Easy Installation

TPMS Sensor Installation

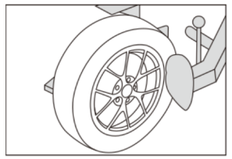
(Fig 1) & (Fig 2) Deflate and remove the tire from the wheel using a tire mounting machine.

(Fig 3) Assemble the sensor to the metal valve stem using the mounting screw (make sure to use the correct grommet size is on the metal valve stem), then remove the cap, 0.625” washer and nut (OR 0.453” nut) from the metal valve stem.

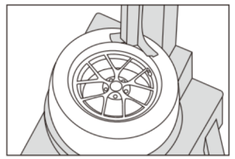
(Fig 4) Insert the metal valve stem through the wheel’s valve hole, making sure to properly seat the rubber grommet in the valve hole. Then place the back of the sensor body to face the inner surface of the rim, so the sensor is parallel to the rim.

(Fig 5) Holding the sensor in place, guide the washer (for the 0.625” ONLY) onto the metal valve stem on the outside of the valve hole. Then secure the 0.625” OR 0.453” nut on the metal valve stem and torque to 2.95 Ft-lbs (4 N-m). Once secured, affix the cap to the metal valve stem.

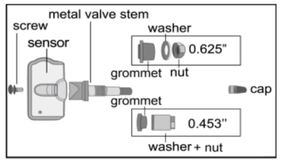
(Fig 6) Secure the sensor to the metal valve stem and torque the screw to 1.48 Ft-lbs (2 N-m).



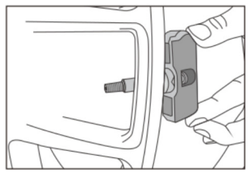
(Fig 1)



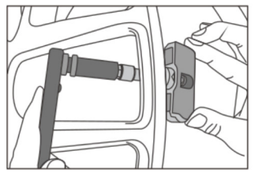
(Fig 2)



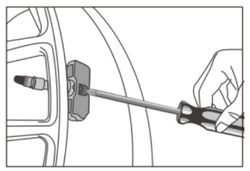
(Fig 3)



(Fig 4)



(Fig 5)



(Fig 6)

Note: Mount the tire. Grip the rim edge, and the valve is opposite to the mounting arm, avoid hitting the sensor during arm operation.

Note: After the sensors are installed, please calibrate the balance correction to avoid from fluttering during driving.

Read Tuson TPMS User Manual for complete installation information.

Tuson TPMS Models

MODEL NUMBER	TPMS4W	TPMS6W
TPMS RECEIVER (MONITOR)	✓	✓
SENSOR	4	6
IVS VALVE STEM (0.625” / 0.453”)	4	6
REPEATER	✓	✓

Accessories in the box:

- Cigarette Lighter Cable (Vin=12~24V)
- Suction Cup Holder
- Wheel Orientation Mark
- Sticker Sheet
- Cable Ties
- User Manual
- Registration Card

NEW! Interchangeable Valve Stem

Not sure what size your current valve stems are on your wheels? No worries! Tuson now makes retrofitting your tires with our TPMS system easier than ever with the interchangeable valve stems (IVS). The IVS is designed to be universally compatible with the 0.453” and 0.625” diameter rim hole sizes in passenger vehicles, towables and fifth wheels. Our IVS is currently made out of brass (aluminum version will be available soon). With the rubber or nickel-plated steel washer and rubber grommet you can rest assured that galvanic corrosion will not occur.

Parts & Accessories *(sold separately)*

Need replacement Tuson TPMS sensors or valves for your tires?

Tuson offers individual sensors and valves for sale. Kits for additional vehicle memories are also available. Additional TPMS accessories for easier ID pairing or cradle and band kits can also be purchased.

Contact one of our distributors or check out our website for more details.

Learn More at TusonRVBrakes.com

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475 Bunker Court
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inforvbrakes@tuson.com

TUSON

TIRE PRESSURE MONITORING SYSTEM

For Towables & Fifth Wheels

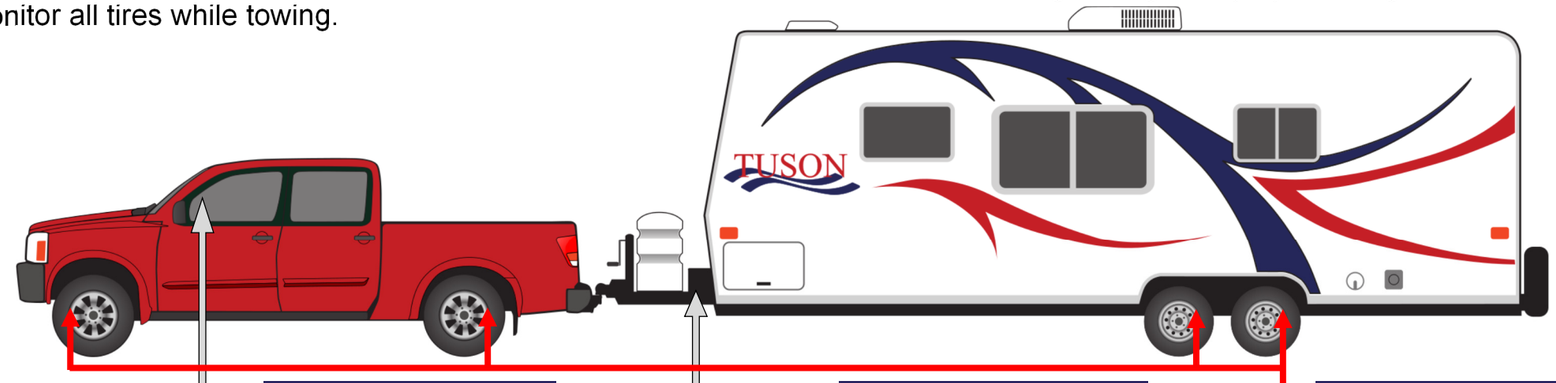
TUSON

Tuson RV Brakes, LLC

The Leader In Towable Safety Technology

TUSON Tire Pressure Monitoring System (TPMS)

Introducing the **NEW Tuson TPMS**! The new system features interchangeable valve stems (IVS) that are universally compatible with both 0.453" and 0.625" diameter rim hole sizes. Now with up to 3-vehicle memory and monitoring for up to 10 tires per vehicle memory all-in-one receiver. Our automotive-grade internal sensor design provides the most accurate pressure and temperature readings in real-time with 5-10x longer lasting battery life than external sensors. The RF repeater boosts Tuson TPMS also provides trailer and vehicle battery monitoring for comprehensive battery management. Tuson TPMS allows drivers to monitor the current status of all their towable tires, increasing towing safety by allowing the driver to monitor all tires while towing.



Receiver

The receiver (monitor) allows the driver to monitor the tire pressure and temperature of up to 10-wheels for up to 3-vehicle memory selection. The receiver will also monitor trailer and vehicle battery voltage. The receiver has two modes: driving and setting mode. Driving mode cycles between pressure, temperature, and trailer battery for the selected vehicle memory. Setting mode allows drivers to fully customize their trailer tire monitoring system.

RF Repeater

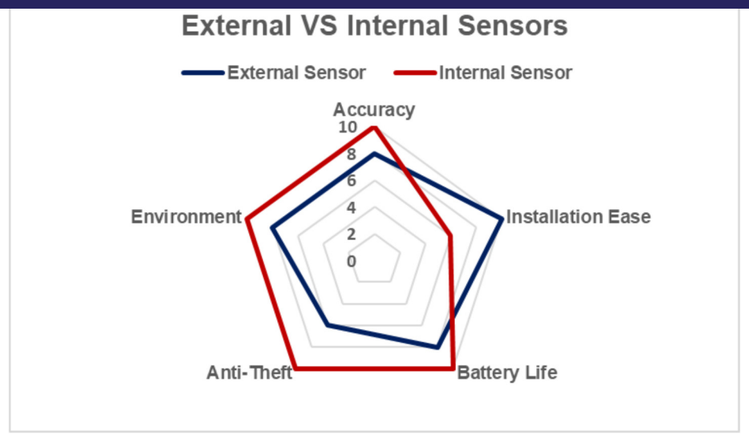
The RF Repeater is motion activated and designed to boost the signal strength from the tire sensors to the receiver (monitor) in the tow vehicle. The waterproof repeater is a plug and play device using power and ground wires to connect to the trailer battery or any constant 12/24V power source for easy installation. When powered to the trailer battery, the repeater transmits trailer battery voltage to the receiver.

Sensor

The internal sensor monitors tire pressure and temperature in real-time and wirelessly transmits data to the receiver. The sensor is attached to the valve stem inside the tire to prevent damage or theft. Internal sensors provide the most accurate and reliable pressure and temperature readings and are more environmentally-friendly with longer lasting battery life than external sensors.

Maintaining properly inflated trailer tires has been proven to:

- ☑ **Increase Fuel Economy**
- ☑ **Extend Tire Life**
- ☑ **Improves towing safety by giving the trailer better steering, stopping and traction**
- ☑ **Increase Environmental Efficiency**



Product Features

- **NEW!** Store 3-vehicle memories with up to ten (10) tires per vehicle memory
- **NEW!** IVS designed to fit both wheels 0.453” & 0.625” diameter rim holes
- Monitors tire pressure & temperature, sensors, vehicle & trailer battery voltage in real time
- Maximum pressure measured 203psi
- Visual and audible high and low pressure & high temperature alarm
- All sensors in TPMS kits come pre-paired to the receiver
- Tire pressure (psi/kPa) and temperature (°F/°C) units are selectable
- Wheel order is interchangeable
- Low power consumption, long life usage

10-Wheel Display for 3-Vehicle Memory | Real Time Tire Pressure & Temperature | Low Battery Power Alarm for Vehicle & Trailer Battery | Maximum Pressure Measured 203psi | Active Alarm

Receiver Specification

Item	Specification
Operating Voltage	12~24V DC
Operating Current	120mA
Operating Frequency	433MHz
Operating Temperature	-4°F~185°F (-20°C~85°C)
Storage Temperature	-40°F~185°F (-40°C~85°C)
Monitored Pressure Range	0~203±1.5 psi (0~1400±10 kPa*)
Monitored Temperature Range	-40°F~257°F±5.4°F (-40°C~125°C±3°C)
Size	4.5”x2.1”x1” (116.5x53x25 mm)
Weight	3.4 Oz (95g)

* Note: For kPa as pressure unit, receiver will show “HI” on the display screen if pressure value is over 999 kPa. Otherwise receiver shows the value normally in psi, Bar unit.

Repeater Specification

Item	Specification
Operating Voltage	12~24V DC
Operating Current	11.2mA
Operating Frequency	433MHz
Operating Temperature	-4°F~185°F (-20°C~85°C)
Storage Temperature	-40°F~185°F (-40°C~85°C)
Cable Length	90 inch (2300 mm)
Size	3.5”x3.8”x0.9” (88x96x23mm)
Weight	6oz (170g)