Technical Data Sheet

Troubleshooting the 290090 Thermal Conductivity Sensor

	3110, 310, 3950
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Troubleshooting the 290090 thermal conductivity CO2 sensor
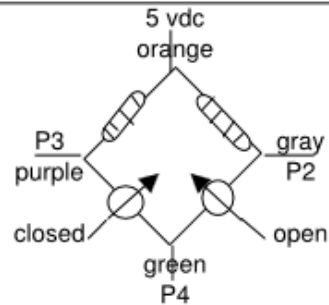
Test
A. Pin 3 to Pin 4~2vdc ----closed side is not open or shorted
B. Pin 2 to Pin 4~2vdc ----open side is not open or shorted
C. Pin 2 to Pin 4 As the percent CO2 goes up, the voltage goes down.
D. As the condition changes from wet to dry, CO2 increases 2.5 - 3.5%.

* "Z" & "S" values are factory calibrated for 37℃, 90%RH, and 10% CO2.
* Typical drift with time is offset only(use "CAL" menu)
* If the temperature is changed the zero and span will change. Change the "ZERO" in the "CAL" menu and the "SPAN" in either "TEST MODE"(Series II) or "CAL" menu(previous releases)