



## HALL EFFECT SENSOR QUICK REFERENCE GUIDE

### TOOLS REQUIRED

Multimeter, capable of reading out DC volts (approximately 20V range) and frequency (Hz)\*

### CHECKING VOLTAGE

1. Unplug sensor.
2. On the harness side, touch the black lead from the multimeter to the black wire on the harness.
3. Touch the red lead from the multimeter to the red wire on the harness.
4. The voltage should read approximately 13 volts on the multimeter.
5. On the harness side, touch the black lead from the multimeter to the black wire on the harness.
6. Touch the red lead from the multimeter to the green wire on the harness.
7. The voltage should read 5 volts or more. This voltage depends on the circuit input and will be different for different devices. This voltage definitely should be greater than 0 volts.

### FREQUENCY

1. Set the multimeter to frequency (Hz)\*.
2. Touch the black lead of the multimeter to the black wire on the sensor side.
3. Touch the red wire of the multimeter to the green wire on the sensor side.
4. Connect the sensor to the main harness via the 3-pin Weatherpack connector.
5. Rapidly wave a metal object (such as a screwdriver) in front of the sensor.
6. The volt meter should register a frequency in Hz\*.

\*If a frequency counting multimeter is not available, measure this same signal line with a DC voltmeter and look for voltage fluctuations as an indication that the signal line is responding to the screwdriver movement.