

Electronic Control Failure Codes and Probe Readings

The Garland digital control has a self-diagnostic program. If a problem occurs within the digital controller you may see one of the F codes below.

- F1 Relay Output is Enabled When Not Cooking** The cook relay is closed with no call for heat.
-Control should be Replaced.

- F2 Over Temperature Alarm.** The control is sensing an oven temperature 50 degrees or more above the maximum temperature of 500°.
-Check the probe wiring and the probes resistance and replace if faulty
-If probe is functional, replace the control

- F3 Open Probe Circuit.** The control is sensing an open circuit at the probe input.
-Check the probe wiring and the probes resistance and replace if faulty
-If probe is functional, replace the control

- F4 Shorted Probe Circuit.** The control is sensing a short circuit at the probe.
-Check the probe wiring and the probes resistance and replace if faulty
-If probe is functional, replace the control

- F5 Relay outputs not enabled when cooking.** The control is in cook mode and the heat relay is not closing.
-The control should be replaced

- F6 No 60Hz input.** The control does not sense the input power.
-Check the power supply for noise
-If the supply is correct, replace control

- F7 EEPROM.** The control has detected that the calculated EEPROM check sum is not the same as the expected cl
-Reset power to control and if problem persists, replace control.

Take a temperature reading with a thermometer in the center of the oven cavity and the find that temperature on the chart below

For example at 320 degrees you should have 1594 Ohms.

Temp (°F)	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°
0°	932	953	974	995	1016	1038	1059	1080	1101	1122
100°	1143	1163	1184	1205	1226	1247	1267	1288	1309	1329
200°	1350	1370	1391	1411	1432	1452	1472	1493	1513	1533
300°	1553	1574	1594	1614	1634	1654	1674	1694	1714	1733
400°	1753	1773	1793	1813	1832	1852	1871	1981	1911	1930
500°	1949	1969	1988	2008	2027	2046	2065	2085	2104	2123