

Revision Date: 12/17/2024

Subject: E320 Error Code

Models: ECO, CAC, FJM

Title: OLP Sensor is Open or Short

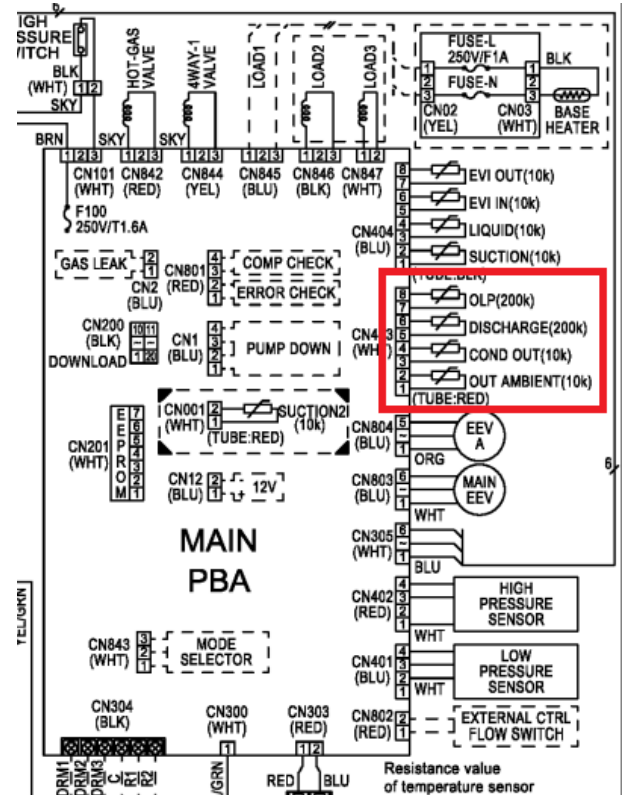
Troubleshooting Steps

1. Locate the OLP sensor on the outdoor unit Main PCB.
2. Ohm the sensor and compare it to the resistance chart below. If the sensor is out of range, replace the sensor.
3. If the sensor tests within range, replace the Main PCB on which the sensor is connected.

TEMP. (°F)	MAX (kΩ)	CENTER (kΩ)	Min (kΩ)
32	563.1	553.50	515.2
41	476.1	446.20	417.1
50	385.1	362.40	340.2
59	312.6	295.40	278.5
68	256.6	242.50	229.5
77	210	200.00	190.0
86	174.6	165.70	156.8
95	145.8	137.80	130.0
104	122.5	115.40	108.4
113	103.3	96.95	90.8
122	87.87	81.92	76.5
131	74.47	69.44	64.6
140	63.65	59.16	54.9
149	54.55	50.54	46.7



OLP sensor: 200kΩ at 25°C
 Discharge sensor: 200kΩ at 25°C
 COND. sensor: 10kΩ at 25°C
 Outdoor unit temperature sensor: 10kΩ at 25°C



Always refer to wiring diagram for specific model.

Use the link below for a model search and see the technical data book for the wiring diagram.

<https://www.samsunghvac.com/downloads>