

Liquid Level Sensor Checkout

Use a Voltmeter set to DC Volts:

1. Measure the voltage from terminal J7-1 to J7-3. You should measure between 4.75 and 5.25 VDC.
2. If the measurement is between 4.75 and 5.25 volts, skip ahead to step 6.
3. If the above measurement does not fall between 4.75 and 5.25 VDC, disconnect the sensor from the module and re-measure the voltage at the module.
4. If the measurement with the sensor disconnected is still out of range, the module is defective and should be replaced.
5. If the measurement with the sensor disconnected is in range, the sensor is defective and should be replaced.
6. Measure the voltage from J7-2 to J7-3 on the RTHC Stepper module with the sensor connected.
7. The voltage should measure between 0.5 and 4.5 VDC. If it is not, replace the sensor.
8. Disconnect the sensor, and hook up a 1.5 Volt battery across Stepper module terminals J7-2 (to battery +) and J7-3 (to battery -). View the evaporator liquid level in the Refrigerant Report. The liquid level should read -0.4 inches. Connect the battery to terminals J7-1 (to battery +) and J7-2 (to battery -) The liquid level should read 0.5 inches. If either of these readings is incorrect, replace the RTHC Stepper module.