INSTRUCTION MANUAL
MANUAL DE INSTRUCCIONES
MANUEL D'UTILISATION
BEDIENUNGSANLEITUNG
MANUALE DI ISTRUZIONI
MANUAL DE INSTRUÇÕES
РУКОВОДСТВО ПОЛЬЗОВАТЕЛЯ

FAGOR

WASHING MACHINES
LAVADORAS   LA-11 / LA-14 / LA-18 / LA-25 / LA-35 / LA-45 / LA-60 / LA-120
LAVA-LINGE
WASCHMASCHINEN   LR-11 / LR-14 / LR-18 / LR-25
LAVATRICI   LN-11 / LN-14 / LN-18 / LN-25 / LN-35 /LN-60
MÁQUINAS DE LAVAR ROUPA
СТИРАЛЬНЫЕ МАШИНЫ

12132016_01

0 SAFETY INSTRUCTIONS

In order to reduce the risk of electrical shocks or injury when using the appliance, the basic precautions should be observed, including the following:

- READ all the instructions prior to using the appliance and KEEP THEM in an easily accessible place for reference in the event of doubt.
- Do NOT wash clothes which have been previously treated, washed, soaked or stained with petrol, dry cleaning solvents, or other inflammable or explosive substances, as these give off vapours which may catch fire or explode.
- Do NOT add petrol, dry cleaning solvents or other inflammable substances to the washing water. These substances give off vapours which could catch fire or explode.
- In some conditions, hydrogen gas may be produced in a hot water system which has not been used for more than two weeks. Hydrogen gas is explosive. If the hot water system has not been used for a while, before using the washing machine turn on all the hot water taps and let the water run for a few minutes. This will release any accumulated hydrogen gas. As the gas is inflammable, do not smoke or use naked flames during this operation.
- Do NOT allow children to play in or on the appliance. Children should be strictly supervised when in the vicinity of a machine which is operating.
- Remove the door from the appliance before disposal or before leaving it out of service.
- DO NOT TRY TO OPEN THE DOOR if the drum is moving.
- Do NOT install or store the appliance in the open.
- Do NOT try to force the controls.
- Do not repair or replace parts of the appliance or carry out any servicing unless recommended to do so in the User Instruction Manual. Make sure that you fully understand the instructions and have the necessary skills to carry out the operations described.
- Do NOT remove any safety device or modify any components in the washing machine. DO NOT INSTALL components not belonging to the machine in the appliance.
- Failure to comply with any of the instructions given in the Instruction Manual may result in personal injury to the user. It is no possible to provide for all possible situations and contingencies with warnings about risk and hazards. Therefore, any person involved in the transportation, installation, use or maintenance of the machine should always employ common sense, caution and care.
- Do NOT use the machine unless all the covers and guards are correctly fitted and secured.
- The distributor (vendor) MUST correctly instruct the user during commissioning.
- Pour the correct doses of detergent, fabric softener and lay into the dispenser drawer, as indicated by the manufacturer. Heed tips concerning the treatment of different materials given by the manufacturers.
- Daily remove any traces of detergent or liquids from the dispenser drawer. Never use powdered or abrasive detergents for cleaning; use only water and soap.
- Clean the water inlet filters and the external dispenser conducts once a month.
- Never clean the exterior by water injection; functional parts of the machine could damage.
- If the washing machine is to be idle for long periods, apply a coat of Vaseline oil to all its stainless steel surfaces.
- An annual general revision is recommended.

1 INTRODUCTION

Dear customer,

Thank you for the confidence you have placed in our product. We hope it meets your needs.

The guarantee does not cover damage to glass components, or consumables (seals, bulbs, etc.) nor damage to insulation material or damage due to the incorrect installation of the appliance, or to inappropriate use, inadequate maintenance or poor repair processes.

This appliance is subject to changes and modifications for its technical progress.

2 USE

2.1 Recommendations for use

This machine has been designed to wash or treat most materials. Its use for other purposes than those given is considered as undue and dangerous.

The machine should be loaded with the nominal load, smaller or bigger loads should be avoided.

Clothes should not be washed in sacks or cloth bags. If this is absolutely necessary, make sure the machine is loaded to the nominal load to avoid possible unbalanced loads.

Canvas, waterproof items, mops, carpets or rugs should not be spun.

When a programme ends, before allowing the door to be opened, the clothes are untangled during 30 seconds. An acoustic signal when the door can be opened after this process.

2.2 Using the dispenser

Add washing products to each compartment and close dispenser cover.
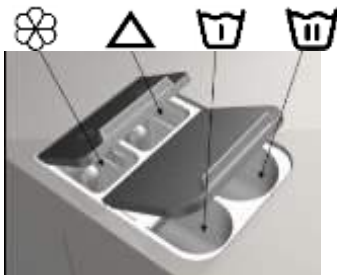
	Powdered detergent for prewash
	Powdered detergent for wash
	Liquid softener
	Liquid whitener (bleach)

2.3 Machine features

The machine is controlled using a microprocessor able to adapt to the needs of each user.

The machine has an intelligent control to control the water temperature; if hot water is available, it should be connected. The machine adjusts the different water inputs to maintain the programmed temperature.

It has intelligent control for spin cycle management. The washing machine controls any unbalanced loads and manages the spin to ensure a good spin, reducing noise and extending the useful life of wearable components, thus significantly reducing fatigue in the mechanic components.

3   INTERFACE

All the washing machines have a touch screen displaying all the information and from where it is possible to select all the controls shown on the screen.

When the machine is switched on, Screen Off is displayed. The ON/OFF button takes the user to the Main screen, from where it is possible to run a programme or go to the main menu. Press START to go to the Run screen, which displays all the relevant information about the screen.

Press ON/OFF to return to Screen Off from the current screen.

The information displayed on each of the screens can be omitted or enabled from the HUD menu (See section 5.2.1).

3.1   Screen OFF OPL

This screen is displayed when the washing machine is switched off, showing the parameters configured by the user.

1.   **Date**: Date in the selected format (if enabled in HUD).
2.   **Time**: Time and minutes in the selected format.
3.   **Laundrette message**: Message configured by the user (if enabled).
4.   **Logo**: The logo is displayed (if enabled).
5.   **Machine identifier**: Label identifying the machine (if enabled).

If the option "energy saving" is active, 10 minutes after switching off the washing machine, the screen backlight will go off. If any part of the screen is touched, the backlight will light up again. Likewise, if the ON/OFF button is pressed, the backlight comes on and the main screen is opened.

3.2   Main Screen OPL

The Main screen of the washing machine is as follows, and displays each of the available options. Some of the options may be omitted from the HUD menu.

1. **Machine identifier:** Label identifying the machine.
2. **Time**: Time and minutes in the selected format.
3. **Weight of clothes**: The weight of the clothes in the machine is displayed (if the weighing kit is active) or the nominal load for the selected model (if the kit is not active), and the weight of the load entered can be edited. Option to enable/omit in HUD. Once the programme has ended or been aborted, the nominal load of the machine is selected again.
4. **Main menu**: Access to washing machine main menu, where the different machine parameters can be configured.
5. **Programme name**: Name configured for the selected programme.
6. **Programme temperature**: Maximum temperature of the different cycles of the programme.
7. **Programme number and length**: Position of the programme in the list of programmes (My Programmes), and the estimated length in minutes for the programme selected.
8. **Increase/decrease programme number**: Permits user to scroll up or down the list of selected programmes. As well as using the buttons, the programme can be increased/decreased by pressing directly on the programme information (just above the button).
9. **Start**: Button to start running the selected programme from the cycle indicated.
10. **Programme cycles**: Press on the selected programme, the programme cycles are displayed and the cycle you wish to start with can be selected.
    In addition, it is possible to configure a programme instantly, that is, change the parameters of a cycle (time, temperature, level and dosage) for the current programme. These values are not saved for future programme runs.


3.3 Run screen OPL

When START is pressed, the programme begins and all the relevant programme information is displayed on this screen. Some of the options may be omitted from the HUD menu.


1. **Machine identifier:** Label identifying the machine.
2. **Time**: Time and minutes in the selected format.
3. **Programme running:** Programme name, Programme number, Programme length.

4. **Remaining time**: Minutes estimated for the completion of the programme. Status of programme progress, relation between total time and time remaining for programme.
5. **Status (drawing)**: Animated drawing showing the current cycle of the washing machine (filling, draining, washing, rinsing, spinning or untangling).
6. **Status (text)**: General text for any message to be displayed. If everything is correct, the text for the status in question is displayed.
    In the event of an error, the cycle and status information is maintained in order to determine exactly where the error has occurred.
7. **Currently running cycle**: Identifier and name of currently running cycle.
8. **Next cycle**: Identifier, name and drawing of next cycle (if the current cycle is the last cycle, nothing is displayed).
9. **Advance cycle**: Button to go to next cycle (if the current cycle is the last cycle, nothing is displayed). As well as using the button, the cycle can be advanced by pressing directly on the information for the next cycle (just above the button).
10. **Pause**: Button to pause the current programme. If the programme is paused, the pause icon will change to the play icon. The programme can be restarted from where it was interrupted.
11. **Stop**: Button to stop and cancel the **programme**. A confirmation message will be requested.

12. **Run menu**: Access to the current parameters.
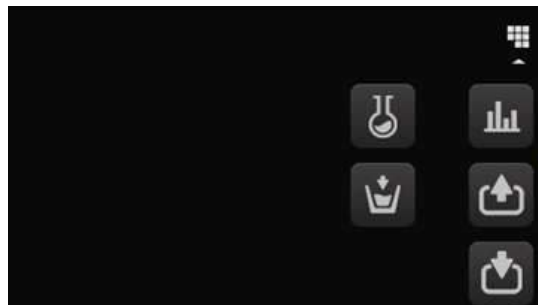
-    **Inputs**: The status of each of the inputs is displayed. The inputs which are available in all the machines are always displayed. The inputs which are exclusive to a particular feature (for example, Self-service, Sanitary, Extra dispensers, Tanks (T1, T2, T3), Tilting…) will only be available if this feature is activated.
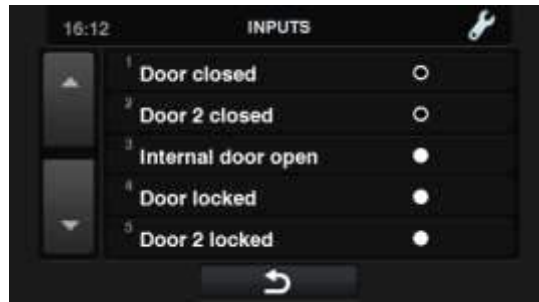
-    **Outputs**: The status of each of the outputs is displayed. The outputs which are available in all the machines are always displayed. The outputs which are exclusive to a particular feature (for example, Self-service, Sanitary, Extra dispensers, Tanks (T1, T2, T3), Tilting…) will only be available if this feature is activated.

- **Settings/values**: Display of settings and true values for the current cycle (Temperature, Level, Time remaining).

   Allows setting values to be edited, but is only effective for currently running programme.

- **Manual dosing**: This section can be accessed, the state of each dispenser (ON /OFF) is displayed, and the required dose can be activated/deactivated. The available options will be based on the configuration of existing kits. On exiting the dosing window, all the dispensers are deactivated.

- **Manual water inlet**: This section can be accessed, the state of each water inlet (ON /OFF) is displayed, and the required inlet can be activated/deactivated. The water inlet that has been activated by the fill logarithm cannot be deactivated. On exiting the water inlet window, all the manually activated water inlets will be deactivated.

4   PROGRAMMES

There is a programme library consisting of all the programmes installed by default, together with the programmes created by the user.

Before explaining the programme management (see section 5.1), details are given of their parameters and of the standard programmes found in the library.

4.1   Cycle parameters

Each programme is made up of a series of cycles, consisting of a set of parameters which can be configured, depending on the cycle type in question.

### 4.1.1   Parameters for soak, prewash, wash or rinse cycles:

- **Cycle name**: Name identifying the cycle. This is not the text displayed on the *Run screen,* but the text which identifies a created cycle.

- **Time**: Value, in minutes, of the cycle length. Range can be configured from 1 to 99.

- **Temperature**: Temperature, ºC or ºF, of current cycle.
  Range can be configured from 20ºC to 90ºC.

- **Level**: Water level at which cycle should be run.
  There are 5 types of level: Minimum (1), Low (2), Medium (3), High (4), Maximum (5)
  Please refer to table of levels by model (see section 4.4.). Range can be configured.

- **Speed**: Speed of current cycle. There are 4 different speeds to select from: Minimum (1), Low (2), Normal (3), High (4).
  Please refer to table of speeds by model (see section 4.4.). Range can be configured.

- **Wash rate**: Sequence of movement that washing machine must follow (run time (seconds) / stop time (seconds)). Range can be configured from 1 to 99.
  The drum alternately turns to the left and to the right.

- **Water inlet**: This indicates the selection of the required water inlet.
  - Hot water: Load water from the hot water inlet (Yes/No).
  - Cold water: Load water from the cold water inlet (Yes/No).
  - Auxiliary: Load water from the auxiliary water inlet (Yes/No).
  - Water adjustment: Load water from one or other inlet depending on the temperature (Yes/No).
  - T1, T2, T3: Load water from any of the tanks if recovery KIT is fitted.

- **Drainage**: This displays whether the water should be drained at the end of the cycle, indicating which outlet should be used if the recovery kit is active.

- **Cooling**: Option that permits the temperature in a cycle to be lowered before drainage or going to the next cycle. Configurable parameter only if the cycle temperature is equal to or higher than 40ºC. Range can be configured from 30ºC to cycle setting.
  In addition to selecting the cooling value, there is a button to enable or disable this option.

- **Dispenser 1.8**: Each dispenser can be activated independently, and the following parameters must be configured if it is activated:
- Start: If dispenser X is active, indicate when this dispenser should start dosing.
    - Safety level (ML): Start dosing when the safety level is reached.
    - Level (L): Start dosing when the defined level is reached.
    - Temperature (T): Start dosing when the defined temperature is reached.
- Time: Time, in seconds, of dispenser X. Range can be configured from 0 to 99.
- Delay: Delay, in seconds, of dispenser X. From the moment the programme reaches the start point indicated, the dosing will be delayed for the time indicated. Range can be configured from 0 to (cycle time-dosing time).

- **Move while filling**: Rotate drum while machine is filling (Yes/No).

- **Movement while draining**: Rotate drum while machine is draining (Yes/No).

- **Thermal stop**: Indicate the moment from which the time stipulated for the cycle is counted (Yes/No).

- **Pause programme**: This allows you to pause the programme before the cycle in question starts running. The pause will be indicated on the screen and an acoustic signal is emitted (Yes/No).
  If this parameter is active, before starting the cycle, the machine will go to pause status, and the message "Pause programmed" is displayed on the screen. To continue running the programme, press the PLAY button.

4.1.2 *Parameters for spin cycles:*

- **Time**: Value, in minutes, of the spin length. Range can be configured from 1 to 99.

- **Speed**: Spin speed. There are 4 different speeds to select from: Minimum (1), Normal (2), Medium (3), Maximum (4).
  The Medium (3) and Maximum (4) values are only available in high- and medium-speed machines respectively.
  Please refer to table of speeds by model (see section 4.4.). Range can be configured.

- **Untangling**: Untangle at the end of the spin cycle (Yes/No).

- **Optimum distribution**: If this option is active, the machine does not drain in the previous cycle.

- **Pause programme**: This allows you to pause the programme before the cycle in question starts running. The pause will be indicated on the screen and an acoustic signal is emitted. (Yes/No).
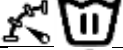
4.2   Cycle library

These are the cycles found by default in the cycle library. These cycles can be used to form new programmes.

- Soak cycles
  - **F1**: Soak
- Prewash cycles
  - **F2**: Normal Prewash Cold
  - **F3**: Normal Prewash 40ºC
  - **F4**: Delicate Prewash Cold
  - **F5**: Delicate Prewash 40ºC
  - **F6**: Very Delicate Prewash Cold
  - **F7**: Very Delicate Prewash 40ºC
  - **F8**: Wet Prewash
- Wash cycles
  - **F9**: Normal Wash Cold
  - **F10**: Normal Wash 60ºC
  - **F11**: Normal Wash 90ºC
  - **F12**: Delicate Wash Cold
  - **F13**: Delicate Wash 40ºC
  - **F14**: Very Delicate Wash Cold
  - **F15**: Very Delicate Wash 40ºC
  - **F16**: Wet Wash Cold
  - **F17**: Wet Wash 40ºC
- Rinse cycles
  - **F18**: Normal Rinse
  - **F19**: Normal Final Rinse
  - **F20**: Delicate Rinse
  - **F21**: Delicate Final Rinse
  - **F22**: Very Delicate Rinse
  - **F23**: Very Delicate Final Rinse
  - **F24**: Wet Rinse
  - **F25**: Wet Final Rinse
- Spin cycles
  - **F26**: Short Spin
  - **F27**: Long Spin

Cycle symbols:

	Soak cycles	
	Prewash cycles	: Prewash cold, 40: Pre-wash 40 ºC...
	Wash cycles	
	Rinse cycles	: Rinse, : Final rinse with softener
	Spin cycles	

Symbols and values of the parameters:

Symbol	Parameter	Value
⏳	Time	Value in minutes
🌡	Temperature	Value in ºC
	Level	1:Minimum, 2:Low, 3: Medium, 4:High, 5:Maximum
	Wash speed	1:Minimum, 2:Low, 3:Normal, 4:High
	Spin speed	2:Normal, 3:Rapid, 4:Maximum
	Water inlet	0:Cold, 1:Cold/Hot according to adjustment
	Wash rate	Run time (seconds) Stop time (seconds)
	Move while filling	✓ : Yes
	Thermal stop	✓ : Yes
	Movement in drainage	✓ : Yes
	Drainage	✓ : Yes
	Cooling	✓ : Yes
	Optimum distribution	✓ : Yes
	Stop programme	✓ : Yes
	Untangling	✓ : Yes
D	Dispenser	Input through which dose enters (D1:Dispenser 1, …) with the START/TIME/DELAY programmed at ML/0/30

Tables of cycles with their parameters:

	F1
	0
⏳	3
Level	3
Wash speed	3
Water inlet	0
Wash rate	15;05
Move while filling	✓
Movement in drainage	✓
Drainage	✓

	F2	F3	F4	F5	F6	F7	F8
	❄	40	❄	40	❄	40	❄
⏳	5	5	6	6	6	6	5
🌡		40		40		40	
Level	1	1	3	3	3	3	3
Wash speed	3	3	2	2	2	2	1
Water inlet	0	1	0	1	0	1	0
Wash rate	15;05	15;05	10;08	08;06	5;15	5;15	02;02
Move while filling	✓	✓					✓
Thermal stop		✓		✓		✓	
Movement in drainage	✓	✓					✓
Drainage	✓	✓	✓	✓	✓	✓	✓
D	D1	D1	D1	D1	D1	D1	D1

(wash)	F9	F10	F11	F12	F13	F14	F15	F16	F17
	⧖❄	⧖60	⧖90	⧖❄	⧖40	⧖❄	⧖40	⧖❄	⧖40
⧗	10	10	10	12	12	12	12	10	10
🌡		60	90		40		40		40
	1	1	1	1	1	1	1	2	2
	3	3	3	2	2	2	2	1	1
	0	1	1	0	1	0	1	0	1
	15;05	15;05	15;05	10;08	10;08	05;15	05;15	02;02	02;02
D	D2, D3	D2, D3	D2, D3	D2	D2	D2	D2	D2	D2

(wash)	F18	F19	F20	F21	F22	F23	F24	F25
		❀		❀		❀		❀
⧗	2	2	3	3	3	3	2	2
	4	4	4	4	4	4	4	4
	3	3	2	2	2	2	1	1
	15;05	15;05	10;08	10;08	05;15	05;15	02;02	02;02
D		D4		D4		D4		D4

(spin)	F26	F27
	⊚	⊚
⧗	2	6
	2	4
	✓	✓
	✓	✓

4.3 Programme library

These are the programmes that are found by default in the programme library:

P1: Energetic 90ºC
P2: Energetic 60ºC
P3: Energetic 30ºC
P4: Energetic cold
P5: Normal 60ºC
P6: Normal 30ºC
P7: Normal cold
P8: Delicates 40ºC
P9: Delicates cold
P10: Extra delicates Cold
P11: Economy 90ºC
P12: Economy 60ºC
P13: Economy 30ºC
P14: Economy cold
P15: Sluice
P16: Long spin
P17: Short spin

P1	🧺40	🧺90	🧺1	🧺2	◎	🧺3	◎
⏳	6	15	3	3	2	3	6
🌡	40	90					
⊐	1	1	3	3		3	
✗	3	3	3	3	3	3	4
🧺	1	1	0	0		0	
◉	15;05	15;05	15;05	15;05		15;05	
(🧺)		✓	✓	✓			
🖐							
(🧺)							
🧺							
⊕							
◎							
D	D1	D2, D3				D4, D5	

P2	🧺30	🧺60	🧺1	🧺2	◎	🧺3	◎
⏳	6	15	3	3	2	3	6
🌡	30	60					
⊐	1	1	3	3		3	
✗	3	3	3	3	3	3	4
🧺	1	1	0	0		0	
◉	15;05	15;05	15;05	15;05		15;05	
(🧺)	✓	✓	✓	✓		✓	
🖐		✓					
(🧺)	✓	✓	✓	✓		✓	
🧺	✓	✓	✓	✓		✓	
⊕					✓		✓
◎							✓
D	D1	D2, D3				D4, D5	

P3	🧺❄	🧺30	🧺1	🧺2	◎	🧺3	◎
⏳	6	15	3	3	2	3	6
🌡		30					
⊐	1	1	3	3		3	
✗	3	3	3	3	3	3	4
🧺	0	1	0	0		0	
◉	15;05	15;05	15;05	15;05		15;05	
(🧺)	✓	✓	✓	✓		✓	
🖐		✓					
(🧺)	✓	✓	✓	✓		✓	
🧺	✓	✓	✓	✓		✓	
⊕					✓		✓
◎							✓
D	D1	D2, D3				D4, D5	

P4	🧺❄	🧺❄	🧺1	🧺2	◎	🧺3	◎
⏳	6	15	3	3	2	3	6
🌡							
⊐	1	1	3	3		3	
✗	3	3	3	3	3	3	4
🧺	0	0	0	0		0	
◉	15;05	15;05	15;05	15;05		15;05	
(🧺)	✓	✓	✓	✓		✓	
🖐							
(🧺)	✓	✓	✓	✓		✓	
🧺	✓	✓	✓	✓		✓	
⊕					✓		✓
◎							✓
D	D1	D2, D3				D4, D5	

P5	🧺30	🧺60	🧺1	🧺2	◎	🧺3	◎
⧖	6	15	3	3	2	3	6
🌡	30	60					
⅃	2	2	4	4		4	
👤	3	3	3	3	3	3	4
🧺	1	1	0	0		0	
↻	15;05	15;05	15;05	15;05		15;05	
(symbol)	✓	✓	✓	✓		✓	
✋		✓					
(symbol)	✓	✓	✓	✓		✓	
(symbol)	✓	✓	✓	✓		✓	
⊕					✓		✓
◎							✓
D	D1	D2, D3				D4, D5	

P6	🧺❄	🧺30	🧺1	🧺2	◎	🧺3	◎
⧖	6	15	3	3	2	3	6
🌡		30					
⅃	2	2	4	4		4	
👤	3	3	3	3	3	3	4
🧺	0	1	0	0		0	
↻	15;05	15;05	15;05	15;05		15;05	
(symbol)	✓	✓	✓	✓		✓	
✋		✓					
(symbol)	✓	✓	✓	✓		✓	
(symbol)	✓	✓	✓	✓		✓	
⊕					✓		✓
◎							✓
D	D1	D2, D3				D4, D5	

P7	🧺❄	🧺❄	🧺1	🧺2	◎	🧺3	◎
⧖	6	15	3	3	2	3	6
🌡							
⅃	2	2	4	4		4	
👤	3	3	3	3	3	3	4
🧺	0	0	0	0		0	
↻	15;05	15;05	15;05	15;05		15;05	
(symbol)	✓	✓	✓	✓		✓	
✋							
(symbol)	✓	✓	✓	✓		✓	
(symbol)	✓	✓	✓	✓		✓	
⊕					✓		✓
◎							✓
D	D1	D2, D3				D4, D5	

P8	🧺❄	🧺40	🧺1	🧺2	🧺3	◎
⧖	6	12	3	3	3	6
🌡		40				
⅃	2	2	4	4	4	
👤	2	2	2	2	2	3
🧺	0	1	0	0	0	
↻	10;08	10;08	10;08	10;08	10;08	
(symbol)						
✋		✓				
(symbol)						
(symbol)	✓	✓	✓	✓	✓	
⊕						✓
◎						✓
D	D1	D2			D4, D5	

P9	〔1 ❄〕	〔11 ❄〕	〔〕₁	〔〕₂	〔〕₃	◎
⌛	6	10	3	3	3	4
🌡						
⅃	3	3	4	4	4	
〵	2	2	2	2	2	3
〔•〕	0	0	0	0	0	
◉	10;08	10;08	10;08	10;08	10;08	
(•)						
✊						
(•)						
∀	✓	✓	✓	✓	✓	
⊕						✓
⊘						✓
D	D1	D2			D4, D5	

P10	〔11 ❄〕	〔〕₁	〔〕₂	〔〕₃	◎
⌛	12	3	3	3	3
🌡					
⅃	1	4	4	4	
〵	2	2	2	2	2
〔•〕	0	0	0	0	
◉	05;15	05;15	05;15	05;15	
(•)					
✊					
(•)					
∀	✓	✓	✓	✓	
⊕					✓
⊘					✓
D	D2			D4, D5	

P11	〔11〕90	〔〕₁	◎	〔〕₂	◎
⌛	15	3	2	3	6
🌡	90				
⅃	1	3		3	
〵	3	3	3	3	4
〔•〕	1	0		0	
◉	15;05	15;05		15;05	
(•)	✓	✓		✓	
✊	✓				
(•)	✓	✓		✓	
∀	✓	✓		✓	
⊕			✓		✓
⊘					✓
D	D2, D3			D4, D5	

P12	〔11〕60	〔〕₁	◎	〔〕₂	◎
⌛	15	3	2	3	6
🌡	60				
⅃	1	3		3	
〵	3	3	3	3	4
〔•〕	1	0		0	
◉	15;05	15;05		15;05	
(•)	✓	✓		✓	
✊	✓				
(•)	✓	✓		✓	
∀	✓	✓		✓	
⊕			✓		✓
⊘					✓
D	D2, D3			D4, D5	

P13	🧺30	🧺1	◎	🧺2	◎
⏳	15	3	2	3	6
🌡	30				
⌐	1	3		3	
⚗	3	3	3	3	4
🧴	1	0		0	
🌀	15;05	15;05		15;05	
(🗜)	✓	✓		✓	
✋	✓				
(↻)	✓	✓		✓	
↻	✓	✓		✓	
⊕			✓		✓
↺					✓
D	D2, D3			D4, D5	
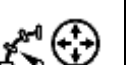
P14	🧺❄	🧺1	◎	🧺2	◎
⏳	15	3	2	3	6
🌡					
⌐	1	3		3	
⚗	3	3	3	3	4
🧴	0	0		0	
🌀	15;05	15;05		15;05	
(🗜)	✓	✓		✓	
✋					
(↻)	✓	✓		✓	
↻	✓	✓		✓	
⊕			✓		✓
↺					✓
D	D2, D3			D4, D5	

P15	🧺0	🧺65	🧺71	🧺1	◎	🧺2	◎	🧺3	◎
⏳	3	6	15	3	2	3	2	3	6
🌡		65	71						
⌐	3	1	1	3		3		3	
⚗	3	3	3	3	3	3	3	3	4
🧴	0	1	1	0		0		0	
🌀	15;05	15;05	15;05	15;05		15;05		15;05	
(🗜)	✓	✓	✓	✓		✓		✓	
✋			✓						
(↻)	✓	✓	✓	✓		✓		✓	
↻	✓	✓	✓	✓		✓		✓	
⊕					✓		✓		✓
↺									✓
D		D1	D2, D3					D4, D5	

P16	◎
⏳	6
⚗	4
⊕	✓
↺	✓

P17	◎
⏳	2
⚗	2
⊕	✓
↺	✓

4.4 Model parameters

	RPM Max	RPM 450G	MINIMUM 0,2V (rpm)	LOW 0,4V (rpm)	MEDIUM 0,5V (rpm)	HIGH 0,6V (rpm)	0,8V (rpm)	1V (rpm)	INTERMEDIATE 5V (rpm)	MINIMUM 3,5V (rpm)	NORMAL 5V (rpm)	MEDIUM 7,5V (rpm)	HIGH 10V (rpm)
LA-11	1000	1245	20	40	50	60	80	100	500	350	500	750	1000
LA-14	1000	1150	20	40	50	60	80	100	500	350	500	750	1000
LA-18	950	1080	19	38	47	57	76	95	475	332	475	712	950
LA-25	900	1035	18	36	45	54	72	90	450	315	450	675	900
LA-35	860	975	17	34	43	51	68	86	430	301	430	645	860
LA-45	840		16	33	42	50	67	84	420	294	420	630	840
LA-60	760		15	30	38	45	60	76	380	266	380	570	760
LA-120	680		13	27	34	40	54	68	340	238	340	510	680
LR -11	760		20	40	50	60	81	102	507	354	507	760	
LR -14	760		20	40	50	60	81	102	507	354	507	760	
LR -18	720		19	38	48	57	76	96	480	336	480	720	
LR -25	690		18	36	46	55	73	92	460	322	460	690	
LN -11	540		21	43	54	64	86	108	540	378	540		
LN -14	540		21	43	54	64	86	108	540	378	540		
LN -18	510		20	40	51	61	81	102	510	357	510		
LN -25	490		19	39	49	58	78	98	490	343	490		
LN -35	460		18	36	46	55	73	92	460	322	460		
LN -60	420		16	33	42	50	67	84	420	294	420		

EN

		LA								LR				LN					
		11	14	18	25	35	45	60	120	11	14	18	25	11	14	18	25	35	60
0	mm	13	16	14	6	7	-70	-70	-80	13	16	14	6	13	16	14	6	7	-70
1	mm	70	75	85	95	125	150	160	200	70	75	85	95	70	75	85	95	125	125
2	mm	90	105	115	125	155	190	210	250	90	105	115	125	90	105	115	125	155	155
3	mm	110	135	145	155	175	230	260	300	110	135	145	155	110	135	145	155	175	175
4	mm	130	165	175	185	205	270	310	350	130	165	175	185	130	165	175	185	205	205
5	mm	180	225	240	260	290	450	500	650	180	225	240	260	180	225	240	260	290	290
6	mm	40			20	40	10			40			20	40			20	40	40
7	mm	250	300	320	350	400	650	700	800	250	300	320	350	250	300	320	350	400	400
8	mm	35	40	45	50	65	75	80	100	35	40	45	50	35	40	45	50	65	65

(Level 0: Offset level, Level 6: Minimum safety level, Level 7: Maximum safety level, Level 8: Weighing level)

4.5 Template for customized programs

P									
⧗									
🌡									
⨆									
⊕									
D									

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5   CONFIGURATION

The main configuration menu of the washing machine is shown below. Here, it is possible to configure different washing machine parameters, and display or download stored data.

This menu is entered from the icon in the *Main screen* (see section 3.2.).
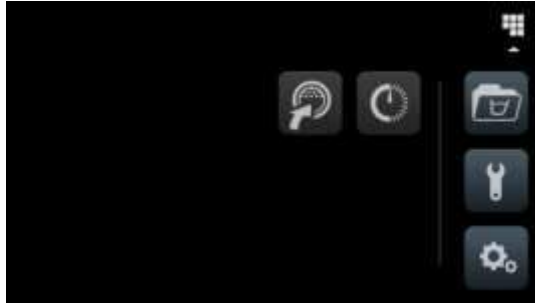
- Easy load: Option which helps load the laundry.

- **Delayed programming**: This allows a wash to be delayed so that it runs on the date/at the time required. On pressing the "delayed programming" button, the user is asked to enter the required date/time, and taken to a screen showing the programme date/time, together with the programme number and name. It is only possible to select to run the programme before the due time or to cancel the programming.

- **Programme management**: Management of all the stored programmes, and all the currently active programmes. (See section 5.1.).

- **Configure system**: Configuration of different sections of the washing machine. (See section 5.2.).

- **Maintenance**: Various password-protected options for the technician.

5.1   Programme management

From this submenu it is possible to manage all the programmes, both those selected by the user and those that are in the library. To do so, select between "Cycle library", "My programmes", and "Programme library".

Access: [Main screen]   ⟹   [Main Menu]

There is a library in which all the programmes and cycles are stored, including programmes stored by default and programmes created/imported by the user.

5.1.1 My programmes

The programmes in the folder "My programmes" are those which are available on the OPL Main Screen.

Press the button to add/remove programmes, and the screen goes to the programme library. Here, the programmes which are currently included in "My programmes" are highlighted, and it is possible to select/deselect each of the programmes to be added to/removed from the list of favourites.

Press the "arrow up" and "arrow down" buttons to change the position of any programme in the list of favourites, which can be put in any order as required.

Press the edit button to be able to modify the selected programme as if editing it from the programme library.

Press OK or Cancel to return to My Programmes.

5.1.2 Programme library

Programmes can be added, copied, modified or deleted, new programmes can be imported or programmes can be exported to a USB flash drive.

- **Create programme:** Creation of new wash programmes using cycles existing in the library. When this button is pressed, the user is asked to enter the name of the new programme. Next the following screen is displayed (without any cycles) in order to include cycles from the cycle library.

16:20   EDITAR / CREAR NUEVO
- 01 Fase de Programa
- 02 Fase de Programa
- 03 Fase de Programa
- 04 Fase de Programa
- 05 Fase de Programa

Cancel   OK

Cycles can be added from the cycle library. The cycles you wish to view can be filtered by cycle type. After selecting the cycle, the library cycle parameters can be consulted before including them in the programme you are creating.

16:20   NOMBRE DE FASE (EDITABLE)

15'   30°C   3   3   15 / 05

D1   30°C

Cancel   OK

Each programme is a set of parameters grouped by cycles that are not linked to any of the cycles found in the library.

- **Copy programme:** Copy of a programme found in the library, giving it a new name.

- **Modify programme:** Modification of the name of the programme and the cycles in the programme. It is possible to add, modify, delete or change the order of existing cycles.
  Just as when a new programme is created, when it is modified it is possible to add/delete cycles from the cycle library.
  When creating programmes, the cycle parameters can only be consulted. The cycles already in the programme can only be modified when modifying the programmes.

- **Delete programme:** Delete programmes stored in the library.

- **Import programme:** Permits new programmes to be imported from a USB flash drive.
  When the USB is opened, only files with the extension ".prg" are displayed, in addition to the folders. There is a button for selecting all the programmes in the currently open folder.
  If a programme is imported with the same name as an existing programme, you will be asked whether you wish to replace the programme in question or cancel the operation. As there may be many programmes in this situation, there is a box to select "do the same in all cases".

- **Export programme:** Export programmes existing in the library to a USB flash drive.

16:20   IMPORT / EXPORT
- 01 Programa   ≡ 106
- 02 Selected to export
- 03 Selected to export
- 04 Programa
- 05 Selected to export

Cancel   OK

It is possible to select the programmes you wish to export.

It is possible to select all the programmes or the programmes which are saved in favourites, indicating the number of programmes selected at all times.
The set of programmes selected will be saved in a folder "PROGRAMMES" in the USB root directory and each programme will be a file.

5.1.3 Cycle library

The name of each cycle can be modified from the cycle library. Once included in a programme, when displaying the cycle information, the name displayed for the cycle will be different. It will be a dynamic name consisting of the phase type and a parameter (Temp, rpm).

The cycle library will be editable, and the existing cycles can be created, modified, copied or deleted.

5.2 Configure System

Access: [Main screen] ▦ ⟹ [Main Menu] ⚙

The following sections can be modified in the system configuration:

- 🌐 **Language**: The washing machine texts can be displayed in 34 different languages, although the texts can only be edited using Western character sets.

- 🕐 **Time**: Configuration of the current time. The display format (12 hour / 24 hour (default setting)) can be selected.

- 📅 **Date**: Configuration of the current date. The display format (dd/mm/yyyy (default setting) / yyyy/mm/dd / mm/dd/yyyy) can be selected.

- 🌡 **Units of measurement**: The unit of measurement in which the temperature (ºC (default setting) or ºF), the weight (Kg (default setting) or lb) and the size (mm (default setting) or in) can be selected.

- ✋ **Thermal stop**: General configuration of the thermal stop. If this is disabled, the thermal stop does not take place even if this parameter is active in the currently running cycle. If, however, it is enabled, the configuration of each cycle is respected and the consequent action is taken. By default it is active.

- ⚖ **Water saving by weight**: The required water saving for the weight can be configured. Three different options can be selected (1 feather: low saving, 2:medium, 3:high).
Depending on the load, there will be a reduction in the water level and detergent dose.

- 🔲 **Levels**: This enables the configuration in mm of the 5 configurable levels. Each level type will have a default value and configuration range. These values will depend on the model selected. (See table of levels by model)

- 🔧 **Speed**: This enables the configuration in RPM of the different types of speed existing, in both the wash and spin cycles. Each speed type has a minimum and maximum configuration value. (See table of RPM/V equivalences by model)

- **Import/Export Configuration**: It is possible to import a machine configuration from a USB memory stick or to export the current machine configuration to a memory stick. When this button is pressed, an intermediate window is displayed where we select whether to import or export (as in programmes).

  If IMPORT is selected, the same window as in programmes is displayed in order to browse through the USB, but only configuration files (with extension .cfg) can be selected.

  If EXPORT is selected, the current machine configuration is saved to the USB root directory in the folder "CONFIGS". Each configuration file name will take the following format: CONFIG_Model_Date_time.cfg.

- **Advanced configuration**
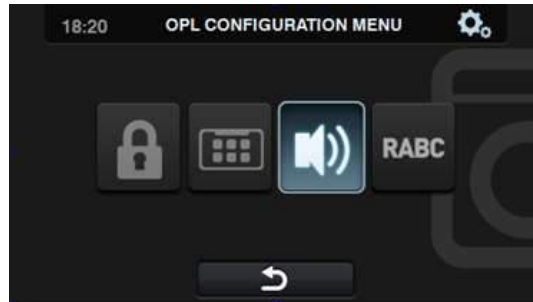
  - **Restricted access**: This allows the washing machine configuration to be restricted, by establishing a password to enter the main menu. The default setting is deactivated.

    The required password (1234 by default) for entering the main menu can be configured. There is also a master password in the event that the user forgets the established password (0777).

  - **HUD**: The HUD configuration activates/deactivates the display of the parameters on the different screens.

  - **Beep**: Option permitting the buzzer to be disabled. By default it is enabled.

  - **RABC/Traceability**: The information for each wash is registered, and the following information saved:

    At the start of each cycle: Programme, start time, weight (where applicable). During the programme, every 15 seconds: Level, temperature and error (where applicable). When downloading the data, the required period must be selected (by default, start date and end date, today's date).

    The data will be saved for a minimum of 15 days.

    Each time there is a download, an "RABC" will be created in the USB root directory. Each RABC file name will take the following format: RABC_Model_Date_time.rabc.

5.2.1 HUD configuration

Configuration of the parameters to be displayed on the OFF screen, main screen and run screen, in addition to configuration of the automatic shutdown and energy saving.

Access: [Main screen] ⟹ [Main Menu] ⟹ [Configure system]

⟹ [Advanced configuration]
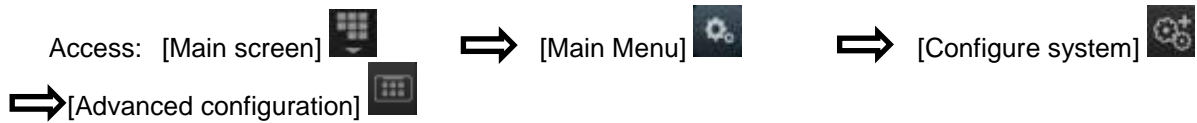
- **OFF screen**: These are the parameters that can be configured:

  - o Machine identifier: The machine identifier can be enabled/disabled, and the number to be allocated to the identifier can be edited (between 1 and 99). By default it is disabled.
  - o Date: Option that can be enabled/disabled. By default it is enabled.
  - o Logo: This allows the user to select whether or not to display the logo. By default it is enabled.
  - o Laundrette message: Start message that can be edited by the user (max. 40 characters). By default it is disabled.

- **Main screen**: The configurable parameters are listed below:

  - o Time: Option permitting time to be displayed/hidden. By default it is enabled.
  - o Weight of clothes. If this option is disabled, the weight icon is not displayed. By default it is disabled.
  - o Instant programming. If instant programming is disabled, the parameters for each cycle can be viewed but cannot be edited. By default it is enabled.

- **Run screen**. These are the options permitted on the run screen:

- o Time: Option permitting time to be displayed/hidden. By default it is enabled.
- o Remaining time: Option to display/hide the total time remaining and the programme progress indicator on the run screen. By default it is enabled.
- o Stop button, STOP: This allows the stop button to be hidden. By default it is enabled.
- o PAUSE button: This allows the pause button to be hidden. By default it is enabled.
- o Menu button. Option that permits the run menu icon to be displayed/hidden, by default it is enabled.
- o Advance button: This permits the advance button and the information referring to the next cycle to be hidden. By default it is enabled.

- **Automatic shutdown**: If this option is activated and the main screen is open, the machine will switch to *Screen Off* after 30 minutes of inactivity. By default it is enabled.

- **Energy saving**: Option that enables energy savings by switching off the screen backlight 10 minutes after switching off the washing machine. If any part of the screen is touched, the backlight will light up again. Likewise, if the ON/OFF button is pressed, the backlight comes on and the *Main screen* is opened. By default it is enabled.

6 MAINTENANCE

6.1 Electrical and mechanical irregularities

Before calling the Technical Service Centre, check the following:

- That power is supplied to the machine.
- The condition of the fuses.
- That the voltage is correct for the machine.

If the washing machine fails to get the required level of water, check:

- The water mains tap is open.
- The water inlet filter is not blocked.
- That the water pressure is between 2 and 4 kg/cm 28 (28 and 56 psi).

If the washing machine vibrates excessively, check that none of the panel screws is loose.

If a power cut occurs, check that the tub is drained and the door is blocked. If you want to take the clothes out of the washing machine, unlock the door by pulling down the belt located behind the front panel.

6.2 Warnings

All warnings and errors are reported on screen together with an acoustic alarm. In the event of an error, the cycle and status information is maintained in order to determine exactly where the error has occurred.

The following warnings may be found in a washing machine:

DESCRIPTION	CAUSE AND ACTION
OPEN DOOR	If the door is open at the start of a programme, the message "DOOR OPEN" is displayed on screen and the buzzer will buzz for 30 seconds and no more. Only the option "OK" is given. The programme will not start and the user can try again.
WATER IN TUB	At the end of a programme, if the water level is not 0 mm, the message "WATER IN TUB" is displayed on screen. The 2 options "continue" or "end" are displayed. If we press "continue" the machine checks again for a level of 0 mm. If this is the case, the door is unlocked, if not the error is reported again. If we press "end", the programme will end and the door unlocks.
SWITCH OFF MACHINE	When a programme is running, if the ON/OFF button is pressed, the message "SWITCH OFF MACHINE" is displayed with the text "Programme running. Switch off machine?" OPL actions: The 2 options "cancel" or "OK" are displayed. If "OK" is pressed, the machine will switch off in the programme normally. The open door warning will be given and go off after 3 seconds. If we press "cancel", the programme will continue to run from the point at which it left off.
NO COMMUNICATION BETWEEN CARDS	In the SAT menu, in the Extra Kit section, on activating a kit, if no communication is detected between the principal control card and the auxiliary card, this warning is displayed. Active kits without communication between cards can be deactivated, but they cannot be activated.
FULL TANKS (T1/T2/T3)	This warning is displayed when Tank Tx is active in a drainage cycle and the input "Max level Tank x" is found to be activated. The machine stops draining to Tx and switches to normal drainage D1. Buzzer is activated for 10 seconds. The warning disappears on pressing OK or after a certain time interval.

EMPTY TANKS (T1/T2/T3)	This warning is displayed when Tank Tx is active in a fill cycle and the input "Min level Tank x" has been activated. The machine stops filling from Tx and switches to filling normally with cold water. Buzzer is activated for 10 seconds. The warning disappears on pressing OK or after a certain time interval.
NO COMMUNICATION WITH WEIGHING KIT	This warning is displayed if, on activating the weighing kit or making a calibration, the auxiliary card is connected and operating correctly, but it is not possible to communicate with the weighing appliance. It is not possible to activate the kit or make the calibration.
CALIBRATION OF WEIGHING KIT – ENSURE MACHINE IS EMPTY	This warning is displayed on launching a calibration of the weighing kit, in order to inform the user that the machine must be empty, with no additional weights on top, etc., before launching a calibration. None. Warning is for information only. "OK" button to hide warning and launch calibration.
CALIBRATION OF WEIGHING KIT – PROCESS UNDER WAY	This warning is displayed while the weighing kit calibration is in process. None. Warning is for information only. There is no button and the text is displayed for 5 seconds while the calibration is in process.
CALIBRATION OF WEIGHING KIT – CALIBRATION ERROR	This warning is displayed when, on completion of the calibration process, it has not been possible to set the weighing system to zero correctly. None. Warning is for information only. "OK" button to hide warning.
CALIBRATION OF WEIGHING KIT – CALIBRATION REQUIRED	This warning is displayed when, on pressing "Start" to run a wash programme, a weight 3 Kg less or 10 Kg more than the nominal weight is measured. The 2 options "Cancel" or "OK" are displayed. Press "OK" to continue with the programme with the nominal weight. Press "Cancel" to abort the programme.
EASY LOAD – LAUNCH PROCESS	This warning is displayed on pressing the Easy Load button on the main screen. The user will be told to insert the laundry and close the door and then asked if they wish to launch the Easy Load cycle. The 2 options "Cancel" or "OK" are displayed. Press "Cancel" to abort the Easy Load cycle and return to the selection screen. Press "OK" to launch the Easy Load cycle.
EASY LOAD – CYCLE RUNNING	This warning is displayed while the Easy Load cycle is running, advising the user that it is in process. No buttons are available. Message is solely for information; the user can do nothing except wait for the cycle to end.

The following errors may be found in a washing machine:

ERROR	DESCRIPTION	CAUSE AND ACTION
E1	POWER CUT DETECTED	When the power supply is restored after a power cut has been detected while a programme is running. The options "continue" or "end" are displayed. If continue is pressed, the cycle that was running when the power cut occurred will continue, starting from the beginning of the cycle again. If "end" is pressed, the programme will end, and the door is unlocked.
E2	FAULT IN LOCKING	The machine detects that the door cannot be locked at the start of a programme or that it has unlocked during the programme. This error occurs after 3 attempts to lock the door every 20 seconds. The programme will end and the user can try again.
E3	DRAINAGE FAILURE / WATER IN TUB	The machine detects that although the "EV drain" or "EV drain 2" output is activated, the water level in the washing machine tub does not reach "0" within 10 minutes (time can be configured). The 2 options "continue" or "end" are displayed. If we press continue, the machine will continue trying to drain but at the end of the established time, the error message will be displayed again. If we press "end", the door unlocks but the following warning is given "WATER IN TUB".
E4	MAXIMUM WATER LEVEL REACHED	If, while a programme is running, a water level is detected which is 80 mm (fixed value for all models) higher than the maximum safety level. At this moment, drainage will start through drainage 1. The option "OK" is given. If this is pressed, the programme will end after the machine has been completely drained, and the door is unlocked.
E5	FAULT WATER INLET	The machine detects that although the corresponding solenoid valve outputs are activated, the water level in the washing machine has not risen 1 mm in 5 minutes (time can be configured). The 2 options "continue" or "end" are displayed. If we press continue, the machine will continue trying to fill but at the end of the established time, the error message will be displayed again. If we press "end", the programme will end and the door unlocks.
E6	HEATING FAULT	The machine detects that, in spite of activating the heating output, the water temperature has not increased by 1ºC within 30 minutes. It is possible to cancel this error. In this case, instead of triggering an error, the machine will continue running as if the temperature had been reached. The 2 options "continue" or "end" are displayed. If we press continue, the machine does not continue trying to heat the water and the cycle continues as if the temperature had been reached. If there are more heating phases in the same programme, the error will be detected again. If we press "end", the programme will end and the door unlocks.
E7	"MAXIMUM TEMPERATURE REACHED"	The machine detects that the water temperature has exceeded 95 ºC. Only the option "end" is given. When it is pressed, the programme will end, and the door is unlocked if the temperature is less than 50º. If this is not the case, the E11 error is triggered: CLOTHES HOT.
E8	MOVEMENT ERROR	The speed sensor does not detect any movement, after the variator has been ordered to turn the motor (M/P active). There may be several reasons (variator incorrectly wired, sensor incorrectly fitted, sensor cable broken or poorly connected, belt not assembled…). The warning "The programme will end" is displayed and after 2 minutes, the OK button is shown. Press this to end the programme.

E9	UNBALANCED LOAD	This message appears when the unbalanced load micro switch is activated once during the spin cycle. Only the option "end" is given. When this is pressed, the programme will end, and the door is unlocked. In addition, the text "TRY TO REDISTRIBUTE LOAD" appears in the error message.
E10	MAX UNBALANCED LOAD	The unbalanced load micro switch is activated once during the spin cycle. Only the option "end" is given, the programme ends, and the door is unlocked when this button is pressed.
E11	CLOTHES HOT	A programme execution finishes but the water temperature inside the tub exceeds 50 ºC. The 2 options "continue" or "end" are displayed. If we press continue, the machine again checks the temperature, unlocking the door only if it has dropped below 50ºC. The same message is displayed again if the temperature has not decreased. If we press "end", the programme will end and the door unlocks.
E12	UNLOCK ERROR	The machine detects that the door cannot be unlocked at the end of a programme. This error occurs after 3 attempts to unlock the door every 20 seconds. Only the option "end" is given. When this option is pressed, the machine repeats the 3 attempts to unlock and if it cannot unlock the door the error is given with the following text: "DO NOT FORCE THE DOOR. CALL THE TECHNICAL SERVICE".
E13	MODEL ERROR	On trying to select the model, the machine does not detect an activated range input (low, medium, high, sanitary) or more than one range is activated. The option "back" is given to exit the menu, returning to the screen where the model code is entered.

E14	WEIGHING ERROR	This error is detected in the following cases:
		  o Both during selection and while running, if the two pressure switches ("Front Pressure Switch" and "Rear Pressure Switch") are open.
		  o If, while running, either of the pressure switches is open.
		  o If during selection or while in tilt mode, the two inputs of the external control command "Forward Tilting" and "Backward Tilting" are closed.
		  o If while running a programme, communication is lost between the control and auxiliary cards,
		the option "OK" is displayed. If the machine is currently running a programme, this will be ended.

E15	FRONT INFLATION ERROR	While the weighing kit is active, when the output "front inflation" is activated and the input "Front pressure switch" is not opened for 5 minutes.
E16	REAR INFLATION ERROR	While the weighing kit is active, when the output "rear inflation" is activated and the input "Rear pressure switch" is not opened for 5 minutes.
E23	WEIGHING ERROR	On pressing "Start" to run a programme, if the auxiliary card is connected and communicating correctly, and it is not possible to communicate with the weighing appliance, this error is displayed. The two options "OK" or "Cancel" are displayed. Press "Cancel" to abort the programme and return to the selection menu. Press "OK" to continue running the programme with the nominal weight value of the machine.

E25	CONTROL-CONTROL AUX COMMUNICATION ERROR	At the start of the running of a programme, if any of the kits (tilting, weighing, water tanks or extra dosing) is active and no communication is detected between the main control card and the auxiliary card. ○ If "Cancel" is pressed, the programme will be ended. If "OK" is pressed, the programme will run but without any of the kits in operation. ○ If communication between the cards is lost while the programme is running, the kits will not function but in this case no error message is displayed.
E26	MOTOR HOT WIRE / VARIATOR ERROR	This error occurs when at any time of the execution of a program, the entry "Thermal Motor" is opened. Only the option "end" is given, the programme ends, and the door is unlocked when this button is pressed.
E27	ERROR NTC OUT OF RANGE	This error occurs when a temperature value is measured that is above the configured range (currently the maximum valid value is 110 ºC). This means that the NTC is broken or disconnected. On detecting that the NTC is out of range, "- -" is displayed instead of the temperature value. The 2 options "OK" or "Cancel" are displayed. Press "OK" to continue with the programme as if the temperature had been reached and consequently skip the heating phase. Press "Cancel" to end the programme, and unlock the door.
E28	ERROR PRESSURE SENSOR OUT OF RANGE	This error occurs when a voltage value is measured of less than 0.4 V or more than 3.8 V. This means that the pressure sensor is broken or disconnected. This error will not display any buttons and it is only possible to abort by switching off the machine.

7 NAVIGATION CAM

SCREEN OFF OPL
Date
Time
Laundrette message
Logo
Machine identifier

MAIN SCREEN OPL
Machine identifier
Time
Weight of clothes (If weigh clothes is active)
MAIN MENU
Programme name
Programme temperature
Programme number (My programmes)
Programme length
Increase/decrease programme number
Start
Programme cycles (Instant Programming)

RUN SCREEN OPL
Machine identifier
Time
RUN MENU
Programme name
Programme number
Programme length
Remaining time
Progress indicator
Status (drawing+text)
Currently running cycle
Next cycle
Advance cycle
Pause
Stop
Display warnings/errors

MAIN MENU
Delayed programming (Select Time)
PROGRAMME MANAGEMENT
CONFIGURE SYSTEM
MAINTENANCE
Easy load

RUN MENU
View inputs
See outputs
View settings/true values (Level, Temp, T Remain)
Manual dosing

PROGRAMME MANAGEMENT
LIBRARY
MY PROGRAMMES

CONFIGURE SYSTEM
Language
HUD/SOUND
Import/export config.
GENERAL

LIBRARY
Create/Copy/Modif/Delete prog./cycles
Import programmes
Export programmes

MY PROGRAMMES
Select Active programmes
Create/Modify programmes

HUD/SOUND
HUD
Beep (On/Off)
RABC (Download period)
Restricted access

GENERAL
Date/Time
Temperature scale (ºC/ºF)
LEVELS
SPEED
Weighing coefficient (If weight is active)
Thermal stop (Yes/No)
Software version
Update software (via USB)

HUD
Screen OFF / Standby
Main screen
Run screen
Automatic shutdown (On/Off)
Energy saving (On/Off)

LEVELS
Minimum level
Low level
Medium level
High level
Maximum level

SPEED
Minimum
Low
Normal
Height

SELF SERVICE V1.5

1   INTRODUCTION

This section lists the characteristics which are exclusive to self-service washing machines. The safety warnings must be read and it is advisable to read the rest of the manual in order to fully understand how the machine operates.

2   INTERFACE

2.1   Selection Screen 1 - Buttons

When the machine is switched on, *Selection Screen 1* is displayed. There are 4 large fixed buttons on this screen for selecting wash programmes.

1. **Machine identifier**: The label identifying the appliance based on the existing configuration is displayed (if enabled).
2. **Time**: The current time is displayed in the format selected by the user.
3. **Programme name**: Name configured for the selected programme.
4. **Programme length**: Estimated length, in minutes, for the selected programme.
5. **Programme temperature**: Maximum temperature of the different cycles of the programme.
6. **Price:** Only in Coin mode, in CP and CR mode the price is not displayed and an LED is shown in its place.

If there are more than 4 programmes in favourites, the lateral navigation arrows permit the next programme selection screen to be displayed. A maximum of 16 favourite programmes can be displayed (4 screens of 4 buttons each).

Payment may be made in this first screen. When the cost of the programme has been reached, the price disappears and an LED lights up indicating that the programme is ready to be run.

Press a programme button to go to "*Selection Screen 2 – Payment*".

On completion of a programme, the machine returns directly to this screen.

In addition, even if the screen has been touched, or money has been inserted, if there is no activity within 15 minutes, the machine returns to this screen, resetting the amount which might have been inserted.

2.2   Selection Screen 2 - Payment

This screen offers the same information as in the previous screen, but only for the selected programme, accompanied by pictures and text to help. There are also two browser buttons for changing the programme.
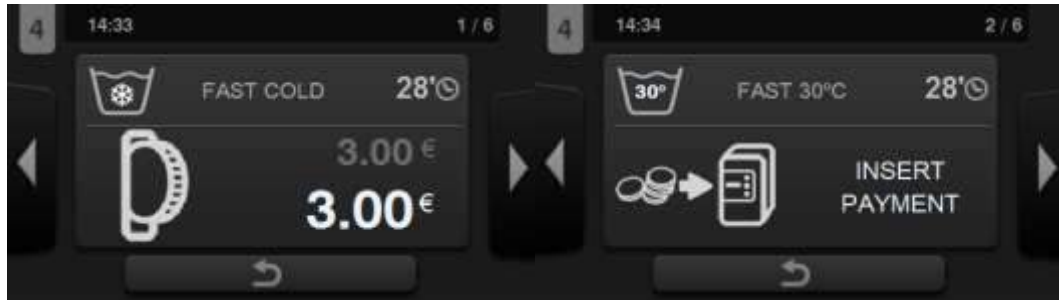
The button is displayed in grey as long as no coins have been inserted. Once coins have been inserted, the picture zone and the price are displayed in brown. When the programme amount has been inserted, a large "Start" button is displayed in green.

It is still possible to change the programme using the browser buttons. If there is no activity for 15 minutes, the amount inserted is reset, the money is lost and the machine returns to the screen "*Selection 1 – Buttons*".

On pressing the "Start" button, the selected programme starts to run.

2.3. Coin pulses and "Credit mode"

To run any programme, the corresponding payment must first be made. Depending on the existing self-service configuration, the machine controls the insertion of coins (COIN mode) or receives the corresponding signal in CP or CR mode via the "coin slot micro" input to allow the selected programme to run.

While in self-service mode (both on selection screen 1, and screen 2, shown as running a self-service programme), it is possible to enter **"Credit mode"**. If the "top open" input is activated, a password is requested to enter in "Credit mode".

When the machine enters "Credit mode", it automatically exits self-service mode and behaves as if it were in normal mode, displaying the information defined on the *OPL Main Screen* and offering the option to perform all the actions defined on this screen. The programmes selected for self-service and the programmes defined for Credit Mode are displayed.

On going to the main menu, all the available options for self-service washing machines are displayed.

If the "top open" input is deactivated, the machine exits from "Credit mode" automatically. If the machine is in a secondary screen of the main menu (configuration, maintenance…) and it exits "Credit Mode", it acts as if it were in this mode until exiting the *Main Menu* (saving the changes). Once the machine has reached the *Main Screen*, it exits credit mode.

2.4 Run Screen

When START is pressed, the programme begins and the *Run Screen* is displayed.

While in run mode, it is also possible to enter "Credit mode" as described above. If this mode is entered, it automatically exits self-service mode and behaves as if it were in OPL mode, displaying the information defined on the *OPL Run Screen* and offering the option to perform all the actions defined on this screen.

In self-service mode, the option to forward or pause the programme does not exist unless "Credit mode" is entered.

Nor is the STOP button for aborting a programme there by default, although it can be activated using the HUD.

If the STOP button is pressed, there is a grace period during which it is possible to abort a programme without losing the credit inserted. If the programme is aborted twice during the grace period, the credit will be lost.

At the end of the grace period, to abort the programme it is necessary to hold the button down for 3 seconds, and any credit will be lost.

1. **Machine identifier**: Label identifying the machine.
2. **Time**: Time and minutes in the selected format.
3. **Programme name**: Name configured for the selected programme.
4. **Programme number and length**: Position of the programme in the list of programmes (My Programmes), and the estimated length in minutes for the programme selected.
5. **Programme progress indicator**: Status of programme progress, relation between total time and time remaining for programme.
6. **Status (drawing)**: Animated drawing showing the current cycle of the washing machine (filling, draining, washing, rinsing, spinning or untangling).
7. **Currently running cycle**: Identifier and name of currently running cycle.
8. **Stop** (default setting disabled): Button to stop and cancel the programme. A confirmation message will be requested.

3   PROGRAMMES

There is a programme library consisting of all the programmes installed by default, together with the programmes created by the user.

3.1   Programme library

These are the programmes that are found by default in the programme library:

P1: Fast cold wash
P2: Fast wash 40ºC
P3: Fast wash 60ºC
P4: Fast delicates

P1	W ❄	⊔1	⊔2	⊔3	◎
⏳	8	2	2	2	6
🌡					
⬏	1	3	3	3	
⤢	3	3	3	3	4
♒	0	0	0	0	
◉	15;05	15;05	15;05	15;05	
(♒)	✓	✓	✓	✓	
✋					
(v)	✓	✓	✓	✓	
v	✓	✓	✓	✓	
⊕					✓
◯					✓
D	D2, D3			D4, D5	

P2	W 30	⊔1	⊔2	⊔3	◎
⏳	8	2	2	2	6
🌡	30				
⬏	1	3	3	3	
⤢	3	3	3	3	4
♒	1	0	0	0	
◉	15;05	15;05	15;05	15;05	
(♒)	✓	✓	✓	✓	
✋					
(v)	✓	✓	✓	✓	
v	✓	✓	✓	✓	
⊕					✓
◯					✓
D	D2, D3			D4, D5	

P3	W 60	⊔1	⊔2	⊔3	◎
⏳	8	2	2	2	6
🌡	60				
⬏	1	3	3	3	
⤢	3	3	3	3	4
♒	1	0	0	0	
◉	15;05	15;05	15;05	15;05	
(♒)	✓	✓	✓	✓	
✋					
(v)	✓	✓	✓	✓	
v	✓	✓	✓	✓	
⊕					✓
◯					✓
D	D2, D3			D4, D5	

P4	W ❄	⊔1	⊔2	⊔3	◎
⏳	8	2	2	2	6
🌡					
⬏	2	4	4	4	
⤢	2	2	2	2	3
♒	0	0	0	0	
◉	08;06	08;06	08;06	08;06	
(♒)	✓	✓	✓	✓	
✋					
(v)	✓	✓	✓	✓	
v	✓	✓	✓	✓	
⊕					✓
◯					✓
D	D2, D3			D4, D5	

4 CONFIGURATION

4.1 Programme management

If the washing machine is configured in self-service mode, only the first 16 programmes will be available, the remaining programmes become available on entering Credit Mode.

4.2 Configure System

4.2.1 Advanced configuration

- **Credit Mode**: If the washing machine is in self-service mode, the password for Credit Mode (1234 by default) can be configured. Make a note of the password in a safe place. If you lose it, please contact the technical support service.

- **HUD**: In self-service mode, it is also possible to configure the *Main screen* (first and second selection screens) and the *Run screen*. (See section 2.).

- **Beep**: Option permitting the buzzer to be disabled. By default it is enabled.

- **RABC/Traceability:** See advanced OPL configuration. In self-service mode, this should function in the same way.

- **Grace Period:** When this button is pressed, an intermediate screen is displayed from where it is possible to activate or deactivate the grace period and edit the value between 1 and 99 minutes (the default setting is enabled and 1 minute).

- **Self-service statistics**: This provides data about payments and the number of times each of the favourite programmes is run.
When the self-service statistics button is pressed, the following screen is displayed.
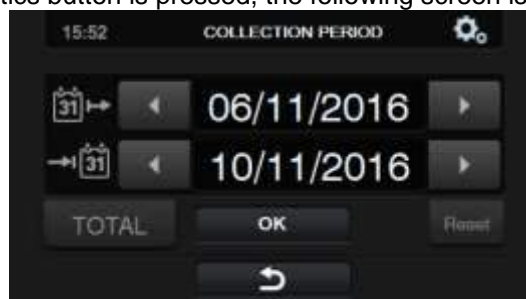
Press "TOTAL" to display the total values for the machine. If a date is entered, the statistics are only shown for this period. Press "Reset" to set all the values to 0, resetting the statistics.

- **Currency**: Select currency with which you wish to operate (see section 4.2.3.). If the currency is changed, all the prices will be reset, by default to token.

- **Payment Method**: There are 3 different modes for operating in self-service mode.

    - **COIN**: The currency and price of each programme must be configured, using the coin slot pulses to enable a set programme to be run.

    - **Central Payment**: The washing machine receives a pulse from a payment centre to release the washing machine and permit a programme to be run. Default setting.

    - The currency, price and price programming options are disabled.

    - **Card reader**: Same compartment as the "Central Payment" option. The currency, price and price programming options are disabled.

- **Prices**: The prices of all the selected programmes can be configured in "My Programmes". The minimum value of the programme will be the multiple defined in the currency, and the maximum will be 100 times the value of the multiple. The default setting is the minimum configurable value.

- **Price programming**: In addition to the basic price configuration, it is possible to define a price programming. That is, periods of specific time for which you wish to change the defined programme price. Maximum, 10 simultaneous programmings.

The programmed prices are valid for the configured time slot. The prices return to the general prices outside the configured time slot.

If there is a conflict between different programmings, the condition of the first plan will be applied. In addition, plans can only be created from the current date.

On pressing "+" to create a new plan, these are the fields that must be completed when preparing a programming:

- **Date:** Time period in which programming is to be made.
- **Start/end time:** Start and end time of the programming.
- **Programme(s) & Prices:** Price or discount to be allocated to each of the existing programmes in "My Programmes".
  A set price can be allocated or a discount applied to the selected programmes.
- **Calendar**: Within the selected time period, days on which the programming is to be applied.
- **Import**: In addition to entering the fields one by one, it is also possible to import an existing plan from a USB memory stick.
  If IMPORT is selected, the same screen as in programmes is displayed in order to browse through the USB, but only plan files (with extension .plan) can be selected. It is only possible to import one plan when importing.
  On pressing OK and importing the plan, the display returns to the main window of price plans.

On pressing the number of an active plan, a summary of the configured parameters is displayed.

The parameters described above can be changed one by one by pressing the corresponding button. In addition, there is an "Export" button for exporting this plan (in a file with a .plan extension) to the root directory of the USB memory stick.

The price plan sheets are saved in a folder called "PRICE PLANS" in the USB root directory.

Each price plan sheet is named in the format: PLAN_No_Date_time.plan (PLAN_3_20151029_112346.plan for example).

4.2.2 HUD programming

- **Main Screen**: This applies to both self-service selection screens. This allows the following parameters to be configured:

  - o **Machine identifier**: The machine identifier can be enabled/disabled. By default it is disabled.
  - o **Time**: Display/hide current time. By default it is enabled.

- **Run Screen**: The configurable options are listed below:

  - o **Time**: Option permitting time to be displayed/hidden. By default it is enabled.

- o **Remaining time**: Option to display/hide the total time remaining and the programme progress indicator. By default it is enabled.
- o **Machine identifier**: The machine identifier can be enabled/disabled. By default it is disabled.
- o **STOP**: This allows the stop button to be displayed. By default it is disabled.
- o **Remaining time**: Option to display/hide the total time remaining, the programme progress indicator and the number and total programme length on the run screen. By default it is enabled.

4.2.3 Table of currencies

This is the table of all the currencies available with the corresponding symbol and pulse (multiple):

COUNTRY	CURRENCY	SYMBOLS	SYMBOL	Value /PULSE
Token	Token	**TOK**	$	1
Kuwait	Kuwaiti Dinar	**KWD**	د.ك	0.05
Oman	Omani Rial	**OMR**	ر.ع.	
Azerbaijan	Manat	**AZN**	m	0.1
Bulgaria	Lev	**BGN**	лв	
Bahrain	Bahraini Dinar	**BHD**	د.ب.	
China	Chinese Yuan	**CNY**	¥	
Malaysia	Ringgit Malayo	**MYR1**	RM	
Panama	Panamanian Balboa	**PAB**	B	
Argentina	Argentine Peso	**ARS**	$	0.25
Bermuda	Bermudian Dollar	**BMD**	BD$	
Brazil	Real	**BRL**	R$	
Canada	Canadian Dollar	**CAD**	C$	
Egypt	Egyptian Pound	**EGP**	ج.م	
Ethiopia	Ethiopian Birr	**ETB**	Br	
Guatemala	Quetzal	**GTQ**	Q	
Cayman Islands	Cayman Islands Dollar	**KYD**	$	
Saudi Arabia	Saudi Riyal	**SAR**	ر.س	
El Salvador	Salvadoran Colon	**SVC**	₡	
Turkey	Turkish Lira	**TRY**	YTL	
United States	US Dollar	**USD**	$	
United Arab Emirates	UAE Dirham	**AED**	د.إ	0.5
Bolivia	Boliviano	**BOB**	Bs	
Estonia	Estonian Kroon	**EEK**	EEK	
Euro-Countries	Euro	**EUR**	€	
United Kingdom	Pound sterling	**GBP**	£	
Georgia	Lari	**GEL**	ლარი	
Ghana	Ghanaian Cedi	**GHS**	GHS	
Croatia	Croatian Kuna	**HRK**	kn	
New Zealand	New Zealand Dollar	**NZD**	$	
Qatar	Qatari Riyal	**QAR**	ر.ق	
Ukraine	Ukrainian Hryvnia	**UAH**	$	
Singapore	Singapore Dollar	**SGD**	S$	
Malaysia	Malaysian Ringgit	**MYR**	RM	

Bosnia and Herzegovina	Convertible Mark	**BAM**	KM	
Bangladesh	Bangladeshi Taka	**BDT**	Tk	
Switzerland	Swiss Franc	**CHF**	CHF	
Dominican Republic	Dominican Peso	**DOP**	RD$	
Hong Kong	Hong Kong Dollar	**HKD**	HK$	
Israel	Israeli Shekel	**ILS**	₪	
India	Indian Rupee	**INR**	Rs.	
Sri Lanka	Sri Lankan Rupee	**LKR**	ரூ	
Morocco	Moroccan Dirham	**MAD**	د.م.	
Macedonia	Macedonian Denar	**MKD**	MKD	
Peru	Peruvian Nuevo Sol	**PEN**	S/.	1
Poland	Polish Zloty	**PLN**	zł	
Russian Federation	Russian Ruble	**RUB**	руб	
Sweden	Swedish Krona	**SEK**	kr	
Thailand	Thai Baht	**THB**	฿	
Tunisia	Tunisian Dinar	**TND**	د.ت	
Uruguay	Uruguayan Peso	**UYU**	$	
Serbia	Serbian Dinar	**RSD**	дин.	
South Africa	South African Rand	**ZAR**	R	
Australia	Australian Dollar	**AUD**	$	
Czech Republic	Czech Koruna	**CZK**	Kč	
Denmark	Danish Krone	**DKK**	kr	
Kenya	Kenyan Shilling	**KES**	KSh	
Mexico	Mexican Peso	**MXN**	$	5
Norway	Norwegian Krone	**NOK**	kr	
Romania	Romanian Leu	**RON**	L	
Philippines	Philippine Peso	**PHP**	$	
Algeria	Algerian Dinar	**DZD**	جد	
Guyana	Guyanese Dollar	**GYD**	GY$	
Hungary	Hungarian Forint	**HUF**	Ft	
Iceland	Icelandic Krona	**ISK**	kr	10
Kazakhstan	Kazakhstan Tengue	**KZT**	T	
Taiwan	Taiwanese Dollar	**TWD**	NT$	
Chile	Chilean Peso	**CLP**	$	
Costa Rica	Costa Rican Colon	**CRC**	₡	
Iran	Iranian Rial	**IRR**		50
Paraguay	Paraguayan Guarani	**PYG**	$	
French Polynesia	French Pacific Franc	**XPF**	F	
Colombia	Colombian Peso	**COP**	$	
Indonesia	Indonesian Rupee	**IDR**	Rp	
Japan	Japanese Yen	**JPY**	¥	
South Korea	Korean Won	**KRW**	₩	100
Uganda	Ugandan Shilling	**UGX**	USh	
Venezuela	Venezuelan Bolivar	**VEF**	Bs.	

5 MAINTENANCE

5.1 Errors

The errors with different actions for Self-service are listed below. The others are the same.

ERROR	DESCRIPTION	CAUSE AND ACTION
E6	HEATING FAULT	The machine detects that, in spite of activating the heating output, the water temperature has not increased by 1ºC within 30 minutes. It is possible to cancel this error. In this case, instead of triggering an error, the machine will continue running as if the temperature had been reached. A warning is displayed but the machine does not stop. It continues with the programme but the warning remains until the programme ends and the door is opened.
E9	UNBALANCED LOAD	In the final spin distribution, the input "Unbalanced load switch" is activated 5 times. An error is not triggered and the machine spins at low speed. The programme ends normally without warnings.

6 NAVIGATION CAM

PROGRAMME MANAGEMENT
LIBRARY
MY PROGRAMMES

LIBRARY
Create/Copy/Modify/Delete prog./cycles
Import programmes
Export programmes

MY PROGRAMMES
Select Active programmes
Create/Modify programmes

MAIN SCREEN
Machine identifier
Time
Programme name
Programme temperature
Programme length
Price (COIN/CP/CR)

MAIN MENU
Delayed programming (Select Time)
PROGRAMME MANAGEMENT
CONFIGURE SYSTEM
MAINTENANCE

CONFIGURE SYSTEM
Language
HUD/SOUND
RABC (Download period)
GENERAL
MODE (Only self-service)
Currency (Only self-service and COIN)
Prices (Only self-service and COIN)
Price programming (Only self-service and COIN)
Grace period
Self-service statistics

HUD/SOUND
HUD
Beep (On/Off)

GENERAL
Date/Time
Temperature scale (ºC/ºF)
LEVELS
SPEED
Weighing coefficient (If weight is active)
Thermal stop (Yes/No)
Software version
Update software (via USB)

HUD
Screen OFF / Standby
Main screen
Run screen

LEVELS
Minimum level
Low level
Medium level
High level
Maximum level

SPEED
Minimum
Low
Normal
Height

RUN SCREEN
Machine identifier
Time
Programme name
Programme number
Programme length
Progress indicator
Status (drawing+text)
Currently running cycle
Stop

RUN MENU
View inputs
See outputs
View settings (Level, Temp, T Remain)
Manual dosing