

SECTION 10 Error Codes

The codes are displayed flashing (alternating between temperature and message) on the display.

E 0

No communication between display and power modules. The control system will revert to full automatic operation selecting the best energy source available with AC first and GAS being second priority. The temperature setting will be maintained at the mid position. The power module will continually attempt to reestablish operation of the display module. Test control cable between upper and lower control, control (on-off) panel and lower board, clean all grounds, and try a **different DC power source**. If problem still exists change lower control board.

E 1

Hardware fault in the gas operation system. Test Upper and lower controls, solenoid, wire harness, clean all grounds and try a **different DC power source**. If problem still exist change lower control board.

E 2

A failure of the temperature sensor device or associated electronic circuitry has occurred. If the connection to the temperature sensor is faulty or the circuit to the thermistor is open. The cooling unit will shut down to keep from freezing the water tank in the refrigerator. Test Thermistor. There has been a rare occasion where the lower control board will not detect the thermistor.

Error Code Tips.

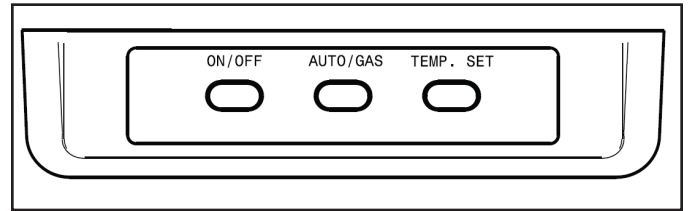
The DC line to the refrigerator should be a dedicated line. Other components on the DC line could cause the voltage to vary. Changes in voltage could/will/may create an error code. It is possible for flame failure to occur even on AC operation. When on AC operation the flame failure safety checks are running constant. It does not mean the unit is not operating on AC; just the unit has detected a problem or glitch and shut down the gas side. Turning the unit off and back on should eliminate the gas failure.

SECTION 11 Diagnostic Mode

11.1 Diagnostic Test

To perform a diagnostic test:

1. Turn off the refrigerator. (press ON/OFF button)
2. Press and hold the TEMP. SET button and then, press the ON/OFF button.
3. Release the TEMP. SET button. Press it again to toggle the list of functions step by step.



Number	Test Function	Test Indication	Test Results Indication
1	All outputs off	F	E 0 Communication Fault E 2 Temperature sensor fault The actual temperature at the sensor (°F).
2	Turn LAC heater on	L H	E 0 Communication Fault 0 N LAC heater on Press the lamp switch. The lamp should still be on.
3	Turn AC heater on	A C	E 0 Communication Fault 0 N AC heater on " " AC heater off, AC not available
4	D+ status (if D+ is connected) Not available on all models	D P	E 0 Communication Fault 0 N D+ high " " D+ low
5	Run gas (one attempt only)	L P	E 0 Communication Fault E 1 Igniter & valve off, gas hardware fault 0 N Igniter & valve on F L Igniter off & valve on flame detected " " Igniter & valve off, gas problem (check gas) (If flame is not ignited within 45 seconds)