

Tire Sentry

Tire Pressure Monitoring System

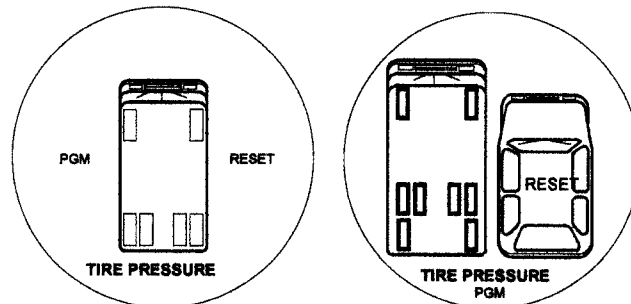
OPERATION

A Tire Sensor consisting of a pressure sensor & transmitter is attached to the valve stem of each tire, and pre-set to a "trigger pressure" or PSI that will activate the alarm signal when a tire drops below its recommended air pressure level. A coded wireless signal is sent to the Receiver Module that decodes the signal to light the appropriate LED on the instrument Display. A beeping tone will alert the driver, while a red light will identify which tire losing air pressure, (*the audible alarm will not activate unless the Ignition is ON, and will automatically stop beeping after 30 seconds*).

The Tire Sentry continuously scans all wheel Sensors for loss of pressure even when parked or in storage. It stores any incidents of pressure loss or *Low Battery* in its memory until the IGN. is turned back on and the dash Display is activated.

When a signal is received that lights a wheel position on your Display Instrument, push RESET to confirm a signal is a valid *low tire* signal, or to clear the memory after inspecting and correcting any tire pressure, or low battery problems.

If a *Low Tire* signal is ignored for any length of time, the Display will light other tire positions in an effort to attract your attention. If more than 1 tire position is blinking, push the *RESET* button to clear the other lights.



2 Axle Vehicle

3 Axle with Tow Vehicle

Note: Your Display Instrument is coded for operation with your vehicle's tire sensors in an effort to minimize stray transmissions from other sources. *If additional or replacement sensors are required, they may be programmed by your Display instrument by activating the sensor and pressing the PGM button on the Display.*

Antenna Installation

Most vehicles will obtain good signal reception using the short antenna attached to the back of the Display Instrument. If signal reception from all tires is unsatisfactory, an external antenna installed under the coach may be required

External Antenna Installation

If a towed vehicle is also to be monitored your **Tire Sentry** model may be equipped with an external antenna and cable. External antennas are installed under the chassis (or through the storage bays), to the rear of the coach.

Run the black Antenna Cable from the instrument panel to the undercarriage of the vehicle, (*this may require drilling a 1/2" hole through the firewall*).

Select a location to install the antenna mounting Bracket as far to the rear of the RV as the cable will allow, and so that yellow antenna extends below the steel frame. For best signal reception, the antenna should be at the center of the coach, and within 25 feet of the rear tires of a tow-car. Secure the cable under the chassis with the nylon cable ties provided, and attach (hand tighten), the antenna to the mounting bracket.

TIRE SENSORS

Wheel Sensors are pre-set at the factory or by your Dealer for the *inflation pressure recommended* for your vehicle's tires. The Wheel Sensors are designed to operate with air pressures that may exceed normal operating pressures, and can not be damaged by normal over-inflation that may result from excessive hot weather or road conditions.



The 2 Batteries required to power the Tire Sensors are already installed in each sensor. *Battery polarity must be observed by keeping the base (marked +) up and facing you.*



Each wheel sensor cap is marked for its specific wheel location (**2R, 3L**, etc.), as it relates to the instrument display. 1L goes on the Left Front; 2L goes on the Left Outside Dual Drive Wheel; 3L goes on the Left Inside Drive Wheel.

Tag Wheels (if so equipped) are marked 4L & 4R.

Tow-vehicle sensors are marked with the customary **RF, LF, RR, LR** designations.

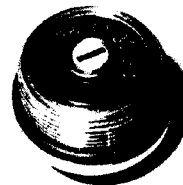
Tire Sensor Installation

Note: *It is not recommended installing your tire Sensors on flexible air valve Extenders unless they are properly secured to the wheel. Although the sensors weigh less than 1 oz., adding this additional weight to some Extenders may result in damage to the valve or the sensor if not properly secured to prevent any movement. If Extenders are required, it is recommended using rigid steel extenders.*

Check and inflate all tires to their normal operating pressure. With the ignition OFF the Display Instrument is still active and you can begin to install the wheel sensors.

Activate one sensor at a time by removing the colored insulating disk from the inside of the sensor, (*care should be taken to maintain proper battery polarity if you should remove a battery*). Secure the Sensor's two halves-together (*hand tighten only*). Take a wheel sensor to its respective wheel location (marked on the sensor dome, **2L, 3R** etc.), for your RV, and **RF, LR** etc. for the tow-vehicle.

The sensor's pressure base will show the cold inflation pressure it is pre-set for. You can reset the pressure setting if necessary when tire pressure requirements or loading conditions may change.



Screw the sensor onto its respective wheel by just a thread or two so NOT to engage the valve-core and pressurize the sensor. This will keep the sensor transmitting until you press RESET to check for good signal transmission from that wheel location. Once satisfied that a signal is being received from that wheel location, secure the sensor (hand tighten) onto the valve so the sensor is now pressurized. *The sensor will stop transmitting if the tire is properly inflated.*

Repeat this process until all sensors are on their respective wheels.

Note: *Make sure that the sensors are not resting on or touching the wheel rim, or buried in the rim hole. Accessory valve-stem Extender Kits are available in ½" and 1" lengths from the Customer Service Dept. or your RV accessory Dealer. Longer rigid steel extender kits and Rubber Grommets are also available for Alcoa aluminum wheels from most RV equipment and accessory Dealers.*

Note 2: *It is recommended that an Anti-seize compound such as Permatex™ #133 be applied to valve-stem threads where salt spray, or salted road conditions may be encountered.*