

OPERATION

The tire pressure in each pneumatic tire should be set at the cold operating pressure (PSI) recommended by the tire manufacturer. This will optimize the performance accuracy of the **Run Safe™** Electronic Tire Pressure Warning System, as well as optimizing the performance and life of the tire.

At the time of programming the receiver display, you will enter the four digit serial number of the sensor and the desired tire location code you select, i.e. A1 for right front, or any identification or naming code you normally use for vehicle tire location.

The Sensor will record the initial tire pressure and store it in memory. At thirty (30) second intervals the sensor will read the pressure and compare it to the pressure stored in memory. If the pressure is within +/-15%, no fault will be reported to the receiver/display. If the pressure varies by more than +/-15%, a fault (HI or LO) is reported to the receiver/display unit. (Note: The threshold alarm points can be programmed to meet specific application needs.) The fault (HI or LO) reads out on the display screen for the operator to view and take the appropriate action. The fault report is also stored into the system memory in the receiver/display unit for review by the operator or subsequent download for analysis.

If the sensor has had no fault reports during a twelve-(12) hour interval, the sensor will report an A-OK to the receiver/display. This function tells the operator that the sensor is still operating correctly. The sensor will also check the battery power and report a low battery fault if the power goes below 3 VDC.