

## Thermistor not included in the Parts Breakdown on IPL

**MODEL/SERIAL #** E32AR75FPS, E32AF75FP

**PROBLEM** Location and part number for the thermistor.

**CAUSE** The thermistor is not listed on the IPL parts breakdown.

**SOLUTION** The thermistor is located on back wall underneath the evap cover on upper right-hand side (near the wire passageway). Part number is 297110400. There's a connector on this harness so the tech does not have to splice into the wire.

Below is a resistance tolerance chart, for testing the thermistor resistance at different temperatures.

Resistance of Thermistor in K  $\Omega$  Ohms vs Temperature

TEMP (°C)	TEMP (°F)	K- $\Omega$ NOMINAL	K- $\Omega$ MINIMUM	K- $\Omega$ MAXIMUM	TOLERANCE
25°	77°	10	9.7	10.3	3.41
0°	32°	32.7	31.7	33.6	2.91
(-15°)	5°	72.9	70.6	75.3	3.21
(-20°)	(-4°)	97.1	93.8	100.3	3.32
(-30°)	(-22°)	177	170.7	183.3	3.55
(-40°)	(-40°)	336	322.9	349.1	3.91

### Thermistor Diagnosis

If there is, a thermistor error, the display will alternate between "E" and the temperature setting. You may identify the type of error in diagnostics mode.

If there is, a failure in relation to the thermistor the freezer will enter full; compressor run mode makes it a fail-safe situation.

Press the ALARM RESET button to display the thermistor status.

- If the thermistor is operating correctly, "--" is displayed.
- If the thermistor is open-circuited, "0" is displayed.
- If the thermistor is short-circuited, "S" is displayed.