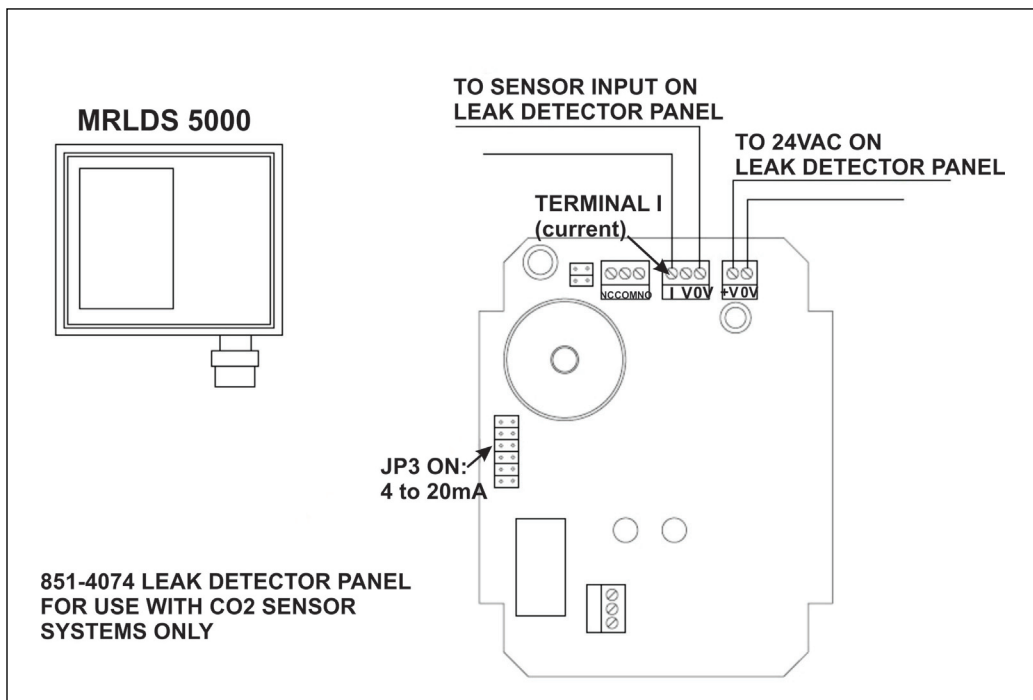


Startup Procedure for the Multi-Zone CO2 Leak Detector Panel (P/N 851-4074)

During the startup procedure for the Multi-Zone CO2 Leak Detector Panel (P/N 851-4074 for use with CO2 systems only), you may notice that the spill threshold setpoint is 4900 PPM instead of 5000 PPM. **4900 PPM is the correct setting for the spill alarm.** The CO2 sensor is +/- 2% accuracy. 2% of 5000 PPM is 100 PPM. At full range, a sensor within 2% tolerance will read between 4900 PPM and 5100 PPM. For example, if you are testing the sensor and the highest reading achieved is 4920 PPM, that reading is within 2% tolerance and the sensor is operating correctly. For reliable spill detection, the spill alarm threshold setpoint must be set at the bottom of the tolerance range (4900 PPM). Changing the spill alarm threshold above 4900 PPM may result in spills going undetected by the Multi-Zone CO2 Leak Detector Panel.

Verifying An Effective Spill Level Value

1. Disconnect the wire from Terminal I (current).
2. Set your volt meter to read DC mA.
3. On the MRLDS or CO2 sensor, place one lead of the meter onto Terminal I (current).
4. Then place the second lead of the volt meter onto the wire that was just removed from Terminal I (current) to complete the circuit.
5. When the sensor is saturated with CO2 from a test source, the attached volt meter should read between 19mA and 20mA.



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