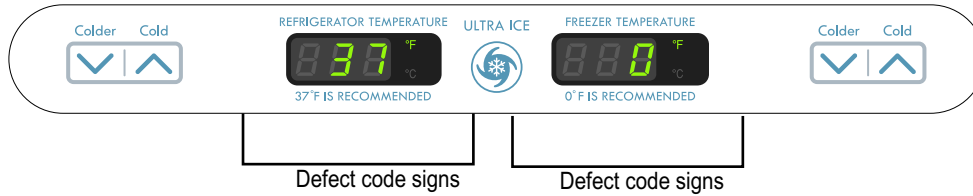


FAILURE DIAGNOSIS TABLE

Defect Diagnosis Function

Micom error are separated in "Main Errors" (Affect directly refrigerator performance) and "Secondary Errors" (don't affect the refrigerator performance). To check in Display the error present, is necessary press Cold key on freezer and Cold key on refrigerator more than 1 Second, if no there any error, all LED will be illuminated, if a main error is present, only certain LED will be illuminated, in case of secondary errors, only one LED or icon will not illuminated.



ERROR CODE on display panel

No.	Item	Error Indication	Contents	Remarks
1	Normal	NOTCH Indication	None	DISPLAY switch operates normally
2	Failure of Freezer sensor	Er	Fs	Cut or short circuit wire
3	Failure of Refrigerator sensor	Er	rS	Cut or short circuit wire
4	Failure of Defrost sensor	Er	dS	Cut or short circuit wire
5	Failure of Defrost mode	Er	dH	When defrost sensor does not reach 8°C within 1 hour after starting defrost.
6	Failure of BLDC fan motor at freezing compartment	Er	FF	Poor motor, hooking to wires of fan, contact of structures to fan, snapping or short circuit of lead wires.
7	Failure of Icemaker Kit	Er	It	Failure of wires such as motor in I/M KIT GEAR, HALL IC
8	Failure of Icemaker sensor	Er	IS	Snapping or short circuit of ice making sensor

Primary Error: F sensor, R1 sensor, D sensor, defrost errors, F-FAN errors.

Secondary Error: I / M sensors, I / M Kit

When an error occur the first 3 hours the Primary Error and Secondary Error is indicated in the display check mode (Pressing Cold key on freezer and Cold key on refrigerator more than 1 Second). After the 3 hours and if the error is still present the Primary Error will show in the display automatically (See Note 1) and the Secondary Error is indicated in the display check mode.

Note1: In the Primary Error after 3 hours of the error occur all display lights turn OFF except the Freezer Temperature (Trouble Code Index) indicating the failure mode.

*LED check function: When there's no error, If simultaneously pressing the Cold key of refrigerator Temp and the Cold key of freezer temp for a second, all display LED graphics on. If releasing the button, the LED graphics displays the previous status.

PCB TEST BUTTON FUNCTION

TEST Mode

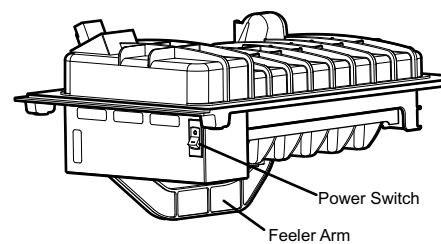
- The Test mode allows checking the PCB and the function of the product as well as finding out the defective part in case of an error.
- The test mode is operated by pressing two buttons on the Display panel.
- While in the test mode, the function control button is not recognized, but the recognition tone (beep~) sounds.
- After exiting the test mode, be sure to reset by unplugging and then plugging in the appliance.
- If an error, such as a sensor failure, is detected while in the test mode, the test mode is cleared and the error code is displayed.
- While an error code is displayed, the test mode will not be activated.

MODE	OPERATION	CONTENTS	REMARKS
TEST1	Push ULTRA ICE & COLDER (F) KEYS for 3sec. Or Push TEST switch (on the main Board) once.	1. Continuous operation of the COMPRESSOR 2. Continuous operation of the freezer fan 3. STEPPING DAMPER OPEN 4. Defrosting Heater OFF 5. Every DISPLAY LED ON	Maximum test time: 5 minutes
TEST2	Push ULTRA ICE & COLDER (F) KEY for 3sec. In TEST MODE or Push TEST switch once in TEST MODE 1	1. COMP OFF 2. Freezer FAN OFF 3. STEPPING DAMPER CLOSE 4. Defrosting heater ON 5. Display LED shows 222	Maximum test time: 2 hours. Reset if the temperature Of the defrosting sensor is 8°C (46°F) or more.
Return to Normal	On TEST 2 press ULTRA ICE & COLDER (F) KEY for 3 sec.	Return to initial status (COMP 7 min delay)	

* Freezer Fan RPM Variable Check:
If the freezer fan is in operation when the COLD REFRIGERATOR TEMP KEY & COLD FREEZER TEMP KEY are pressed for more than one second at the same time then the freezer fan RPM changes, (for example if high speed, to normal speed or if normal speed, to high speed for 30 seconds) After 30 seconds, it turns to its original RPM.

* Demonstration (Display) MODE:
1. To enter this mode, raise either the Refrigerator or Freezer temperature to its highest setting. Then, press that Cold key and hold for about 5 seconds.
2. The LED panels will display OFF, to indicate that the compressor, circulating fan, damper, and defrost heater are not operating.
3. The Open Door Alarm and the Lamp Auto-Off feature will work normally and can be demonstrated.
4. To reset to normal operation, press and hold either Cold Key for about 5 seconds.

ICEMAKER



1. ICEMAKER

Test Control

- To operate LINE and SERVICE, press and hold the **Fill Key** for 3 seconds. The icemaking will run through 3 stages: **Harvest** → **Fill** → **Icemaking**.

TECHNICAL DATA

DISCONNECT POWER CORD BEFORE SERVICING IMPORTANT - RECONNECT ALL GROUNDING DEVICES

All parts of this appliance capable of conducting electrical current are grounded. If grounding wires, screws, straps, clips, nuts or washers used to complete a path to ground are removed for service, they must be returned to their original position and properly fastened.

IMPORTANT NOTICE

This information is intended for use by individuals possessing adequate backgrounds of electrical, electronic and mechanical experience. Any attempt to repair a major appliance may result in personal injury and property damage. The manufacturer or seller cannot be responsible for the interpretation of this information, not can it assume any liability in connection with its use.

ELECTRICAL SPECIFICATIONS

Temperature Control (Position: MID).....-6°F to +8°F
 Defrost Control.....Automatic
 Defrost Thermostat.....46.4 °F
 Electrical Rating: 115VAC, 60Hz.....1-5 A
 Maximum Current Leakage.....0.5mA
 Maximum Ground Path Resistance.....0.14 Ohms
 Energy Consumption.....22 cu.ft. 465kWh/yr (Energy Star)

For models: 795.7620*

*: Color number

NO LOAD PERFORMANCE Control Position: MID/MID

And ambient of.....70°F90°F

Fresh Food, °F.....33°F to 41°F33°F to 41°F
 Frozen Food, °F.....-4°F to +4°F-4°F to +4°F
 Percent Running Time.....25%-35%45%-60%

REFRIGERATION SYSTEM

Minimum Compressor Capacity Vacuum.....21 in
 Minimum Equalized Pressure
 @ 70°F49PSIG
 @ 90°F56PSIG
 Refrigerant R134a.....4.2 oz
 Compressor.....740BTU/hr

INSTALLATION

For proper air circulation, best cooling and energy consumption results, maintain a minimum distance of 2 inches (5.08cm) from adjacent items and surfaces.

CLEARANCE
 AT TOP.....2 in
 AT SIDES.....2 in
 AT REAR.....2 in

AIR FLOW

