

Samsung RS25H model side-by-side refrigerator error codes

searspartsdirect.com/diy/error-codes/refrigerator-repair/1234589/samsung-rs25h-model-side-by-side-refrigerator/1482

These error code explanations can help you diagnose a problem with Samsung your RS25H side-by-side refrigerators. For how-to information, visit the PartsDirect [repair help section](#), which

The image shows the Samsung logo in a bold, blue, sans-serif font. The letters are evenly spaced and centered horizontally.

includes DIY help for major appliances, lawn

and garden equipment, garage door openers, vacuum cleaners and more. Search for your model number to find a complete list of replacement parts for your refrigerator.

This type of refrigerator displays an error code on the freezer and refrigerator temperature digital displays when the control detects a component failure. The freezer temperature display shows the number designation of the code and the refrigerator temperature display shows E.

When the control detects a communication error between the control panel and the electronic control board, the freezer temperature display shows Er and the refrigerator display shows Pc.

Refer to the chart below to find the cause of the error code and get troubleshooting advice to clear the code.

The refrigerator may work properly even though the control displays an error code. A power outage can sometimes cause the control to detect a problem and display a code. The control may continue to display the code even if the component failure no longer exists. To reset the display so it shows freezer and refrigerator temperatures, press and hold the Energy Saver and Lighting buttons simultaneously for 8 seconds. The error code will disappear and the display will resume normal operations.

If the code reappears on the display, follow the troubleshooting steps in the chart below to fix the problem being detected and clear the code.

If you cleared an error code from the display and encounter cooling problems in the refrigerator, the component problem that caused the code likely still exists even though you cleared the code. You can redisplay a detected error code by pressing and holding the Energy Saver and Lighting buttons simultaneously for 8 seconds. The display will chime and display the code for 1 minute. The display will then revert back to showing freezer and refrigerator temperatures.

Follow the troubleshooting steps described for the code to fix the component failure and clear the code.

1 E

Freezer temperature sensor failure

Check/Repair

Unplug the refrigerator and check the wire harness connection on the freezer temperature sensor. Reconnect the wire harness if it's loose. If the wire harness connection is okay, check sensor resistance using a multimeter. The meter should measure about 5,600 ohms if the sensor temperature is 72 degrees (room temperature), 13,290 ohms at 32 degrees and 29,000 ohms at 0 degrees. Replace the temperature sensor if resistance is off by more than 10 percent. If sensor resistance is okay, reinstall the temperature sensor and check the sensor's wire harness connections to the electronic control board (sky blue wire and gray wire on CN30). Reconnect the wires if loose. If the wire connections are okay, disconnect the sensor wires from the electronic control board and measure resistance through the sensor's wires. The meter should read the same resistance as for the temperature sensor. If the meter measures correct sensor resistance through the wires, you'll likely need to replace the electronic control board because it's not accurately detecting sensor resistance. Find and repair the sensor wiring failure if the meter measures infinite resistance through the sensor wires.

How-to help

[How to replace a refrigerator thermistor](#)

Possible parts

Freezer temperature sensor, Electronic control board

2 E

Refrigerator compartment temperature sensor failure

4 E

Freezer evaporator defrost temperature sensor failure

5 E

Refrigerator evaporator defrost temperature sensor failure

6 E

Ambient temperature sensor failure

8 E

Ice maker temperature sensor failure

13 E

Humidity sensor failure

21 E

Freezer evaporator fan failure

22 E

Refrigerator evaporator fan failure

23 E

Condenser fan failure

24 E

Freezer evaporator defrost system failure

25 E

Refrigerator evaporator defrost system failure

26 E

Ice maker failure

41 E or Pc Er

Communication error between the control panel and electronic control board

71 E

Freezer compartment temperature too high

72 E

Refrigerator compartment temperature too high

81 E

Compressor failed to start

82 E

Inverter board failure

83 E

Compressor is drawing abnormal current

84 E

Compressor locked

86 E

Voltage supply to the compressor is too high