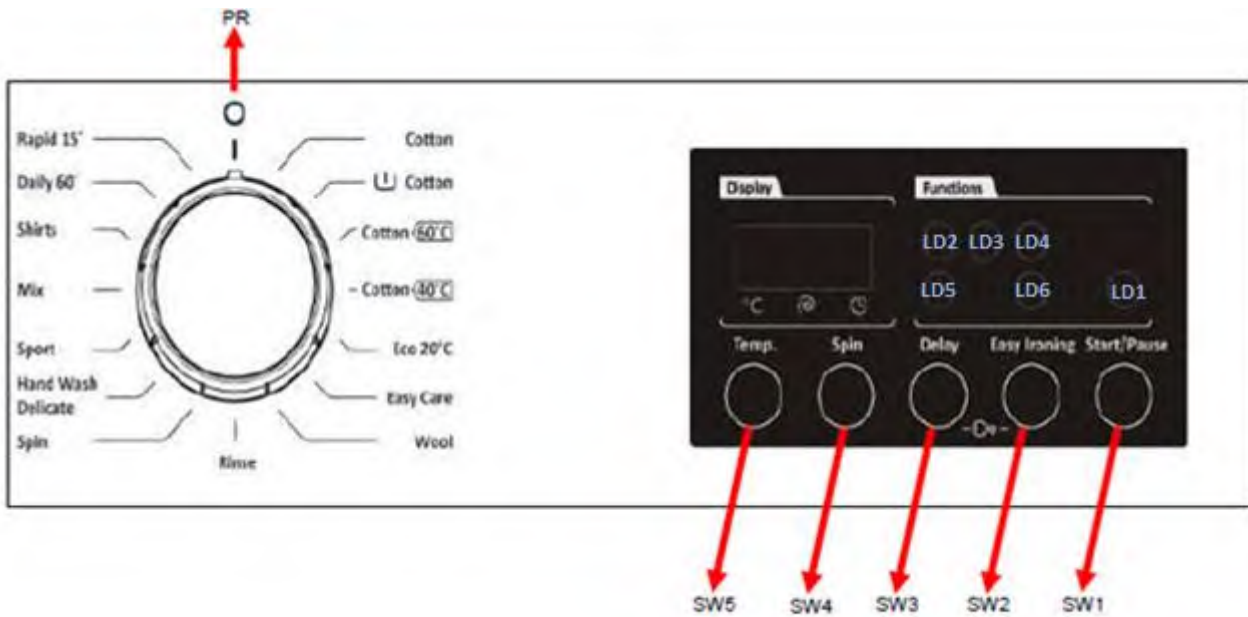


1. Operating Instructions

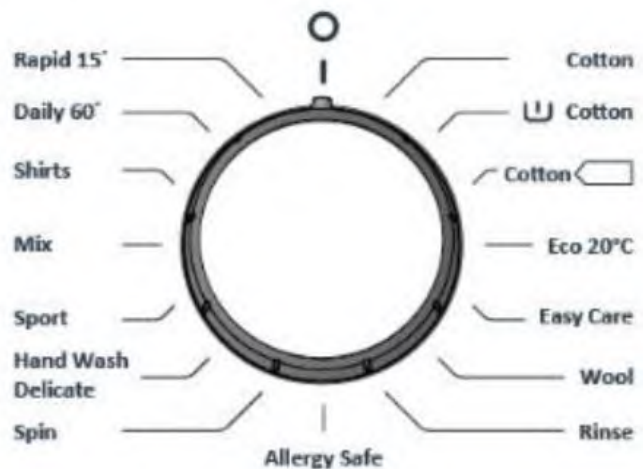
1.1. LCD Screen, Function Buttons & Knobs



PR	ON/OFF
SW1	Start / Pause
SW2	Function 1
SW3	Delay Mode
SW4	Spin Speed Selection
SW5	Temperature Selection
LD1	Start / Pause
LD2	Wash Phase Led
LD3	Rinse Phase Led
LD4	Spin Phase Led
LD5	Delay Mode
LD6	Function 1 Led

1.2. Program List

KNOB POSITION	PROGRAM
1	Cotton 90°C
2	Cotton Prewash
3	Cotton Eco 60°C
4	Eco 20°C
5	Easy Care
6	Wool
7	Rinse
8	Allergy Safe
9	Spin
10	Delicate / Hand Wash
11	Sports Wear
12	Mix 30
13	Shirts
14	Daily 60'
15	Rapid 15'
16	STOP



1.3. Child Lock

Activation

1. Press the SW2 and SW3 buttons simultaneously for 3 sec.



2. L4 and L5 will make fast blink for 2 sec to indicate child lock is activated.



Deactivation

1. Press the SW2 and SW3 buttons simultaneously for 3 sec.



2. L4 and L5 will make fast blink for 2 sec to indicate child lock is activated.



Child lock during the programme

1. Machine does not respond to any pressing of buttons or changing position of program knob. When the user tries to change programme knob during child lock, for F2A, F2B and F2C panels, L4 and L5 will make fast blink for 2 sec.

In end condition

1. When cycle is finished child lock is automatically deactivated.

In Error Mode

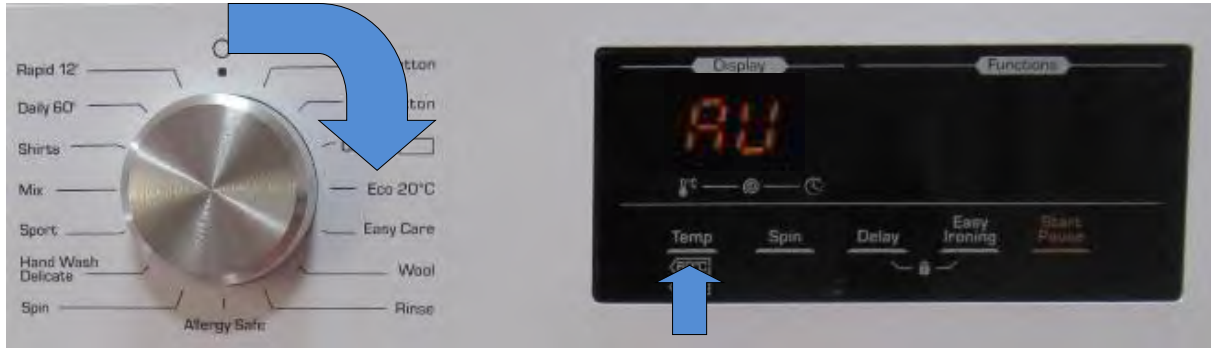
1. Child lock will be automatically deactivated when error is detected.

2. Test Mode

2.1. Autotest

* This test is for quick checking of the product. You can not see the failure codes.

1. Press SW3 button and simultaneously position program knob to 1



2. After 3 sec, door will be locked and the auto test starts.

The test steps are as below;

Step1: The pump is activated for 3 seconds and there is EPS check, the frequency value should be between the 46.04Hz and 43.40Hz. It checks the EPS and if it is OK it continues the autotest; if it is NOK then it should give E10 ERROR & cancels the autotest (goes to the selection mode). Also if any frequency can not be detected, then it means there is problem with connection or EPS, so it gives E10 which is EPS error and cancels the autotest. L1-L3 and L4 should fast blink during E10 error for panels except F4.

Step2: The motor ramps to max spin for 15 seconds. While its speed rising up to the maximum speed the EV1 (prewash valve) is activated for 5 seconds and then the EV2 (wash valve) is activated for 5 seconds.

Step3: The motor reduces speed to stop (depends on the motor stop time) for 5 seconds. While it is slowing down it activates EV1 and EV2 valve, concurrently.

Step4: The motor turns to right.

Step5: The motor turns to left for 5 seconds. Test is stopped. In that period, the Pre Wash icon makes fast blink.

Step6: The option 1 button is pushed

The EV1 and EV2 are activated concurrently until it reaches pressure sensor's first level frequency (Hz) for 5 seconds.



Step7: Software will detect NTC's resistance value and will check if the temperature is between $5^{\circ}\text{C} < T_{\text{detected}} < 40^{\circ}\text{C}$. If it is inside the range, heating step will be done. If temperature value is outside the range, then it means NTC is detecting the temperature in a wrong way and heating step will be skipped.

Step8: Autotest ends and "End" is visualized on LCD for F4. For F2B, F2A, F2B and F2C "End" led will be fix on.

AUTOTEST													
Time in seconds (to be adjusted)	5	10	15	20	25	30	35	40	45	50	55	60	65
Entering autotest	█	█											
Changing power to 220 50Hz		█											
Main Voltage 50 Hz			█	█	█	█	█	█	█	█	█	█	█
Door Lock Powered (Depends on door lock)			█	█	█	█	█	█	█	█	█	█	█
Motor Ramp to max spin (max. is 15 sec.)				█	█	█	█	█	█	█	█	█	█
Time until motor is stopped (Depends on the motor stop time)								█	█				
Motor Preferred Run (Direction to Right)									█	█			
Motor Inverse Run (Direction to Left)										█	█		
EV1 (flowrate dependent of washer)				█	█			█	█				
EV2 (flowrate dependent of washer)						█	█	█	█				
Test stopped until Prewash button is pressed (symbol blinking)(REMOVED)	█	█	█	█	█	█	█	█	█	█	█	█	█
EV1 + EV2 valves up to first level frequency (Depends on the water level) (If machine is a hot water one, take water from Hot Valve)											█	█	
NTC check												█	
Heather resistance												█	█
Pump				█									
EPS measurement													

Sayfa 1

3. Service Mode

3.1. Service Autotest

End users can only see E1-E2-E3-E4. During service autotest, other failures can be seen.

1. To activate service autotest, Press SW2 button and simultaneously position program knob to 1.
2. After 3 sec, door will be locked , after door is locked, all leds will be fix OFF and machine will get into service autotest mode.

	Selector Position 1	Selector Position 2	Selector Position 3
	Result	Result	Result
	HEATER ON	PUMP ON	TEST PROGRAM ON
Comments :	When entering in service test, door will be locked.		TEST IS OVER Door will be unlocked, machine will go to END state.

The test steps are as below ;

Step 1 :

Selector position 1 will be "HEATER ON"

Before heating it should take water till first level frequency then start heating.

Heater will be on max. 8 minutes.If temperature doesn't increase 2°C in 8 minutes,machine will give NTC failure. (E05).

Or if the NTC connection is broken then it should give again E05 NTC failure.

L2 and L4 should fast blink during E05 error.

At the end of heating, "SAU" visualization should make slow blink to indicate that the step is over.

Note : If user changes the selector position, machine will do what is defined for the new selected position.

LD1 → Star/ Pause Led → Slow Blink

LD2 → Wash Phase Led → Slow Blink

LD3 → Rinse Phase led → Off (Except Rinse program. For Rinse program L2 makes slow blink)

LD4 → Spin Phase Led → Off (Except Spin program. For Spin program L4 makes slow blink.)

LD5 → Delay Timer Led → Off (If it is selected → On)

LD6 → Function Led → Off (If it is selected → On)

Step 2 :

Selector position 2 will be "PUMP ON"

Temperature will be measured, if it is higher than 50°C, it should take 80sec. cooling water and then make "Drain+ 5sec.)

At the end of pump activation, "SAU" visualization should make slow blink to indicate that the step is over.

Step 3 :

Selector position 3 will be "RAPID 15' "

So machine will make exactly the same algorithm of Rapid 15'.

So, time for selector position 1 is 15 minutes.

At the end of Rapid 15' the door will be unlocked and machine will go to END mode.

3.2. Failure Codes

Error Indication	Error Number	Indication For User	Indication For Service
		Yes/No	Yes/No
Door is not locked	E01	Yes	Yes
Door is unlocked during programme	E01	Yes	Yes
Lack of water	E02	Yes	Yes
Pump failure	E03	Yes	Yes
Overflow	E04	Yes	Yes
NTC or Heater Failure	E05	No	Yes
Electronic Pressure Sensor	E10	No	Yes
Motor (BLDC)	E19	No	Yes

4. Troubleshooting Guide

All repairs which must be done on the machine should be done by authorized agents only. When a repair is required for machine or you are unable to eliminate the failure with the help of the information given below:

- Unplug the machine.
- Close the water tap.

FAILURE	PROBABLE CAUSE	METHODS OF ELIMINATION
Machine does not operate.	It is unplugged.	Insert the plug into the socket.
	Fuse is defective.	Change fuse.
	Start / Pause button has not been pressed.	Press the start / pause button.
	The program knob is in 0 (off) status.	Bring the program knob on the desired status.
	The door is not shut properly.	Shut the door properly. You should hear the click.
	Child lock is active.	See page 9.
Machine does not receive water.	Water tap is closed.	Open water tap.
	The water inlet hose may be bent.	Check the water inlet hose.
	The water inlet hose is obstructed.	Clean the filters of water inlet hose.
	The water inlet filter is obstructed.	Clean the valve inlet filters.
	The door is not shut properly.	Shut the door properly. You should hear the click.
Machine is not draining water.	The drain hose is obstructed or bent.	Check the drain hose.
	The pump filter is obstructed.	Clean the pump filter.
	The clothes are not placed inside the machine in a well-balanced manner.	Spread the clothes inside the machine in an orderly and well-balanced manner.
Machine is vibrating.	The feet of machine are not adjusted.	Adjust the feet.
	Transportation screws are not removed.	Remove transportation screws.
	There is a small amount of clothes in the device.	It does not prevent operation of the machine.
	Excessive amount of clothes are filled in the machine or the clothes are not placed in a well-balanced manner.	Do not exceed the recommended quantity of clothes and spared clothes in the machine in a well-balanced manner.

FAILURE	PROBABLE CAUSE	METHODS OF ELIMINATION
Excessive foam in the detergent drawer	Too much detergent has been used.	Press the start/pause button. In order to stop the foam, dilute one table-spoon of softener in half liter of water and pour it in the detergent drawer. Press the start/pause button after 5-10 minutes. Arrange the amount of the detergent properly in the next washing process.
	Wrong detergent has been used.	Use only the detergents produced for full automatic machines.
The washing result is bad.	Laundry too dirty for the program you have selected.	Select a suitable program.
	The amount of detergent used is not sufficient.	Use more detergent according to the detergent.
The washing result is not good.	Clothes exceeding the maximum capacity has been filled in machine.	Put the clothes in machine in a manner not to exceed its maximum capacity.
	Water may be hard.	Use the amount of detergent according to the declaration of the detergent producer.
	Distribution of the clothes in machine is not well-balanced.	Spread the clothes inside the machine in an orderly and well-balanced manner.
The water is seen in the drum during washing.	No failure. The water is at the lower part of the drum.	
There are residues of detergent on the clothes.	The pieces of some detergents which do not dissolve in water may stick to clothes as white stains.	By calibrating machine for "Rinsing" program, make an additional rinsing or eliminate the stains After drying with the help of a brush.
There are grey stains on the clothes.	These stains may be caused by oil, cream or ointment.	In the next washing operation, use the maximum detergent amount declared by the detergent producer.
The spinning process is not done or starts with delay.	No failure. The unbalanced load control works in that way.	The unbalanced load control system will try to distribute clothes in a homogenous manner. After clothes are distributed, passage to spinning process will be realized. In the next washing process, place clothes into the machine in a well-balanced manner.