



Troubleshooting 101 - Commonly Asked Questions

How do I turn the display on and off?

On the **510 system**, press and hold the (-) button on the lower front face of the display. On the **507 system**, slide the switch on the right side of the display up to turn it on and down to shut it off. NOTE: If either display is plugged into a constant 12v source, you must unplug the display to turn it off.

What do I do if a sensor is not reading after being programmed?

- 1) Remove the sensor from the valve stem, wait 5 seconds and reinstall it. This will reset the sensor.
- 2) If the above step doesn't work, try putting the non-working sensor on another tire where the sensor IS working. Note that the sensor will still appear on the tire position you coded on the display, NOT the tire position you just put it on.
- 3) Check the battery voltage on a 507 sensor. The battery voltage should read over 3 volts for the sensor to function properly. The 510 sensor does not have user replaceable batteries.
- 4) Try re-coding the non-working sensor to the display using the procedure in the manual.

Why does my display sometimes “drop” readings on random sensors?

- 1) If your RV is more than 34' long, you will need a powered repeater to amplify the signals from the tire sensors to the display. If you do not have a repeater, that may cause this issue while driving. You can order a repeater from the TST website or by calling 770-889-9102.
- 2) An atomic clock or indoor/outdoor temperature gauge can also cause this issue. They emit radio frequency signals that can interfere with the sensor transmission. Try removing the batteries from the clock and the batteries for the external temperature transmitter and internal temperature display. This should solve the dropout issue. You can replace an indoor/outdoor thermometer system with one that has a 915 Mhz transmitter which will not affect the sensors.

How do I enter a pressure lower than 101 in the display?

If your tire pressure is lower than 100 lbs., you must enter the low-pressure alarm first, before setting the high-pressure alarm. Hold the “MODE” button until it beeps and release. Quickly push and release the mode button until you get to the axle you want to set the pressure on. On each axle, the high-pressure setting is first, so press “MODE” again to set the low-pressure alarm for that axle. Set all the low pressures first and go back around using the “MODE” button and set the high-pressure alarms on those same axles. Be sure to save your changes by pressing and releasing the “SET” button.

Why does my display alarm at night?

Tire pressures will lower in the evening as the ambient air temperatures decrease. In cold conditions we suggest shutting the display off until the ambient temperature rises, or you begin driving again.

Is the 510 system compatible with the 507 system?

No. Each system operates differently.

Why is my display alarming?

Normally, the display is alarming because the sensors are transmitting data that is out of the parameters you set up. This can happen for the following reasons:

- 1) There is a Rapid Leak in a tire.
- 2) The Tire Temperature is high.
- 3) There is a High or Low Pressure reading in a tire.
- 4) A sensor battery is almost depleted.
- 5) The display lost the signal from a sensor.

When the display alarms, an icon will blink near the bottom of the display screen and the tire in question will have its pressure or temperature blinking on the display screen as well, signifying a problem with that tire position.

When the alarm sounds, you can quiet the audible alarm, for a short while, by pushing any button on the display. The visual red light will continue to blink until the issue is resolved. We recommend checking your tires to verify the issue. If everything is okay, you may have to re-set your parameters.

What should I set my pressure and temperature parameters at in the display?

The recommended high-pressure alarm should be set at 20% above your normal tire pressure you typically run in your tires. The low-pressure alarm should be set at 10% below your normal tire pressure. In areas of high ambient heat, like Arizona or Florida, the high-pressure alarm should be set to 25% above your normal operating pressure to avoid unnecessary alerts. For your temperature setting, the default of 158° is safe for all tires. Tires typically fail between 170 – 200° F.

Does the vehicle have to be in motion to work?

No, the system is designed to display when stationary or when moving.

How can I turn on the display's back-light?

The display has a sensor that will automatically turn on the back-light when the ambient light fades. If you want to keep the back-light on, put a piece of electrical tape over the sensor located on the bottom left hand corner of the display.

How can I electronically disconnect the trailer on the screen?

Press and hold both the "MODE" and the (-) button at the same time as you watch the screen. The trailer tires will disappear from the screen and not be displayed. When you want to reconnect the trailer on the display, push and hold the same two buttons and when the trailer reappears on the screen, release the buttons.

What is the accuracy of a sensor?

The sensors have a 3-4% tolerance for pressure and temperature. Also note that your pressure gauge can also be incorrect. If the sensor readout is out of specifications, you can try slightly unscrewing the valve core in your valve stem so the core plunger is better pushed by the sensor, thus allowing more air to penetrate the sensor for a more accurate readout.