **Set Prices / button**
- **Basic unit / DP**
- **Payment systems**
- **Initialising**
- **Machine Code**
- **Machine configuration**
- **Selection Counters**
- **Promotional Message**
- **Language**
- **Whipping time**
- **Password**

After all items have been displayed the initial menu is presented

Failure list

While the programming menu is displayed, do as follows to access the sub-menus:

↓ ↑

Failure list Press button **6** "↳" to display the description of the failure and press in succession button **5** ↓ to display the description of the next failures (if present)
Press button **8** to reset the failures (only as an indication to the SW, in any case concrete corrective actions must be taken)

Air-break failure	The vending machine locks if the Air-Break microswitch is not activated after 7 selections
Boiler failure	The vending machine locks if after 10 sec (espresso) or after 20 sec (instant) the temperature is not OK
Coin mech. failure	The machine locks if serial communication fails for more than 30 sec
RAM data	RAM data deleted or invalid - initialising is necessary
Water failure	The machine locks if, with the solenoid valve energised, the Air-Break microswitch is not activated within one minute.
No cups	The machine locks if after a complete cup column rotation the microswitch is not activated
Water leak	If the water inlet solenoid valve is activated without making any selections
Volumetric counter	Failed computation of the volumetric counter within a max time
Coffee unit	If the position microswitch is not activated within a max time
No coffee	If the coffee volumetric doser microswitch is not activated within 15 sec
Coffee failure	If the doser microswitch is not deactivated after releasing ground coffee
Cup release failure	If the microswitch is not activated after releasing

Water doses Press button **6** "↳" to access the list of dose codes
Scroll through the list using buttons "**1** ↑ and **5** ↓" to access the desired item
After the desired item is shown press button **7** ➔ causing the display to blink, then the value can be changed using buttons **1** and **5**
The value is indicated as **CV** (wheel pulses)

- **A1**
- **A2**
- **....**

Powder doses — Press button **6** "↳" to access the list of dose codes

Scroll through the list using buttons "**1** ↑ and **5** ↓" to access the desired item

A1
A2

After the desired item is shown press button **7** → causing the display to blink, then the value can be changed using buttons **1** and **5**
The value is indicated as **DS** (tenths of a second)

Set Prices — Press button **6** "↳" to access the list of prices

Scroll through the list using buttons "**1** ↑ and **5** ↓" to access the desired item

Price No 1
-.-.-
Price No 8

After the desired item is shown press button **7** → causing the display to blink, then the value can be changed using buttons **1** and **5**
The value is indicated as **No** of basic units (coins)

Set Prices / button — Press button **6** "↳" to access the list combinations per button

Scroll through the list using buttons "**1** ↑ and **5** ↓" to access the desired item

Button 1 = ON
Button 1 = OFF
Button 1 = ON
Price No xxx
Button 8 = ON
Button 8 =
Button 1 = ON
Price No xxx

After the desired item is shown press button **7** → causing the display to blink, then the selection status (enabled or disabled) can be changed using buttons **1** and **5**
Press button **6** "↳" again to highlight the No of the concerned price
Press button **7** →**,** the value will start blinking and can be changed using buttons **1** and **5**
Repeat the operation for all buttons 1 to 8

↓ ↑

Basic unit / DP — Press button **6** " ↳ " to display the current value of the basic unit and

DP = Decimal point

Basic unit xxx.x
Basic unit xx.xx
Basic unit xx.xx
Basic unit x.xxx

Use buttons "**1** ↑ and **5** ↓" to display alternating the basic unit and the DP
Press button **7** →**,** the display will start blinking and the values can be changed using buttons "**1** ↑ and **5** ↓"

Payment systems — Press button **6** " ↳ " to display the payment system to be set as default

As standard feature a validator / totalizator is provided, for other systems / protocols specific kits must be used

Validator	Press button **6** " ↳ " to display the payment system to be installed
12 / 24 V **power supply**	Press button **6** "↳" again to highlight the operating voltage (12/24V)
Validator lines A / F	Press button **5** ↓ to highlight the validator line and press button **6** "↳" to access the line value (blinking) , press **7** → to change it
Credit ON / OFF	Press button **6** "↳" to select whether the credit is to remain available (for three minutes) or be returned - "**1** ↑ ON and **5** ↓" OFF
Executive std.	To activate this menu press button **6** "↳" (only with Kit)
Price holding	To activate this menu press button **6** "↳" (only with Kit)
ECS	To activate this menu press button **6** "↳" (only with Kit)
URW3	To activate this menu press button **6** "↳" (only with Kit)

The following menu "initialising" permits all data to be reset to factory default settings
It must be used in the event of data (RAM) errors or of replacing the EPROM: After initialising all data that were changed from the default settings must be reprogrammed.

Initialising	Press button **6** " ↳ " to display the message "Confirm?" "
Confirm ?	Press button **6** "↳" again to display the message "Machine type C / I"
Machine Type C / I	Use buttons **1** ↑ and **5** ↓" to select C (espresso) or I (instant)
Country	Press button **6** "↳" to confirm and **1** ↑ and **5** ↓" to scroll the countries
Name of country	Press button **6** " ↳ " to select the Country among the available ones, then confirm
Layout	Press button **6** "↳" to access the layout menu, using buttons **1** ↑ and **5** ↓"
Layout N.	select among the displayed ones and with **7** → confirm the layout
Tank on/ off	Press button **6** "↳" to access the "tank" menu, using buttons **1** ↑ and **5** ↓"
Working	select on / off (ON = water supply from the tank, OFF = water supply from the mains) with button **6** "↳" confirm and the display indicates the message **"Working"**

Machine Code	Press button **6** " ↳ " to display the current code, then press button **7** → and the first digit starts blinking
Cod =0 000	and with buttons **1** ↑ and **5** ↓" set the desired digit, with button **6** "↳"confirm and go to the second digit, and so on to the end of the digits

Config. Machine	Press button **6** " ↳ " to display the 1st sub-menu **"Tank"**
Tank ON / OFF	Press button **7** → and the message "Tank ON / OFF" starts blinking, with button 2 ← exit
Disp. cup	Use buttons "**1** ↑ and **5** ↓" to go to the next sub-menu and proceed as above
Disp. stirrer	ON or OFF is activated according to the selection
Heating mixers	In this case, proceeding as above, activate mixer heating with a pre-selection (water only) Dispensing water only

From the following menu a pre-set maximum number of espresso coffee selections can be entered, for the purpose of preventing the liquid waste container from overflowing, as it is of small size (this is to be activate only if not using a support cabinet)

Selection Counters	Press button **6** " ↳ " to display the 1st sub-menu **"Password"**
Password ####	Enter the PW and press button **6** "↳" to access the next sub-menu
Espresso coffee	Press button **6** "↳" again to access the menu for setting the max N.
P=nnnn A= nnnn	press button **6** "↳" and the set value start blinking, then using buttons "**1** ↑ and **5** ↓" set the values.
P=nnnn A= nnnn	
↓ ↑	**Repeat the same operations for sub-menu "Instant"**

Promotional Message Press button **6** " ↳ " to highlight the message "Message ON / OFF"

Message ON / OFF
Text to be change or to be entered

ON = enabled, **OFF** = disabled**,** with buttons "**1** ↑ and **5** ↓" select the desired option

If enabled, press button **6** "↳" and the first character will start blinking, to be changed using the selection buttons, which in this menu take on the following meaning

Button 1 - Previous character
Button 2 - Next character
Button 3 - Upper / lower case
Button 4 – A B C D E F G H I
Button 5 – J K L M N O P Q R
Button 6 – S T U V W Y Z
Button 7 – 0 1 2 3 4 5 6 7 8 9
Button 8 - ! " " # $ % , - . / * +

The characters are displayed alternated, pressing the button sequentially and are stored by pressing button 2 ←

Language Press button **6** "↳" to access the menu and display the first available language

Italian
French
German
Spanish
Flemish
Portuguese
Swedish
Danish
Finnish
Greek

Press button **7** → and the selected language starts blinking, press button **6** "↳" to confirm To display the other available languages press buttons "**1** ↑ and **5** ↓" Proceed as above to select and confirm

Whipping time *This menu is used to set the whipping time for Instant coffee selections*

Whipping t/s xxx
T / S x x x

Press button **7** → to access the function, press button **7** → and the default time starts blinking, using buttons "**1** ↑ e **5** ↓" change such time Press button **6** " ↳ " to confirm the change

Password *This menu is used to activate or deactivate the request for the factory-set password*

Password YES/ NO

Press button **6** " ↳ " and the message **"password ON / OFF"** starts blinking Press buttons "**1** ↑ and **5** ↓" to select the option and confirm with button **6** "↳" (the factory setting CANNOT be changed)

↓ ↑

Failure list After all items have been displayed the initial menu is presented