



Electrolux

SERVICE MANUAL

Food preservation

COLD APPLIANCES WITH ELECTRONIC
CONTROL SYSTEM

ERF2600



EN

Publication number

599 83 20-19

Edition: 12/2019 - Rev. 02

FOR INTERNAL AND PARTNERS USE ONLY

© ELECTROLUX HOME PRODUCTS

Consumer Service - EMEA

Quality & Continuous Improvement - Technical Support

CONTENTS

CONTENTS	1
1 PURPOSE OF THIS MANUAL	2
2 SAFETY	2
3 ERF2600 OVERVIEW	3
4 NIUX BOARD	7
5 USER INTERFACE ON DOOR	8
6 USER INTERFACE ON VCZ DRAWER	11
7 WI-FI CONNECTIVITY SETUP	12
8 CONNECTIVITY STATES	13
9 SERVICE MODE	14
10 DEMO MODE	21
11 RESET TO FACTORY DEFAULT	21

1 PURPOSE OF THIS MANUAL

The purpose of this Service Manual is to provide Service Engineers who are already familiar with repair procedures with information regarding the PCB.

The manual deals with the following topics:

- PCB general characteristics
- Disassembly

Document Revisions

Rev.	Date	Description	Author
00	07/2019	Document creation	Anna Grimlund
01	10/2019	Updated with Wi-Fi information	Anna Grimlund

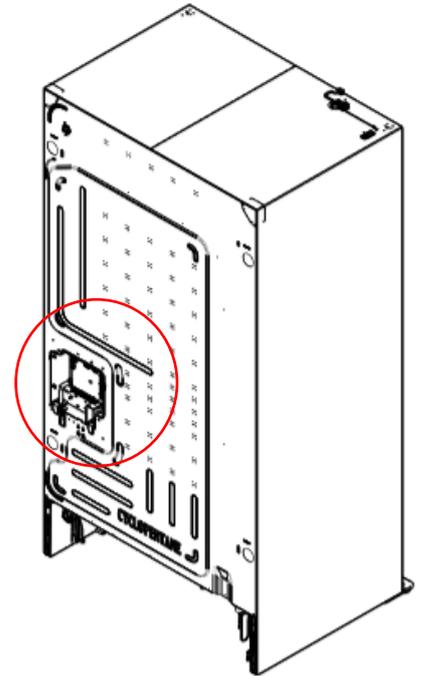
2 SAFETY



- All the work to be performed inside the appliance requires specific skills and knowledge and may only be carried out by qualified and authorised Service Engineers
- Before you access internal components, take the plug out of the socket to disconnect the power supply.
- Some of the components in the mechanical part could cause injuries, so wear suitable protection and proceed with caution.

3 ERF2600 OVERVIEW

1. Disconnect power and place the refrigerator in a position to access rear side.
2. Remove the five screws on the rear panel cover and remove the cover.
3. Mark and disconnect all wires and release snaps to detach the boards.
4. Do not replace the ERF2600 and the NIUx board at the same time. Replace first one and start the appliance before replacing the other. This is due to that the boards are serialized.



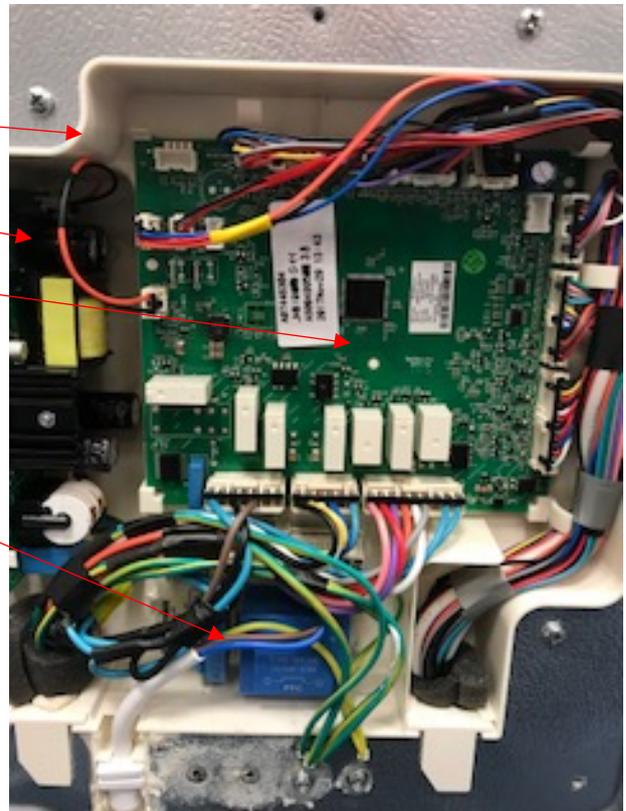
ERF2600 has eight relays and three SSRs power boards, connected mostly to insulated UI.

Sidekick connection

Power supply

Control board 1

Filter board



3.1 ERF2600 Loads layout

	AC In/Output	ERF Nomenclature		
J1:1	Neutral	NEUTRAL		4 Pin EPII 7.92
J1:2	Line In	IN_LIVE		
J1:3	Line Out	LIVE		
J1:4	STD Compressor	COMP_LIVE		

J2:1	Main Water Valve	RELAY_7_LIVE	15W	6 Pin EPII 3.96
J2:2	Cube Solenoid	RELAY_8_LIVE	48+/-25%	
J2:3	FFIM Water Valve	SSR_1_LIVE	15W	
J2:4	Disp Water Valve	SSR_3_LIVE	15W	
J2:5	Empty	-		
J2:6	Neutral	NEUTRAL		

J3:1	FF Evap Heater	RELAY_6_LIVE	258W	9 Pin EPII 3.96
J3:2	FZ Evap Heater	HEATER_LIVE	258W	
J3:3	VCZ heater	RELAY_4_LIVE	20W	
J3:4	IM Heater	RELAY_5_LIVE	70W	
J3:5	Auger	RELAY_3_LIVE	100W	
J3:6	Fill Heater	SSR_2_LIVE	2W	
J3:7	Empty	-		
J3:8	Neutral	NEUTRAL		
J3:9	Neutral	NEUTRAL		

	DC In/Output			
J4:1	12V	12V	30W	3 Pin EP2.5 -
J4:2	5V	5V		
J4:3	GND	GND	30W	

J6:1	FF LED	12V_LOAD_1	5,6W	14 Pin EP2.5 -
J6:2		DC_PWM_LOAD_OUT_1		
J6:3	IM Fan	12V_LOAD_2	2.4W	
J6:4	(VCZ LED on UI)	DC_PWM_LOAD_OUT_2		
J6:5	FF Fan	12V_LOAD_6	3W	
J6:6		DC_PWM_LOAD_OUT_6		
J6:7		GND		
J6:8	FZ Fan	12V_LOAD_7	3W	
J6:9		DC_PWM_LOAD_OUT_7		
J6:10		GND		
J6:11	Cond Fan	12V_LOAD_8	3W	
J6:12		DC_PWM_LOAD_OUT_8		
J6:13		GND		
J6:14	VCZ Fan GND	GND		

	DC In/Output			
J8:1	VCZ Fan (OR FZ Light)	12V	2W	12 pin EP2.5 -
J8:2		DC_PWM_LO AD_OUT_4		
J8:3	VCC (Inverter Signal)	12V_VSC	4W?	
J8:4		VSC		
J8:5	VCZ Damper	OUT1A		
J8:6		OUT1B		
J8:7		OUT2A		
J8:8		OUT2B		
J8:9	Stepper for Cooling	OUT3A		
J8:10		OUT3B		
J8:11		OUT4A		
J8:12		OUT4B		

J7:1	Twist IM motor	CNT_MOT_3	4,2W	10 Pin EP2.5 -
J7:2		CNT_MOT_4		
J7:3	Twist IM motor	CNT_MOT_1		
J7:4		CNT_MOT_2		
J7:5	IM Mold NTC	5V		
J7:6		NTC_6		
J7:7	IM Bail Arm	5V		
J7:8		BAIL		
J7:9	VCZ Damper Heater	12V_LOAD_5	1W	
J7:10		DC_PWM_LOAD_OUT_5		

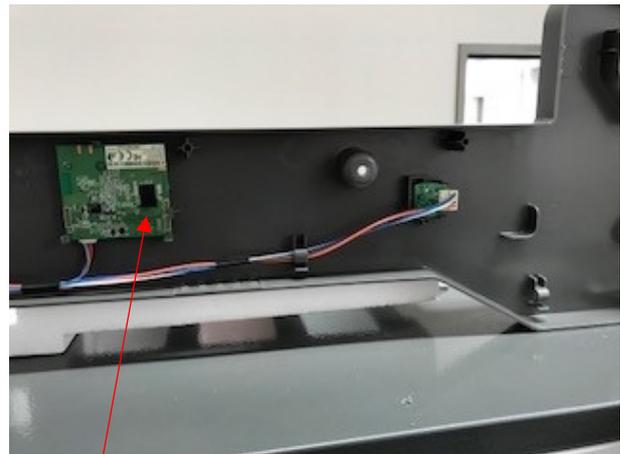
J9:1	FF Door SW	5V		10 pin EP2.5 =
J9:2		DOOR_SW_1		
J9:3	For Paddle SW	5V		
J9:4		DOOR_SW_4		
J9:5	FF NTC	5V		
J9:6		NTC_1		
J9:7	FF EVAP NTC	5V		
J9:8		NTC_2		
J9:9	Flip Mullion Heater /Stepper Valve	12V_LOAD_3	8W+ 6W	
J9:10		DC_PWM_LOAD_OUT_3		

DC In/Output			
J10:1		5V	
J10:2		IN_5	
J10:3		GND	
J10:4	FZ NTC	5V	
J10:5		NTC_3	
J10:6	FZ EVAP NTC	5V	
J10:7		NTC_4	14 Pin
J10:8	VCZ NTC	5V	EP2.5 =
J10:9		NTC_5	
J10:10	FZ Door SW	5V	
J10:11		DOOR_SW_2	
J10:12	VCZ Door SW	5V	
J10:13		DOOR_SW_3	
J10:14		GND	
J5:2	IM Evap NTC	5V	2 Pin
J5:1		Ambient	EP2.5 -
J11:1		ASY_IN_2	
J11:2		ASY_OUT_2	
J11:3	SCI (NIU X)	SCI Power (5V)	3,5W
J11:4		GND	8 Pin
J11:5	Bucket Level	SCL	EP2.5 =
J11:6	Sensor/	SDA	
J11:7	External Humidity	VCC	,2W
J11:8	Sensor	GND	
J13:1	DAAS	ASY_IN	
J13:2		ASY_OUT	4 Pin
J13:3		5V	
J13:4		G--ND	

J14:J15:J16:1	MACS	GND	
J14:J15:J16:2		RX/TX	4 Pin
J14:J15:J16:3		5V	JST PA
J14:J15:J16:4		12V	

4 NIUX BOARD

Remove the five screws on the top panel to access the NIUx board. Be careful when replacing the NIUx board to avoid ESD damage.



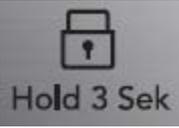
NIUx

Note: Do not replace the ERF2600 and the NIUx board at the same time. Replace first one and start the appliance before replacing the other. This is due to that the boards are serialized.

5 USER INTERFACE ON DOOR



5.1 Modes

Mode: Press and hold to activate/deactivate		
Service mode:	+ (freezer) and - (freezer) for 10 sec.	Demo mode: + (freezer) and - (refrigerator) for 10 sec.
Water pressure setup:	<p>“Ice Cubes” and “Crushed ice” for 10 sec to adjust the ice size based on the water pressure.</p> <p>Default 1, adjust from 1 (high pressure, small) to 4 (low pressure, large).</p>	<p>Reset filter: Warns automatically after 6 months since the last reset. Hold reset key for 3 sec:</p> <p>Air: “Reset 3 Sek” Water: “Reset 3 Sek”</p> <div style="display: flex; justify-content: space-around; align-items: center;">   </div>
Factory mode:	“Water” + “Ice Cubes” for 3 seconds	°F/°C mode: + (refrigerator) and - (refrigerator) for 5 sec.
Manual defrost:	+ (fridge) and + (freezer) for 10 sec.	<p>Lock the panel: for 3 sec.</p> 
Wi-Fi connectivity (connected appliances)	<p>Press and hold for 3 second to enable / disable wireless connection.</p> 	<p>LED lit - the product is connected.</p> <p>LED flashes- the product is connecting.</p> <p>LED off - Wi-Fi is off.</p>

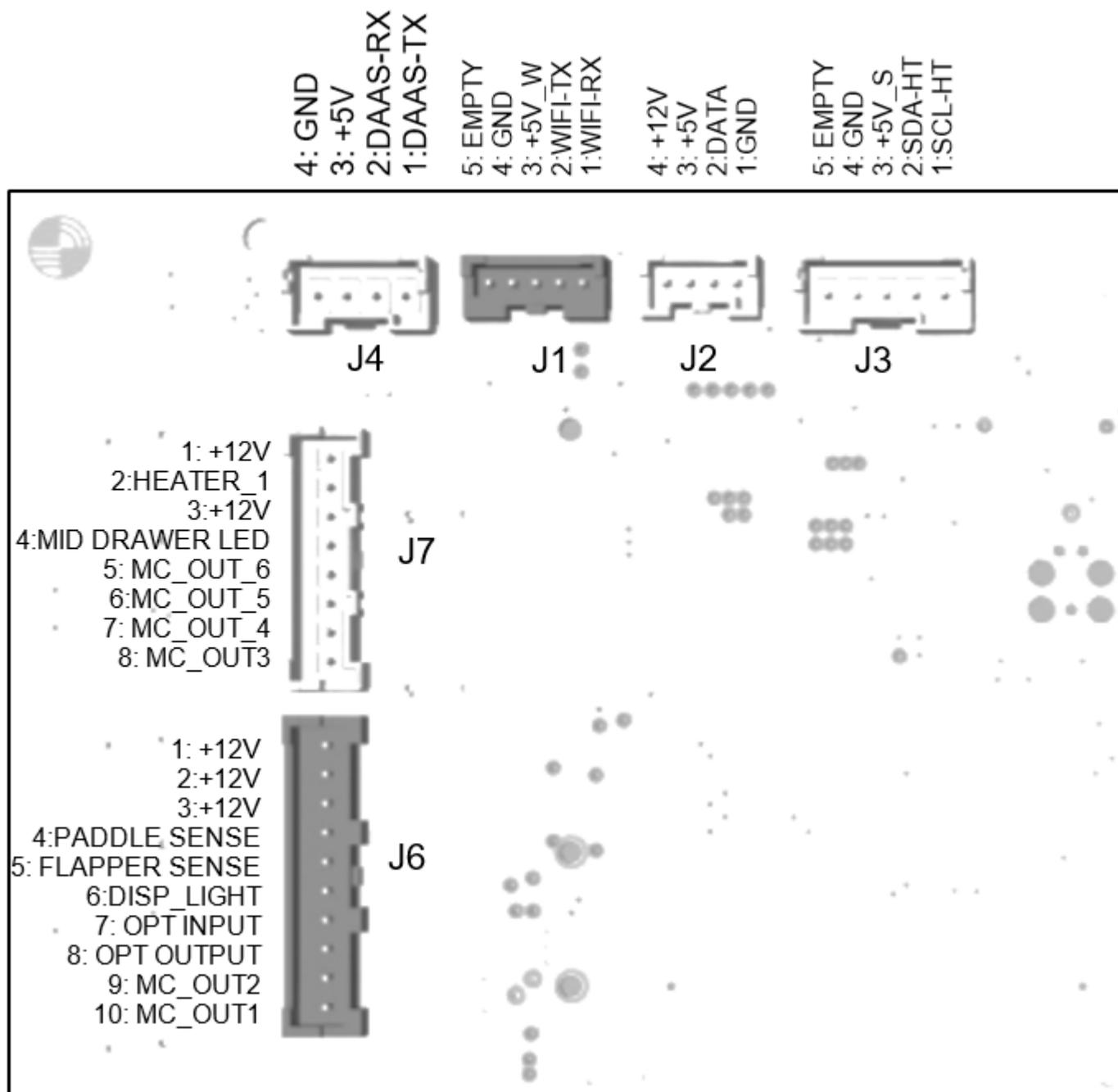
5.2 Disassembly user interface on door

1. Insert thin plastic tool to clip out the electronic board or use a suction cup.
2. Disconnect the wire connector.



5.3 Connectors user interface on door PCB

J1 (NIUx INTERFACE)	J2 (MACS)	J3 (I2C)
1- WiFi RX	1- GND	1-SCL
2-WiFi TX	2- MACS Comm	2-SDA
3-+5V (Controlled)	3- +5V	3-+5V
4-GND	4- +12V	4-GND
5-Not Used		5-Not Used
J4 (DAAS)	JFLASH	J6 (OPTIONAL I/O)
1- DAAS TX	+5V	1- +12V
2- DAAS RX	SWDIO	2- +12V
3- +5V	RESET	3- +12V
4- GND	SWCLK	4- Paddle Sense
	GND	5- Flapper Sense
	Not Used	6- Dispenser Light
J7 (HEATER)		7- Optional Input
1-+12V		8- Optional Output
2-Heater Output Ohm		9- MC_OUT2 (Flapper motor)
3-+12V		10- MC_OUT1 (Flapper motor)
4-Mid Drawer LED		
5-MC_OUT6 (Pump)		
6-MC_OUT5 (Pump)		
7-MC_OUT4 (Solenoid)		
8-MC_OUT3 (Solenoid)		



6 USER INTERFACE ON VCZ DRAWER



6.1 Disassembly user interface VCZ drawer

Cover is glued and cannot be reused.

1. Use a suction cup to clip out the control panel.
2. Disconnect the wire connector.



6.2 Connectors VCZ PCB

JFlash		DAAS	
PIN	FUNCTION	PIN	FUNCTION
1	VCC (+5 VDC)	1	RX
2	SWDDIO	2	TX
3	RESET	3	+5 VDC
4	SWD_CLOCK	4	GND
5	GND		
6	N/C	J1 (Freezer LED)	
		PIN	FUNCTION
MACS		1	+12 VDC
PIN	FUNCTION	2	PWM_OUT_1
1	GND		
2	MACS		
3	+5 VDC		
4	+12 VDC		

7 WI-FI CONNECTIVITY SETUP

To setup, install the app, connect the appliance to the Wi-Fi network and then link it to the mobile device.

Frequency	2.412 - 2.472 GHz
Protocol	IEEE 802.11b/g/n

Pre-requisites:

- Wireless 2.4GHz network with internet connection enabled.
- Mobile device connected to the wireless network.

7.1 Install the application “My Electrolux Kitchen”

1. Go to the app store on the mobile device
2. Download and install the app “My Electrolux Kitchen”
3. Start the application. Select country and language and login or create a new account.

7.2 Configure the wireless connection

Stand near the appliance with the mobile device (Android or iOS). Make sure that the mobile device is connected to the wireless network that the appliance will be connected to.

In the app:

1. Tap the appliances icon in the menu and then the Add Appliance icon.
2. Choose “Fridge” in the list of appliances and tap “NEXT”.
3. Follow the app’s guidance.

On your appliance:

1. Press and hold the Wi-Fi icon for 3 seconds until you hear a beep to start the Wi-Fi system.
2. After about 45 seconds the UI displays **AP**.

In the app:

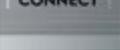
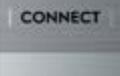
1. Continue to follow the app guidance.
 - Android devices, select the appliance’s Wi-Fi network in the drop down list.
 - iOS devices go to “SETTINGS” and select the appliance’s Wi-Fi network, (it is the one that begins with AJ-)
2. When the appliance has connected, the Wi-Fi icon stops flashing and stays solid.

7.3 Disabling / resetting the appliance wireless connection

1. Temporarily disable: Press and hold the Wi-Fi icon for 3 seconds. The Wi-Fi icon switches off and a beep sounds.
2. Re-establish: Press and hold the Wi-Fi icon for 3 seconds.
3. Reset the Wi-Fi configuration: Press and hold the Wi-Fi and the Reset Water Filter icon together for 10 seconds. To then re-establish the connection, repeat the steps in section **Configure the wireless connection**.

8 CONNECTIVITY STATES

The table shows the different connectivity readiness state of the appliance based on various conditions. Blinking frequency is 480 ms on and 240 ms off.

State	Wi-Fi function	Home Network Credentials Registration status on appliance	Home Network Connection	Cloud Connection	UI feedback for Wi-Fi states
1	Off	-	-	-	 None (off)
1.1	Starting	-	-	-	 Blinking
2	On	Not Registered	-	-	 Blinking
2.1	Off	Not Registered. Access point timeout	-	-	 None (off)
3	On	Registered	Connecting/Trying to connect (fail)	-	 Blinking
3.1	On	Registration fail	-	-	 Blinking
4	On	Registered	Connected	Fail/Offline	 Steady on
5	On	Registered	Connected	Online	 Steady on

9 SERVICE MODE

9.1 Enter and exit service mode



Activate/deactivate service mode

Change status Progress through the different functions

Activate service mode:

Press and hold
+ (**freezer**) and
- (**freezer**) for 10 seconds.

All LEDs of the UI illuminates and a beep confirms that service mode is activated.

Press **+** (**refrigerator**) icon to progress through the different functions.

Press **-** (**refrigerator**) icon to go back to the previous function.

Press **“Ice cubes”** icon to change the status of the function.

- Each function is associated with a number indicated on the freezer display.
- Function status is indicated with intermittent time duration on the fridge display.
- See **List of functions in service mode** table below for details

Extra information:

Freezer display: Numbered item.

Refrigerator display: Status of the item, status/value of the extra information, numbered item, status/value of the extra information.

Exit service mode:

Press and hold freezer **+** and **-** icons for 10 seconds.

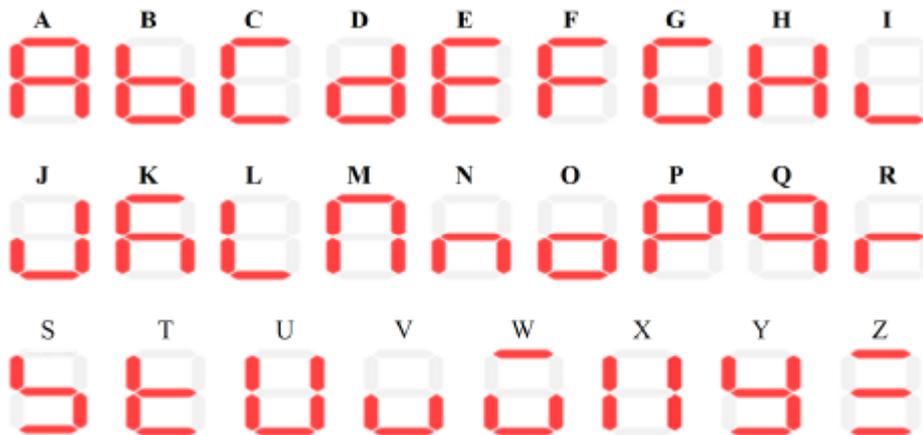
9.2 Display character representation

Appendix A. Seven-segment display character representation

Numbers:



Letters:



9.3 List of functions in service mode

Number	Function test	UI action to change the status	Expected behaviour
-	First screen	-	LED lights up to display UI.
-	Second screen	-	LED turns off.
2	Freezer defrost heater	Press "Ice Cubes"	<ol style="list-style-type: none"> The freezer evaporator defrost sensor temperature flashes on the display. Watch for temperature increase with the heater on. <ul style="list-style-type: none"> It may take a maximum of 5 minutes for the evaporator to heat up. Maximum 5 minutes "on" or 45°C Freezer Evap Defrost Sensor threshold.
8	Main valve	Press "Ice Cubes".	<ol style="list-style-type: none"> Main valve (faucet) is activated when "on"; stops when "off"

11	Cube/crush solenoid	Press "Ice Cubes".	<ul style="list-style-type: none"> a. Solenoid is activated when "on", deactivated when "off". b. Do not leave solenoid activated for more than 1 minute; it turns off automatically after 1 minute.
53	Water valve dispense + main valve	Press "Ice Cubes".	<ul style="list-style-type: none"> b. Be prepared to collect water at dispenser. c. Water dispenses when "on"; stops when "off".
56	Ice maker water valve+ main valve	Press "Ice Cubes".	<ul style="list-style-type: none"> a. Remove ice tray to collect water into a measuring container to measure the water fill. b. If collecting water into ice tray, first perform test number 50 to empty ice tray. c. Water flows in the tray when "on" and stops when "off"
71	Refrigerator defrost heater	Press "Ice Cubes".	<ul style="list-style-type: none"> a. Refrigerator Evaporator Defrost Sensor temperature flashes on the display. b. Watch for temperature increase with the heater on. c. It may take a maximum 5 minutes for the evaporator to heat up. Maximum 5 minutes "on" or 45°C Refrigerator Evap Defrost sensor threshold.
72	Ice maker defrost heater	Press "Ice Cubes".	<ul style="list-style-type: none"> a. Icemaker Evaporator Defrost Sensor temperature flashes on the display. b. Watch for temperature increase with the heater on. c. It may take a maximum 5 minutes for the evaporator to heat up. Maximum 5 minutes "on" or 45°C IM Evap Defrost Sensor threshold.
74	VCZ balance heater	Press "Ice Cubes".	<ul style="list-style-type: none"> a. Maximum five minutes "on" continuous.
79	Fill tube heater	Press "Ice Cubes".	<ul style="list-style-type: none"> a. Maximum five minutes "on" continuous.
10	Auger motor	Press "Ice Cubes".	<ul style="list-style-type: none"> a. Refrigerator door must be closed. b. Motor running when "on"; motor stopped when "off"
13	Refrigerator light	Press "Ice Cubes".	<ul style="list-style-type: none"> a. Refrigerator lights on when "on", off when "off"
14	VCZ light	Press "Ice Cubes".	<ul style="list-style-type: none"> a. VCZ light on when "on", off when "off"

15	Freezer evaporator fan	Press "Ice Cubes".	<p>a. The freezer evaporator fan runs at three speeds:</p> <ul style="list-style-type: none"> • "On": Fan runs at maximum speed • "Mi": Medium speed • "Off": Stopped <p>b. "Lc": Rotor condition locked.</p> <p>c. "Ns": PWM signal that provides duty cycle is absent and the fan is "off".</p> <p>d. "Np": 12V signal or GND signal is absent and the fan is "On" or "Mi".</p>
17	VCZ fan	Press "Ice Cubes".	<p>a. The VCZ fan runs at three speeds:</p> <ul style="list-style-type: none"> a. "On": Fan runs at maximum speed b. "Mi": Medium speed c. "Off": Stopped
18	Condenser fan	Press "Ice Cubes".	<p>a. The condenser fan runs at three speeds:</p> <ul style="list-style-type: none"> a. "On": Fan runs at maximum speed b. "Mi": Medium speed c. "Off": Stopped <p>b. "Lc": Rotor condition locked.</p> <p>c. "Ns": PWM signal that provides duty cycle is absent and the fan is "off".</p> <p>d. "Np": 12V signal or GND signal is absent and the fan is "On" or "Mi".</p>
20	Freezer light	Press "Ice Cubes".	<p>a. Freezer light on when status is "on", and off when "off"</p>
38	VCC compressor	Press "Ice Cubes".	<p>a. Compressor is running at maximum speed when "on", it is stopped at "off".</p>
47	Ice chute heater	Press "Ice Cubes".	<p>a. Chute heater is activated when "on", deactivated when "off".</p>
62	Icemaker evaporator fan	Press "Ice Cubes".	<p>a. Icemaker evaporator fan is activated when "on", deactivated at "off".</p>
63	Flip mullion heater DC	Press "Ice Cubes".	<p>a. DC flip mullion heater is activated when "on", deactivated at "off".</p>
66	Dispenser light	Press "Ice Cubes".	<p>a. Dispenser light on when "on", off when "off"</p>
70	Refrigerator evaporator fan	Press "Ice Cubes".	<p>a. The refrigerator evaporator fan runs at three speeds:</p> <ul style="list-style-type: none"> a. "On": Fan runs at maximum speed b. "Mi": Medium speed c. "Off": Stopped <p>b. "Lc": Rotor condition locked.</p> <p>c. "Ns": PWM signal that provides duty cycle is absent and the fan is "off".</p> <p>d. "Np": 12V signal or GND signal is absent and the fan is "On" or "Mi".</p>
76	VCZ damper heater	Press "Ice Cubes".	<p>a. VCZ Damper Heater is activated when "on", deactivated when "off".</p>

77	VCZ damper	Press "Ice Cubes".	<ol style="list-style-type: none"> a. Freezer evaporator fan is automatically at maximum speed. <ol style="list-style-type: none"> a. "Op": VCZ damper is open. b. "Cl": VCZ damper is closed. c. "Off": Stopped b. Check for airflow when the damper is fully open and that there are no air leaks when fully closed. c. "1" blinks during movement of damper. d. If there are errors during movement, the error status of the fan is displayed (LC, Ns, Np) and the status of the damper (Op, Cl).
36	Ice chute door/ ice flapper motor	Press "Ice Cubes" to change the status of the function and to move the flapper motor.	<ol style="list-style-type: none"> a. "Op": Ice chute door is open. b. "Cl": Flapper motor is closed. c. "1" blinks during movement of flapper motor. d. "Er" in case of failure. e. Opening/closing of the ice chute door are performed recursively for three consecutive times.
50	Icemaker twist tray harvest test	Press "Ice Cubes" to change the status of the function and to start the rotation.	<ol style="list-style-type: none"> a. Remove the ice bucket to see the rotation of the ice tray. b. "Go" on the refrigerator display when the tray finds the home position (horizontal position) c. "1" blinks during rotation of the ice tray. d. "Er": In case of failure at the end of the twisting action.
78	Ice maker tray bail arm/ ice level bucket	Press "Ice Cubes".	<ol style="list-style-type: none"> a. Remove the ice bucket to see the status of the ice tray bail arm. b. Allow bail arm to drop freely. "Em" (empty) when the tray returns to the home position. c. Hold up the bail arm. "Fu" (full) when the tray returns to the home position. d. "1" blinks during rotation of the ice tray. e. "Er" In case of failure at the end of the twisting action.
61	Stepper motor valve	Press "Ice Cubes".	<ol style="list-style-type: none"> a. First Position must be ("open-open") and the compressor starts at maximum speed. b. Going through the steps below, the stepper valve goes to close position, IM/FZ then FF/IM/FZ. It is possible to loop through the four states. c. The display indicates the steps as: <ul style="list-style-type: none"> • "03": Open position • "00": Close position • "01": IM/FZ position • "02: FF/IM/FZ position d. Steps 00 and 01: e. f. g. h. Evaporator defrost sensor temperature is displayed to see if the temperature is decreasing or not. i. Steps 02 and 03: Refrigerator evaporator defrost sensor temperature is displayed to see if the temperature is decreasing or not. j. "1" blinks during the movement of the stepper motor from one-step to another.
23	Refrigerator door	Open/Close FF Reed Switch	<ol style="list-style-type: none"> a. "Op": Door is open. b. "Cl": Door is closed.

24	Freezer drawer	Open/Close FZ Reed Switch	a. “Op” : Door is open. b. “Cl” : Door is closed.
25	VCZ drawer	Open/Close VCZ Reed Switch	a. “Op” : Door is open. b. “Cl” : Door is closed.
28	Dispenser paddle	Press the Dispenser Paddle	a. “On” : Paddle is pressed. b. “Of” : Paddle is released or not pressed.
29	Refrigerator sensor	Activates automatically	a. Temperature sensed by refrigerator sensor displayed in °C or °F. b. “OP” if open-circuit; “SH” if short-circuit.
30	Freezer sensor	Activates automatically	a. Temperature sensed by freezer sensor displayed in °C or °F. b. “OP” if open-circuit; “SH” if short-circuit.
31	Refrigerator evap defrost sensor	Activates automatically	a. Temperature sensed by refrigerator evaporator defrost sensor displayed in °C or °F. b. “OP” if open-circuit; “SH” if short-circuit.
32	VCZ sensor	Activates automatically	a. Temperature sensed by VCZ sensor displayed in °C or °F. b. “OP” if open-circuit; “SH” if short-circuit.
33	Ambient temperature sensor	Activates automatically	a. Temperature sensed by H&T sensor regarding the ambient temperature displayed in °C or °F. b. “OP” if open-circuit; “SH” if short-circuit.
39	Freezer evaporator defrost sensor	Activates automatically	a. Temperature sensed by freezer evaporator defrost sensor displayed in °C or °F. b. “OP” if open-circuit; “SH” if short-circuit.
45	Icemaker tray sensor	Activates automatically	a. Temperature sensed by icemaker tray sensor displayed in °C or °F. b. “OP” if open-circuit; “SH” if short-circuit.
68	Icemaker evaporator defrost sensor	Activates automatically	a. Temperature sensed by icemaker evaporator defrost sensor displayed in °C or °F. b. “OP” if open-circuit; “SH” if short-circuit.
64	Humidity sensor	Activates automatically	a. Relative humidity sensed by H&T sensor in %. b. “OP” if open-circuit; “SH” if short-circuit.

9.4 Software parameters and firmware versions

After the functional tests, it is possible to view the software parameters and firmware versions of the electronic boards.

Press the + (refrigerator) icon after the functional tests, “--” is display and after this the sequence described below starts. .

The “--” characters are used as a separator.

a-	Software Parameters	Runs Automatically, scrolling all the digits of the string.	<ol style="list-style-type: none"> Displays digits sequence related to the set of parameters that is flashed inside ERF2600 power board; It is built of 8 digits. The same digit is displayed simultaneously on the 2 displays (Freezer and Refrigerator). <ul style="list-style-type: none"> For example: "00499539" Press + icon if you want to skip this visualization and pass to the next record.
b-	Main Board Firmware Version ERF2600	Runs Automatically, scrolling all the digits of the string.	<ol style="list-style-type: none"> Displays digits sequence related to the ID string or firmware version of ERF2600 power board It is built of 8 digits. The same digit is displayed simultaneously on the 2 displays (Freezer and Refrigerator). <ul style="list-style-type: none"> For example: "JHB10G10" Press + icon if you want to skip this visualization and pass to the next record
d-	Cobalt UI Firmware version	Runs Automatically, scrolling all the digits of the string.	<ol style="list-style-type: none"> Displays digits sequence related to the ID_string or firmware version of Cobalt User Interface (main UI) It is built of 8 digits. The same digit is displayed simultaneously on the 2 displays (Freezer and Refrigerator). <ul style="list-style-type: none"> For example: "LHFE0700" Press (refrigerator) + if you want to skip this visualization and pass to the next record.
d-	Indigo Firmware Version (VCZ drawer)	Runs Automatically, scrolling all the digits of the string.	<ol style="list-style-type: none"> Displays digits sequence related to the ID_string or firmware version of Indigo User Interface (VCZ drawer UI) It is built of 8 digits. The same digit is displayed simultaneously on the 2 displays (Freezer and Refrigerator). <ul style="list-style-type: none"> For example: "MHFE0600" Press (refrigerator) + if you want to skip this visualization and pass to the next record

9.5 Lifetime

After the software parameters and firmware versions, it is possible to view the lifetime of the appliance. This refer to the number of days the appliance has had power, not consecutively.

The maximum value can be 9999 days.

- | | |
|--|--|
| <p>a- Lifetime Press + icon, to pass to the next digit.</p> | <ol style="list-style-type: none"> Displays lifetime sequence related to the number of days from the first start-up. It is built of 4 digits for Example: "0077" means 77 days. Press + icon to pass to the next digit. |
|--|--|

9.6 Free counter

The last section is related to display a free counter. It is a one second up-counting timer (0,1,2,3...) and the digit is displayed on the display.

This phase communicates that service mode has come to end. To return to normal mode you have to press and hold + and – icons for 10 seconds or unplug the appliance and plug it again.

10 DEMO MODE

When demo mode is activated, the UI and internal light will work normally, but the cooling system is turned off.

Activating / Deactivating Demo Mode

Press and hold + (**freezer**) and – (**refrigerator**) for 10 seconds, reverse to deactivate.



11 RESET TO FACTORY DEFAULT

Press and hold - (freezer) and - (fridge) keys for 5 seconds to reset the following functions to its factory settings:

- Fridge & Freezer compartment
- Quick Chill
- Quick Freeze
- Drinks Chill
- Ice maker
- Air & Water filters