

Truck System Technologies Tire Pressure and Temperature Monitor **TM 510RV Quick Installation Guide**

Connect the charger to the monitor and a 12 volt source.

While the monitor is charging, install the sensors onto the valve stems using the tool included in the set.

- While installing the sensors, you will hear the hiss of air before the final turns of the sensor.
- The sensors should be firmly tightened. Do not use a very heavy hand or a wrench to tighten them.
- You may need various extensions to make it easier to access your valve stems. A good source for high quality extensions and valve stems is Jane or Jerry Lihou at *Always Shiny Wheels and RV*. They can help you figure out what will work with your RV or truck or tow car. The phone number is 714-749-7560 or go to www.shinyrv.com.
- Have some soapy water on hand to test for air leaks when installing extensions or sensors on your valve stems.
- It may be helpful to record the serial numbers on a diagram before installing each sensor.

DO NOT INSTALL SENSORS ON RUBBER VALVE STEMS OR PLASTIC EXTENSIONS. Your local tire shop can change your rubber valve stems to steel valve stems for a nominal fee, usually without removing the tires.

It is advisable to set your parameters on the monitor before inputting the serial numbers so that the alarm will not go off while inputting your serial numbers.

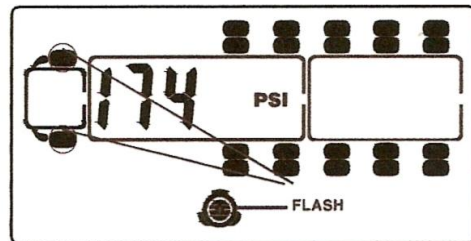
Turn the monitor on using the side power switch.

Hold the MODE button down for about six seconds until the parameter settings are displayed.

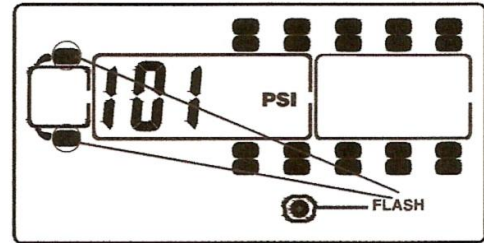
The first screen should show a flashing PSI icon in the left box. If this is the way you want to read your tire pressure, press the MODE button once to move to the next screen. There should be a C for Celsius or an F for Fahrenheit displayed in the right box. Use the + button to change from C to F.

Tap the MODE button again to move to the next screen. It should look like this.

You are setting the high pressure alarm for the two front tires (represented by the flashing front tires and the flashing “fat tire for high”). We have found that setting the high parameter about 20 PSI higher than our correct tire pressure of 100 PSI works for us (any lower and the alarm seems to go off needlessly on long driving days in very hot weather), but you may set this where you like. So, using the – (minus) or + (plus) button, tap it until you reach the appropriate number. Keep in mind that you cannot move this setting lower than where the low pressure alarm setting is at (usually 100) so you may have to move on, set the low parameters and come back to the high setting.



Tap the MODE button again to move to the next screen. It should look like this.



You are setting the low pressure alarm for the two front tires (represented by the flashing tires and the flashing “skinny tire for low”). We have found that setting the low parameter about 10 PSI under our correct tire pressure of 100 PSI works for us (any higher and the alarm seems to go off needlessly on cold mornings), but you may set this where you like. So, using the – (minus) or + (plus) button, tap it until you reach the appropriate number. On our tow car, where the correct tire pressure is 35 PSI, we set the high parameter at 45 and the low parameter at 28.

You will repeat this process to set three more zones (the appropriate tires will be flashing for each zone) and, using the MODE button to continue scrolling, go back to any high zones that you were unable to set.

For the high temperature setting, we left ours at the lowest setting of 157 or 158, but you can use the + button to set it higher.

When you are finished, tap the SET key to save your parameters (if you get distracted while setting the parameters, tap the SET key to save your work).

You are now finished setting the alarm parameters and you can record the serial numbers.

To input the serial numbers, hold the SET button down for about six seconds until the programming screen appears.

A tire will be flashing and there will be four F’s in the boxes. The first one will be flashing. Using the + (plus) or – (minus) key scroll to the first letter or number on your sensor. Tap the MODE button to move to the next F and, again using the + or – button, find the second letter or number on your sensor. Repeat this until your screen matches your sensor. Tap the SET button to move to the next tire.

If you accidentally hit the SET button while inputting a serial number, use the SET button to scroll back around to the appropriate tire and the MODE button to get to the letter or number where you left off.

If you are not using a position, leave all four F’s on the screen and move onto the next tire where you have a sensor. Only the positions where you have serial numbers will show up on the monitor when you are finished.

Hold the SET button down for six seconds to save the serial numbers. If you must pause for a moment, hold the SET button down to save your work and you can go back later and finish.

Now, you can walk around the vehicle to speed up the sensor data acquisition. Your monitor will find the sensors and start reading the current pressure and temperature. You can use the + or – buttons to scroll around faster.

WE HIGHLY RECOMMEND THAT YOU READ THE MANUAL!