

Advanced Operation Instructions for washers COIN CONTROL

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COIN Advanced

Model	From serial #
High Speed	
HS-6008	2.080.884
HS-6013	2.110.200
HS-6017	2.120.320
EH020	1.430.001
EH030	1.460.021
EH040	1.470.060
Medium Speed	
MS-610	2.020.001
MS-613	2.030.001
MS-617	2.040.001
MS-623	2.050.001
EM025	1.370.001
EM030	1.380.001
EM040	1.390.001
EM055	1.400.001

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NOTE

For the contents of **SAFETY INSTRUCTIONS**, chapters **1. DESCRIPTION**, **2. OPERATING INSTRUCTIONS**, section **3.3** of chapter **3. MODIFICATION MODE**, **5. TROUBLESHOOTING**, **6. MAINTENANCE** and **7. SERVICE REMOVAL**, see **Operation Instructions for COIN CONTROL**, supplied with the washer or request it to the manufacturer: girbau@girbau.es, (USA/CANADA: info@cont-girbau.com)

3. MODIFICATION MODE.

The **MODIFICATION** mode offers some menus, which allow the modification of programs contents, the price management of the programs, the modification of operating parameters ...

The **MODIFICATION** mode is made up of eight menus defined in the following chart:

MENU	PURPOSE	SECTION
Pro	Modification of program contents	Section 3.2
CASH	Programming and/or modifying each program price	Section 3.3 Operation instructions book
DEMO	Operation mode with program accelerator	Section 3.4
INFO	Information menu	Section 3.5
Mod	Modification of the operating parameters	Section 3.6
Ncod	Modification of access code	Section 3.7
CALE	Prices allocation according to hour band	Section 4.2 & 4.3
HOOR	Adjust the system time	Section 4.1

3.1. Access to MODIFICATION mode

Connect the washer and open the door. The display shows **door**.

Push and hold down **1** key until the **Cod** report appears on the display.

Enter the access code to the menus pressing, without interruption, the sequence of eight keys of the code. In basic configuration (when the machine is delivered) the access code to **MODIFICATION** is: **12341234**

If the sequence set is correct, the display will show **Pro**, corresponding to the first menu.

Keys **2** and **4** allow the selection of the precedent table menus. The menu selected is showed in the display following its keyword. To enter in it, press the **1** key when displaying it.

If wished to skip the **MODIFICATION** mode, press **STOP** and machine will return to program execution mode.

The **MODIFICATION** mode can be also left disconnecting the electric supply of the washing machine.

3.2. Modification of program contents. Pro menu.

In its original configuration, the washing machine has four wash programs with content adapted to a wide range of usage. However, the content of each program can be modified to be adapted to the specific needs of different situations.

The modifications will always be carried out starting from a **MASTER PROGRAM** that understands the programmable parameters and the maximum and minimum values of certain options.

The master program is composed of six phases. At the start of each phase, a parameter of the value **PH-Y / Ph-N** (execute **YES** phase / execute **NO** phase) will allow the user to determine if the phase to access should be executed or, on the contrary, be omitted.

Once the phase is defined as to be executed, proceed to the display and modification (if desired) of the parameters or values of the phase.

3.2.1. Master program

PHASE	EXECUTION	LEVEL	TEMP.	DOSING	ROTATION	ROTATION TIME	EXTRACT	EXTRACT TIME
	<i>Ph</i>	<i>L</i>	<i>C / F</i>	<i>d</i>	<i>r</i>	<i>rt</i>	<i>E</i>	<i>Et</i>
1	Y / N	1...3	n.p.	1	1...3	1...6	1...3	n.p. 2...3
2	Y	1...3	0 ... 80 32 ... 176	2	1...3	1...20	1 / 2	n.p. 2
3	Y	1...3	n.p.	0 / 3	1...3	1...6	1...3	n.p. 2...3
4	Y / N	1...3	n.p.	n.p.	1...3	1...6	1...3	n.p. 2...3
5	Y / N	1...3	n.p.	n.p.	1...3	1...6	1	n.p.
6	Y	1...3	n.p.	0 / 4	1...3	1...6	1...6	n.p. 2...7

Refer to *section 3.2.6, 7 and 8* for the definition of functions and programmable values of each phase.

3.2.2. Default program contents. CE Configuration HS & MS models

Pr - 1. SUPER WASH ⌚ 31 min.								
Ph	Ph	L	C	d	r	rt	E	Et
1	N	2	---	1	1	3	2	2
2	Y	1	60	2	1	10	1	1
3	Y	2	---	3	1	3	1	1
4	Y	3	---	---	1	2	3	2
5	N	3	---	---	1	2	1	1
6	Y	2	---	4	1	2	6	6

Pr - 2. COLOR FAST. PERM. PRESS ⌚ 31 min.								
Ph	Ph	L	C	d	r	rt	E	Et
1	N	2	---	1	1	3	2	2
2	Y	1	50	2	1	10	1	1
3	Y	2	---	3	1	3	1	1
4	Y	3	---	---	1	2	3	3
5	N	3	---	---	1	2	1	1
6	Y	2	---	4	1	2	6	6

Pr - 3. WHITE ⌚ 29 min.								
Ph	Ph	L	C	d	r	rt	E	Et
1	N	2	---	1	1	3	2	2
2	Y	1	30	2	1	8	1	1
3	Y	2	---	3	1	3	1	1
4	Y	3	---	---	1	2	3	2
5	N	3	---	---	1	2	1	1
6	Y	2	---	4	1	2	6	6

Pr - 4. DELICATE ⌚ 26 min.								
Ph	Ph	L	C	d	r	rt	E	Et
1	N	2	---	1	2	3	2	2
2	Y	1	20	2	2	8	1	1
3	Y	2	---	3	2	3	1	1
4	Y	3	---	---	2	2	3	2
5	N	3	---	---	2	2	1	1
6	Y	2	---	4	2	2	4	3

3.2.3. Default program contents. USA Configuration Models EH020 & EM025. SP-0

Pr - 1. SUPER WASH ⌚ 23 min.								
Ph	Ph	L	F	d	r	rt	E	Et
1	N	2	---	1	1	4	2	2
2	Y	1	104	2	1	7	1	1
3	Y	1	---	3	2	2	2	2
4	Y	2	---	---	2	1	1	1
5	N	2	---	---	1	1	1	1
6	Y	2	---	4	2	2	5	4

Pr - 2. WHITE ⌚ 17 min.								
Ph	Ph	L	F	d	r	rt	E	Et
1	N	2	---	1	1	3	2	2
2	Y	1	104	2	1	4	1	1
3	Y	2	---	3	2	2	2	2
4	N	2	---	---	1	1	1	1
5	N	2	---	---	1	1	1	1
6	Y	2	---	4	2	2	5	4

Pr - 3. COLOR FAST. PERM. PRESS ⌚ 17 min.								
Ph	Ph	L	F	d	r	rt	E	Et
1	N	2	---	1	1	3	2	2
2	Y	1	86	2	1	4	1	1
3	Y	2	---	3	2	2	2	2
4	N	2	---	---	1	1	1	1
5	N	2	---	---	1	1	1	1
6	Y	2	---	4	2	2	5	4

Pr - 4. DELICATE ⌚ 16 min.								
Ph	Ph	L	F	d	r	rt	E	Et
1	N	2	---	1	2	3	2	2
2	Y	1	68	2	2	4	1	1
3	Y	2	---	3	2	2	2	2
4	N	2	---	---	2	1	1	1
5	N	2	---	---	2	1	1	1
6	Y	2	---	4	2	2	3	3

3.2.4. Default program contents. USA Configuration Models EH020 & EM025. SP-1, SP-2, SP-3.

Pr - 1. SUPER WASH ⌚ 32 min.								
Ph	Ph	L	F	d	r	rt	E	Et
1	Y	2	---	1	2	2	2	2
2	Y	2	80	2	1	7	2	2
3	Y	2	---	3	1	2	2	2
4	Y	3	---	---	1	1	2	2
5	N	3	---	---	1	1	1	1
6	Y	2	---	4	1	2	6	5

Pr - 2. WHITE ⌚ 28 min.								
Ph	Ph	L	F	d	r	rt	E	Et
1	Y	2	---	1	2	2	2	2
2	Y	2	80	2	1	7	2	2
3	Y	2	---	3	1	2	2	2
4	N	2	---	---	1	1	1	1
5	N	2	---	---	1	1	1	1
6	Y	1	---	4	1	2	6	5

Pr - 3. COLOR FAST. PERM. PRESS ⌚ 28 min.								
Ph	Ph	L	F	d	r	rt	E	Et
1	Y	2	---	1	2	2	2	2
2	Y	2	80	2	1	7	2	2
3	Y	2	---	3	1	2	2	2
4	N	2	---	---	1	1	1	1
5	N	2	---	---	1	1	1	1
6	Y	1	---	4	1	2	6	5

Pr - 4. DELICATE ⌚ 25 min.								
Ph	Ph	L	F	d	r	rt	E	Et
1	Y	2	---	1	2	2	2	2
2	Y	2	68	2	2	7	1	1
3	Y	2	---	3	2	2	2	2
4	N	2	---	---	2	1	1	1
5	N	2	---	---	2	1	1	1
6	Y	2	---	4	2	2	3	3

3.2.5. Default program contents. USA Configuration Other models

Pr - 1. SUPER WASH ⌚ 24 min.								
Ph	Ph	L	F	d	r	rt	E	Et
1	N	2	---	1	1	2	2	2
2	Y	1	140	2	1	7	1	1
3	Y	2	---	3	1	1	3	2
4	Y	3	---	---	1	1	1	1
5	N	3	---	---	1	1	1	1
6	Y	2	---	4	1	1	6	6

Pr - 2. WHITE ⌚ 24 min.								
Ph	Ph	L	F	d	r	rt	E	Et
1	N	2	---	1	1	2	2	2
2	Y	1	122	2	1	7	1	1
3	Y	2	---	3	1	1	3	2
4	Y	3	---	---	1	1	1	1
5	N	3	---	---	1	1	1	1
6	Y	2	---	4	1	1	6	6

Pr - 3. COLOR FAST. PERM. PRESS ⌚ 23 min.								
Ph	Ph	L	F	d	r	rt	E	Et
1	N	2	---	1	1	2	2	2
2	Y	1	86	2	1	6	1	1
3	Y	2	---	3	2	1	3	2
4	Y	3	---	---	2	1	1	1
5	N	3	---	---	2	1	1	1
6	Y	2	---	4	2	1	6	6

Pr - 4. DELICATE ⌚ 20 min.								
Ph	Ph	L	F	d	r	rt	E	Et
1	N	2	---	1	2	2	2	2
2	Y	1	68	2	2	6	1	1
3	Y	2	---	3	2	1	3	2
4	Y	3	---	---	2	1	1	1
5	N	3	---	---	2	1	1	1
6	Y	2	---	4	2	1	4	3

3.2.6. Phases definition.

PHASES	DEFINITION
1	Pre-wash. Optional execution phase.
2	Washing. Obligatory execution phase. The mixing of hot and cold water is permitted and/or water heating.
3	First Rinse. Obligatory execution phase. Dosing of bleach included.
4	Second Rinse. Optional execution phase.
5	Third Rinse. Optional execution phase.
6	Fourth Rinse. Obligatory execution phase. Dosing of softener included..

3.2.7. Definition of programmable functions and values for each phase

FUNCTION	CONCEPT	OPTIONS	
Ph	Phase execution	Ph-Y	Phase able to be executed
		Ph-N	Phase unable to be executed
L	Bath level	L-1	Low level
		L-2	High level
		L-3	Extra high level (Level not programmable in machines with pump drain)
C / F	Washing phase temperature	0 / 80	Programmable range in Centigrade degrees
		32 / 176	Programmable range in Fahrenheit degrees
		n.p.	Not possible to program temperature in phase
d	Dosing	d-0	Phase without dosing
		d-1	Dosing of pre-wash detergent
		d-2	Dosing of wash detergent
		d-3	Dosing of bleach
		d-4	Dosing of softener or neutraliser
		n.p.	Not possible to program dosing in phase
r	Type of rotation	r-1	Heavy-duty rotation: 25 sec. ON - 5 sec. OFF
		r-2	Normal rotation: 15 sec. ON - 15 sec. OFF
		r-3	Delicate rotation: 5 sec. ON - 25 sec. OFF
rt	Rotation time (in minutes)	1...6	Programmable range in pre-wash phase
		1...20	Programmable range in wash phase
		1...6	Programmable range in rinse phases
E	Bath drain	1	Drain + wash speed
		2	Drain + positioning speed
		3	Drain + low extract speed
		4	Drain + medium extract speed
		5	Drain + medium/high extract speed
		6	Drain + high extract speed
Et	Extract time	n.p.	Non programmable time
		2...3	Programmable range in intermediate extracts
		2...7	Programmable range in E-4 - E-6 extracts

3.2.8. Modification of a program

Access the **MODIFICATION** mode (*section 3.1*) The display will indicate **Pro**.

Press the **1** key to access the **PROGRAMMING** menu.

The display will indicate **Pr-1**. Ready to modify program **1**. The **2 / 4** keys are used to select another program.

Press the **1** key to access the modification of the displayed program.

The display will indicate **Ph-1**. Ready to modify phase **1**. The **2 / 4** keys are used to select another phase.

Press the **1** key to start the modification to the values of the selected phase.

When the number of the phase is displayed (start of phase), the **STOP** key is used to finalise the program modification.

Once finalised the modification of a program, the display will show the **Pr-*** report. (modified program). A push on key **STOP** allows to access at the superior level of the menu. Two consecutive pulsations allow exiting the **MODIFICATION** mode.

Activation of the phase.

Allows programming the execution of the selected phase.

Once the desired phase to be modified has been selected, press the **1** key. The display will indicate **Ph-***.

OPTIONS	MEANING
Ph-Y	Availability of the phase to be executed
Ph-N	Unavailability of the phase to be executed

The **2 / 4** keys will modify the displayed option.

The **1** key validates the displayed selection and allows access to the following programmable function.

Bath level

Allows the selection of bath level inside the washer.

OPTIONS	MEANING
L-1	Low level
L-2	High level
L-3	Extra high level

For safety, the option **L-3** is not programmable in machines with pump drain.

The **2 / 4** keys will modify the displayed option.

The **1** key validates the displayed selection and allows access to the following programmable function.

Temperature of the washing phase

Allows modifying the water temperature in the washing phase. In other phases, it is not possible to program the water temperature.

OPTIONS	MEANING
C-0 ... C-80	Programmable range in Centigrade degrees
F 32 ... F 176	Programmable range in Fahrenheit degrees

The **2 / 4** keys will modify the displayed option.

The **1** key validates the displayed selection and allows access to the following programmable function.

Dosing.

Permits to activate or deactivate dosing that appear in the master table.

OPTIONS	MEANING
d-0	Without dosing
d-1	Dosing of pre-wash detergent
d-2	Dosing of wash detergent
d-3	Dosing of bleach
d-4	Dosing of softener or neutraliser
n.p.	Not possible to program dosing in phase

Dosings **d-1** and **d-2** cannot be modified.

Dosings **d-3** and **d-4** control the entry of water into the corresponding compartment of the dispenser simultaneously with the electrical signal of the external dosing.

The **2** key will modify the displayed option.

The **1** key validates the displayed selection and allows access to the following programmable function.

Rotation

The mechanical action of the washing machine regarding the laundry is different according to the selected rotation.

Time **ON**: drum in rotation

Time **OFF**: drum stopped.

OPTIONS	MEANING
r-1	Heavy duty rotation ON : 25 sec. OFF : 5 sec.
r-2	Normal rotation ON : 15 sec. OFF : 15 sec.
r-3	Delicate rotation ON : 5 sec. OFF : 25 sec.

The **2** key will modify the displayed option.

The **1** key validates the displayed selection and allows access to the following programmable function.

Rotation time

Rotation time programmed in the phase. It is valued in minutes.

This time is started once the programmed temperature and level are reached.

OPTIONS	MEANING
1 ... 6	Programmable range in the pre-wash and rinse phase
1 ... 20	Programmable range in the wash phase

The **2 / 4** keys will modify the displayed option.

The **1** key validates the displayed selection and allows access to the following programmable function.

Bath drain

The draining of the water from the washing machine is done through the activation of the drain system, either by pump or by gravity at the same time the drum is rotating.

Options **E-1** and **E2** imply a default time value.

The duration of options **E-3 - E-6** is programmable within a determined range.

OPTIONS	MEANING
E-1	Drain + wash speed
E-2	Drain + positioning speed
E-3	Drain + low extract speed
E-4	Drain + medium extract speed
E-5	Drain + medium/high extract speed
E-6	Drain + high extract speed

R.P.M. FOLLOWING MACHINE MODEL							
OPTIONS	MS-610 EM025	MS-613 EM030	MS-617 EM040	MS-623 EM055	HS-6008 EH020	HS-6013 EH030	HS-6017 EH040
E-1	50	46	46	44	50	46	44
E-2	100	100	100	100	100	100	100
E-3	300	300	300	300	580	400	350
E-4	400	400	400	400	690	600	550
E-5	500	500	500	500	780	800	750
E-6	600	600	600	600	970	1005	950

The **2 / 4** keys will modify the displayed option.

The **1** key validates the displayed selection and allows access to the following programmable function.

Extract time

Extract time programmed in the phase. It is valued in minutes.

OPTIONS	MEANING
n.p.	Drain time E-1 and E-2
2 ... 3	Programmable range in not final phase of the program
2 ... 7	Programmable range in final phase of the program

The **2 / 4** keys will modify the displayed option.

The **1** key validates the displayed selection and ends the phase programming.

Display shows the following phase.

When finalising the programming of the last phase of the program, display shows **Pr-*** (modified program)

3.4. DEMO menu. Operating mode with program accelerator

It allows executing one of the four COIN programs with the possibility of reducing the program time. Program to facilitate maintenance interventions and preparation of programs.

3.4.1. Execution of a program in DEMO mode.

Access the **MODIFICATION** mode. *Section 3.1.* Display shows **Pro**.
 Press key **2** twice. In the display reports **CASH** and **DEMO** are showed successively.
 Press the **1** key to access the **DEMO** menu. Display shows **door**.
 Close the door. Display shows **Pr-1**.
 Disposition to execute program 1. Keys **2** and **4** allow the selection of another program.
 Press **STOP (5)** key to start the program on the display.
 The program will be executed following the present contents of it.

During the execution of the program, it is possible to modify it:
 Press key **3**. The information on the display starts flashing.
 Press **4** to advance to the following function or to reduce the rotation and extract times.
 Key **2** allows increasing the rotation times.
 Once the program is finished, open the door.
 The washer can be normally used.

3.5. INFO menu

Information menu of the different parameters.

PARAMETERS	MEANING
COIN	Control for coin op washers
EP**	Version of program
Pr-1	Number of cycles executed with program 1
Pr-2	Number of cycles executed with program 2
Pr-3	Number of cycles executed with program 3
Pr-4	Number of cycles executed with program 4
SUD	Number of times the anti-suds function has been activated

Access the **MODIFICATION** mode. *Section 3.1.* Display shows **Pro**.
 Press **2** key three times. Display shows successively **CASH, DEMO, INFO**.
 Press the **1** key to sequentially access the listing of the different parameters and the value of the corresponding counters.
 Once the last option is listed, press the **1** key. Display shows **INFO**.
 The **2 / 4** keys allow the access to other menus.
 To exit the **MODIFICATION** menu press the **STOP** key.

3.6. MOD menu. Modification of operating parameters.

The **Mod** menu allows the modification of the operation parameters of all the programs. The modifications carried out from **Mod** menu affect the four programs.

Summary table of the changeable parameters:

PARAMETER	MODIFICATION OF	OPTIONS		CE	USA
C / F	Temperature unit	C	Temperature displayed in Centigrade degrees	←	
		F	Temperature displayed in Fahrenheit degrees		←
Ed	External dosing	Ed-0	Units without external dosing	←	←
		Ed-1	Units with external dosing		
bt	Beep time	bt10	Beep time when machine restarts		
PSH	Order for cycle start	PSH0	Cycle start by inserting coins	←	←
		PSH1	Cycle start by inserting coins and key		
SP	Levels of suds prevention (EH020 & EM025 models only)	SP-0	Without suds prevention	←	←
		SP-1	First level of suds prevention		
		SP-2	Second level of suds prevention		
		SP-3	Third level of suds prevention		
Hr	Program price according to hour band	Hr-0	Unavailable option	←	←
		Hr-1	Available option		
dSP	Temperature display	dSP0	No temperature value displayed		
		dSP1	Temperature value displayed	←	←

← Indicates default option following configuration.

3.6.1. Parameters modification

Access the **MODIFICATION** mode. Section 3.1. Display shows **Pro**. Press key **2** four times. In the display reports **CASH, DEMO, INFO, Mod** are showed successively. Press the **1** key to display the first parameter.

Temperature unit

The bath water temperature can be displayed in Centigrade or Fahrenheit degrees.

OPTIONS	MEANING
C	Temperature unit in Centigrade degrees
F	Temperature unit in Fahrenheit degrees

The **2 / 4** keys allow the modification of the option displayed. The **1** key validates the selection on the display and permits the access to the following programmable function.

External dosing

Adapts the operation of the control panel leds to the washer operation.

Option **Ed-1** has to be programmed only if washer uses wash products form an external dosing installation.

OPTIONS	MEANING
Ed-0	Units with external dosing unavailable
Ed-1	Units with external dosing available

The **2 / 4** keys allow the modification of the option displayed.

The **1** key validates the selection on the display and permits the access to the following programmable function.

Beep time

It determines the beep duration when a program stopped by the **STOP** key restarts.

Minimum programmable time: 10sec.

Maximum programmable time: 60sec.


The **2 / 4** keys allow the modification of the displayed time.

The **1** key validates the selection on the display and permits the access to the following programmable function.

Order to start program

In **PSH0** configuration the washing programs will start when the number of tokens or coins inserted is equal to the price shown on the display.

In **PSH1** configuration a push on the **STOP** key is required to start the program once the value of it has been inserted in the unit coin meter.

OPTIONS	MEANING
PSH0	Cycle start by paying its value
PSH1	Cycle start by paying its value and pushing the key 

The **2 / 4** keys allow the modification of the option displayed.

The **1** key validates the selection on the display and permits the access to the following programmable function.

Suds prevention program

Option available on **EH020 & EM025** models only.

Certain detergents commonly used in some North-America countries produce large quantities of suds and can complicate the proper functioning of the wash programs.

To mitigate this difficulty it is advisable to use the suds-prevention options.

The levels of prevention 1, 2 and 3 modify the wash programs values (refer to section **3.2.3** and **3.2.4** on this manual).

The levels of prevention 2 and 3 execute as well additional options to increase the efficiency of rinses.



CAUTION!

THE ACTIVATION OF SUDS PREVENTION LEVELS 2 & 3 MEAN A SMALL INCREASE OF THE PROGRAMME DURATION AND WATER AND ENERGY CONSUMPTION. IT IS RECOMMENDED TO USE SOAP CHEMICALS WITH SUDS CONTROL AND TO NOT EXCEED THE RECOMMENDED DOSING.

OPTIONS	MEANING
SP-0	Without suds prevention
SP-1	First level of suds prevention
SP-2	Second level of suds prevention
SP-3	Third level of suds prevention

The **2 / 4** keys allow the modification of the option displayed.

The **1** key validates the selection on the display and permits the access to the following programmable function.

Prices allocation according to hour band

Option possible only on machines with clock option installed

The activation of option **Hr-1** modifies the contents of the **CASH** menu, allowing programming of three different prices for each program and permits the access to the **CALE** menus: definition of hour band for each day of the week and **Hour**: setting the clock and programming the day of the week

OPTIONS	MEANING
Hr-0	Unique price for each program
Hr-1	Variable price based on the established calendar

Note: The modification of **Hr-1** to **Hr-0** programming causes the washing machine to automatically select as price of each program the values programmed as Low value.

The **2 / 4** keys allow the modification of the option displayed.

The **1** key validates the selection on the display. Display shows **Mod**.

The keys **2 / 4** allow the access to other menus.

To exit the **MODIFICATION** mode press the **STOP** key.

Temperature value display

Available only for heated units.

It allows or prevents the water temperature display during the wash phase heating.

OPTIONS	MEANING
dSP0	No temperature value displayed
dSPI	Temperature value displayed

The **2 / 4** keys allow the modification of the option displayed.

The **1** key validates the selection on the display and permits the access to the following programmable function.

3.7. Ncod menu. Modification of the access code to MODIFICATION mode.

As it is described in *section 3.1*, the access to **MODIFICATION** mode is restricted with an access code. This code can be modified by the user if he wants to. It must always contain a combination of **EIGHT** keys.

Access code modification.

Access the **MODIFICATION** mode. *Section 3.1*. Display shows **Pro**.
 Press key **2** five times. In the display reports **CASH, DEMO, INFO, Mod, Ncod** are showed successively.
 Push **1** key to access the set of a new code. All the information of the display goes out.
 Enter a combination of eight keys using the four central keys in the control panel.
 The key pushed is displayed in the display with its corresponding numeric value.
 At the end of the sequence the **SURE** report will be showed.
 Confirm the new code with the **3** key.
 If you don't want to validate the new code, push the **STOP** key.
 In both situations display will show **Ncod**.
 The keys **2 / 4** allow the access to other menus.
 To exit the **MODIFICATION** mode press the **STOP** key.

4. PROGRAMS PRICE ACCORDING TO THE HOUR BAND

The price option based on the time bands allows the access to the programming of the different prices for each program according to the time and day of the week. After programming the washing machine, the price of each program is modified automatically depending on the rates and the calendar set up. In this chapter are described the steps to program this way of programs price management.



NEVER FORGET THAT PRIOR TO SET THE HOUR TO THE SYSTEM AND THE PRICE PROGRAMMING, THE WASHING MACHINE MUST HAVE THE CLOCK KIT AND THE PROGRAMMING OPTION MUST BE SET UP, AS IT IS DESCRIBED IN SECTION 3.6.

If this kit is not set up originally in your washing machine it can be added later. Ask your dealer.

Table of the price management system menus:

MENU	OBJECTIVE
Hour	To set the clock of the system and the weekly calendar.
CALE	Definition of the different time bands for each day of the week.
CASH	Price of each program according to the time band.

4.1. Hour menu

It is essential to have the clock set at the real time for the good operation of the payment system according to the time bands.

The HOUR menu allows seeing and / or modifying the hour of the system:

4.1.1. Setting clock time and day of the week.

Access to the **MODIFICATION** menu. *Section 3.1.* Display shows **Pro**.

Press key **2** seven times. In the display reports **CASH, DEMO, INFO, Mod, Ncod, CALE, Hour** are showed successively.

Push the **1** key. The display shows **SURE**. (Access confirmation to time modification)

Push **3** key to display the current time. The hour of the system is showed in the display in the format: hh.mm (hour format: 24 hours).

The minutes are showed flashing. Modification by **2** and **4** keys.

Push the **3** key to validate the minutes and go to hour modification.

The hours are showed flashing. Modification by **2** and **4** keys.

Push the **1** key to validate the hour on the display.

Select the day of the week (from **1-Mo** to **7-Su**) by **2** and **4** keys.

Push **1** to accept the day displayed. Display shows **Hour**.

2 / 4 keys allow the access to other menus.

To skip the **MODIFICATION** mode push **STOP**.

4.2. CALE menu

By this menu are defined the time bands for each day of the week. It is possible to define up to four time bands per day.

The first time band starts always at 00 hours.

The last time band finishes at 24 hours.

After having defined the time bands, each time will be allocated a price rate.

The rates are defined as:

LOW Rate: low price. When the laundry is not very full.

Mid Rate: normal price. When the laundry is quite full.

HIGH Rate: high price. When the laundry is very full.

Afterwards, in **CASH** stage will be allocated a different price for each program and each rate.

The values programmed by default on the **CALE** menu are:

One daily time band of 24 hours and at a normal rate.

4.2.1. Time programming.

Access to the **MODIFICATION** menu. *Section 3.1.* Display shows **Pro**.

Press key **2** six times. In the display reports **CASH, DEMO, INFO, Mod, Ncod, CALE** are showed successively.

Push **1** key to access to the menu. Display shows **1-Mo**.

2 and **4** keys allow the selection of another day.

Programming a day of the week

Push **1** to accept the day displayed. The display shows the report **1-**** (first time band and end time)

2 and **4** keys allow the modification of the end time of the first stage.

Push **1** to accept the hour programming. The display will show the rate of the first time band.

Possible programming: **LOW** rate: low price; **Mid** rate: medium price; **HIGH** rate: high price.

2 and **4** keys allow the selection of the rate desired

Push **1** to accept the rate programmed.

If the end of the first time band has been programmed at 24h, that will access to the time bands programming of the following day.

If the end of the first time band has been programmed before the 24h, the display will show the report **2-****. Second time band and end time.

To program the following time bands, you must repeat this procedure from step 6 of this section.

Maximum number of time bands per day: four

The last time band ends at 24h. It's not modifiable.

Programming of the remaining days.

Select by **2** and **4** keys the day that you want to modify.

Repeat the procedure: programming a day of the week.

The **STOP** key allows the access to the superior programming level. Display shows **CALE**.

2 / 4 keys allow the access to other menus.

To skip the **MODIFICATION** mode push **STOP**.

Example: Example of the weekly programming of the time band

DIA	BAND 1		BAND 2		BAND 3		BAND 4	
	TIME	RATE	TIME	RATE	TIME	RATE	TIME	RATE
1-Mo	00-12 h.	LOW	12-18 h.	Mld	18-22 h.	HIGH	22-24 h.	LOW
2-tU	00-13 h.	LOW	13-24 h.	Mld	-	-	-	-
3-UE	00-24 h.	Mld	10-14h.	HIGH	-	-	-	-
4-tH	00-24 h.	Mld	-	-	-	-	-	-
5-Fr	00-24 h.	HIGH	-	-	-	-	-	-
6-SA	00-13 h.	Mld	13-19 h.	HIGH	19-24 h.	Mld	-	-
7-SU	00-11 h.	LOW	11-14 h.	Mld	14- 19 h.	HIGH	19-24 h.	LOW

4.3. CASH menu

Following the steps of *section 4.2* some time bands have been defined to which we have given a rate:

LOW: low price. **Mld:** medium price. **HIGH:** high price.

In the **CASH** menu we give a price to each program according to the rate chosen.

The price will be programmed in number of tokens or in value of coins, depending on the coin meter in the machine.

Token counter meter: The price of each program is fixed by the number of tokens to be introduced to start the program. The modification of the program price will always be in units.

Coin counter meter: The price of each program is set by its value in coins. The programming or modification of the program price will always be a multiple of the coin used. In dual coin meters, the program value will always be a multiple of the less valuable coin.

Price programming = **0000** allows the free use of the washing machine. When selecting a washing program, the report **FrEE** is showed in the display and the washing program is started pushing the **STOP** key.

4.3.1. Price of each program according to the three rates.

The programming of **HR-1** option in *section 3.6* modifies the contents of **CASH** menu.

Access to the **MODIFICATION** menu. *Section 3.1*. Display shows **Pro**.

Press the **2** key. The display shows **CASH**.

Push the **1** key to access the menu. The display shows **Pr-1**.

Keys **2** and **4** allow the selection of another program.

Programming the price of a program

Push the **1** key to program the prices of the program displayed.

LOW report is showed in the display. Push again the **1** key.

The display shows the value of the low rate of the program displayed.

The **2** and **4** keys allow the modification of the program price.

Push the **1** key to validate the program price.

Mld report is showed in the display. Push again the **1** key.

The display shows the value of the medium rate of the program displayed.

The **2** and **4** keys allow the modification of the program price.

Push the **1** key to validate the program price.

HIGH report is showed in the display. Push again the **1** key.

The display shows the value of the high rate of the program displayed.

The **2** and **4** keys allow the modification of the program price.

Push the **1** key to validate the program price.

Pr-* report is showed in the display. Next program.

Programming of the remaining programs.

Select by **2** and **4** keys the program that you want to modify.

Repeat the procedure: programming the price of a program.

Push the **1** key to program the prices of the program displayed.

The **STOP** key allows the access to the superior programming level. Display shows **CASH**.

Keys **2** and **4** allow the selection of another menu.

To skip the **MODIFICATION** mode press **STOP** key twice with **Pr-*** on display.

Example: rate programming using 0.20 EUR & 2 EUR (example only)

Programming made in a washer with dual coin meter.

PROGRAM	LOW RATE (LOW)	NORMAL RATE (Mid)	HIGH RATE (HIGH)
1	3.00 EUR	3.60 EUR	4.20 EUR
2	2.40 EUR	3.00 EUR	3.60 EUR
3	2.40 EUR	3.00 EUR	3.60 EUR
4	2.00 EUR	2.60 EUR	3.20 EUR

Example: rate programming using 0.25 US\$ (example only)

Programming made in a washer with single coin meter.

PROGRAM	LOW RATE (LOW)	NORMAL RATE (Mid)	HIGH RATE (HIGH)
1	2.75 \$	3.00 \$	3.50 \$
2	2.50 \$	2.75 \$	3.25 \$
3	2.50 \$	2.75 \$	3.25 \$
4	2.25 \$	2.50 \$	3.00 \$