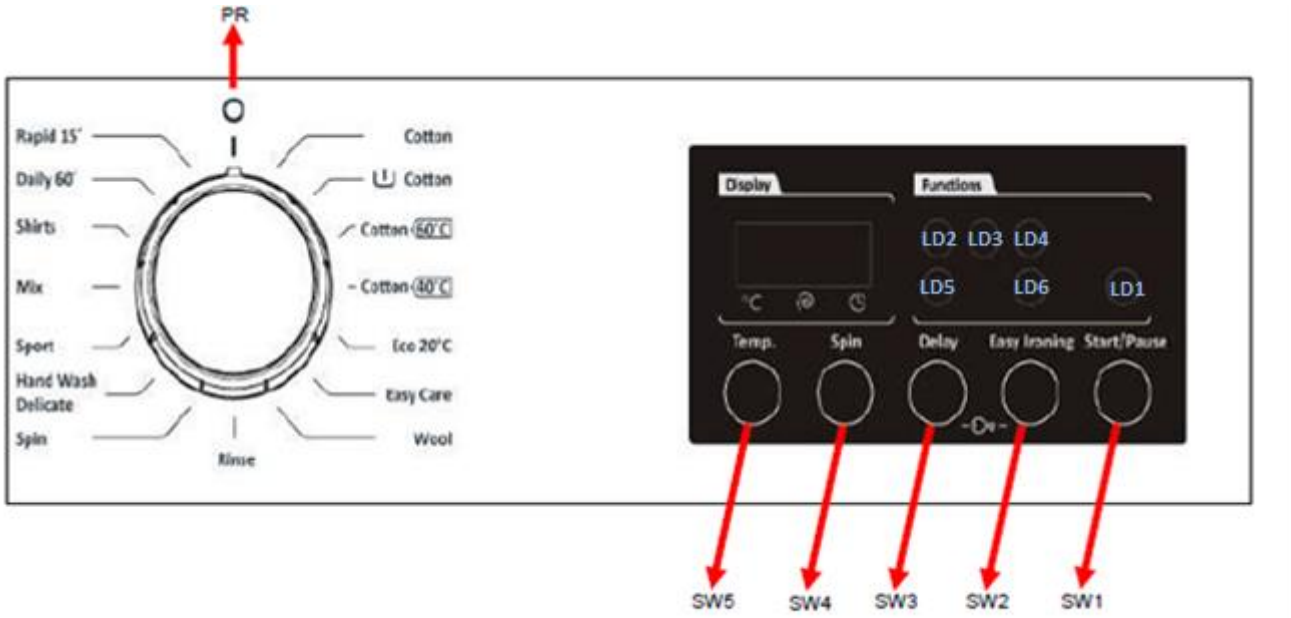
3. Operating Instructions

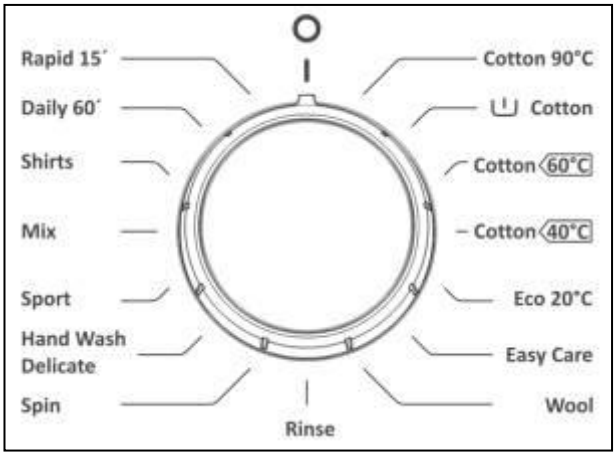
3.1. LCD Screen, Function Buttons & Knobs



PR	ON/OFF
SW1	Start / Pause
SW2	Option Buton
SW3	Delay Mode
SW4	Spin
SW5	Temperature
LD1	Start / Pause
LD2	Rinse
LD3	Spin
LD4	End
LD5	Delay Mode
LD6	Function 1 Led

3.2. Program List

KNOB POSITION	PROGRAM
1	Cotton 90°C
2	Cotton Prewash
3	Cotton Eco
4	Cotton 40°C
5	Eco 20°C
6	Easy Care
7	Wool
8	Rinse
9	Spin
10	Delicate / Hand Wash
11	Sports Wear
12	Mix 30
13	Blouses/ Shirts
14	Daily 60'
15	Rapid 15'
16	STOP



3.5. 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 simulaneously for 3 sec.

2. L4 and L5 wil 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 try to change programme knob during child lock, for F2A, F2B and F2C panels , Led 4 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.

4. Test Mode

4.1. Autotest

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

1. Press SW5 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 **46.04 Hz** and **43.40 Hz**. 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.

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.

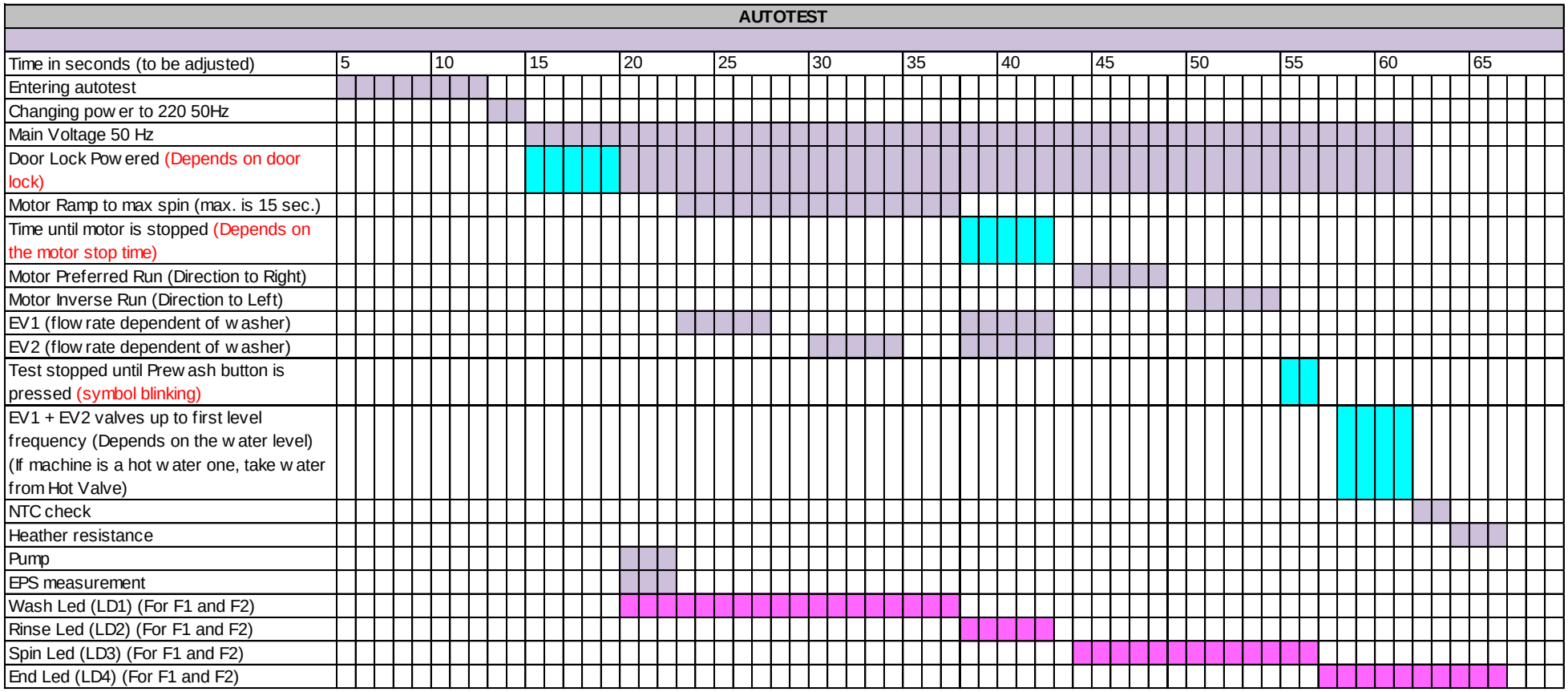
Step4: The motor turns to right.

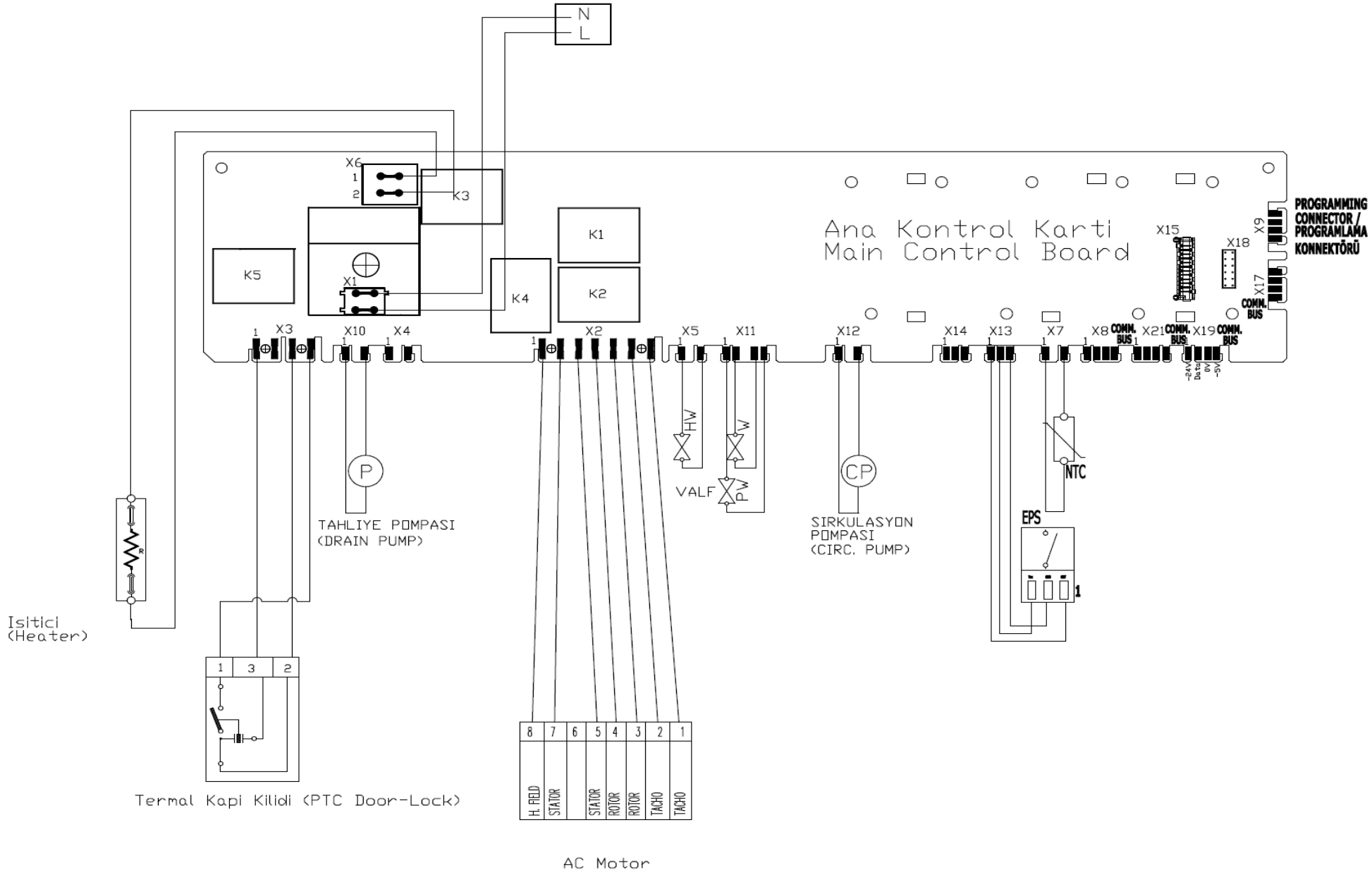
Step5: The motor turns to left for 5 seconds. Test is stopped. In that period, the **option 1 led** makes fast blink.

Step6: The option 1 button is pushed

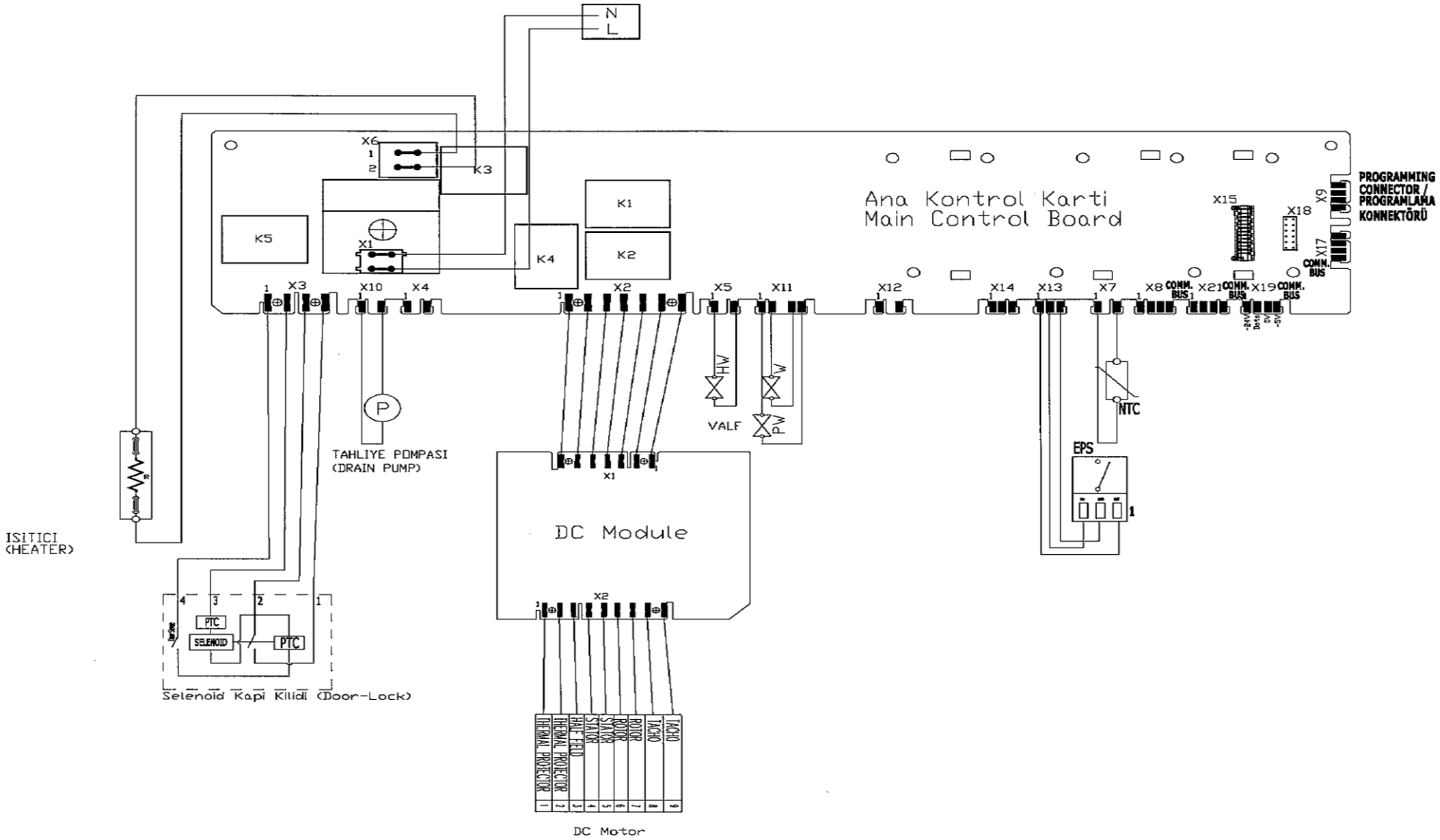
Step7: The EV1 and EV2 are activated concurrently until it reaches pressure sensor's first level frequency (Hz) for 5 seconds.

Step8: Software will detect NTC's resistance value and will check if the temperature is between 5°C < Tdetected < 40°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.
For F1A, F1B, 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 pow er to 220 50Hz
Main Voltage 50 Hz
Door Lock Pow ered (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 (flow rate dependent of w asher)
EV2 (flow rate dependent of w asher)
Test stopped until Prew ash button is pressed (symbol blinking)
EV1 + EV2 valves up to first level frequency (Depends on the w ater level) (If machine is a hot w ater one, take w ater from Hot Valve)
NTC check
Heather resistance
Pump
EPS measurement
Wash Led (LD1) (For F1 and F2)
Rinse Led (LD2) (For F1 and F2)
Spin Led (LD3) (For F1 and F2)
End Led (LD4) (For F1 and F2)


N
L
X6
1
2
K3
K1
K2
K4
K5
X1
Ana Kontrol Karti
Main Control Board
X15
X18
X9
X17
PROGRAMMING
CONNECTOR /
PROGRAMLAMA
KONNEKTÖRÜ
COMM.
BUS
X3
X10
X4
X2
X5
X11
X12
X14
X13
X7
X8
X21
X19
-24V
Data
0V
+5V
HW
W
PW
VALF
P
CP
NTC
EPS
TAHLIYE POMPASI
(DRAIN PUMP)
SIRKULASYON
POMPASI
(CIRC. PUMP)
Isitici
(Heater)
1 3 2
Termal Kapi Kilidi (PTC Door-Lock)
8 7 6 5 4 3 2 1
H. FIELD
STATOR
STATOR
ROTOR
ROTOR
TACHO
TACHO
AC Motor

9.2. Wiring Diagram (DC Motor Models)



10. Error İndications

Error Code	Indication	Pictures	Error Code	Indication	Pictures
E01	L1 + L2 Led Blink		**E05**	L2 + L4 Led Blink	
E02	L1 + L3 Led Blink		**E06**	L3 + L4 Led Blink	
E03	L1 + L4 Led Blink		**E10**	L1 + L3 + L4 Led Blink	
E04	L2 + L3 Led Blink