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WonVon ZLL-US-2504111

WonVon TPMS 6 External Sensors Wireless Solar Tire Pressure Monitoring System

Model: ZLL-US-2504111

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your WonVon TPMS 6 External Sensors Wireless Solar Tire Pressure Monitoring System. This system is designed to monitor tire pressure and temperature for cars, RVs, and trucks, supporting 4 to 6 tires. Please read this manual thoroughly before use to ensure proper function and safety.



Image: The TPMS monitor unit displayed alongside six external tire pressure sensors.

PRODUCT FEATURES

- **Solar Power & USB Charging:** The system features dual charging methods, solar power and USB, ensuring continuous operation and extended battery life for the rechargeable lithium battery.
- **4-6 Tire Monitoring:** Real-time monitoring of temperature and pressure for 4 to 6 tires simultaneously with high accuracy. The LCD display provides clear, high-resolution data.
- **Precise Sensor Connection:** Utilizes USA import chip design for stable and accurate signal transmission. Sensors are lightweight for easy installation and support tire position exchange.
- **Waterproof Sensors:** Sensors have an IP5K4K waterproof grade, designed to withstand various harsh weather conditions.
- **Safety Features:** Helps balance tire pressure, foresee air leakage, and reduce tire wear. Equipped with RF wireless technology for automatic alerts on abnormal tire pressure or temperature.
- **Unit Options:** Supports two pressure units (PSI, BAR) and two temperature units for user preference.

SETUP AND INSTALLATION

External Sensor Installation

Follow these steps to correctly install the external tire pressure sensors:

1. **Install Anti-theft Washer:** Screw the anti-theft washer onto the tire valve stem first.
2. **Tighten Sensor:** Screw the sensor onto the valve stem until it is hand-tight.
3. **Secure with Nut:** Rotate the anti-theft nut counter-clockwise until it firmly presses against the sensor.
4. **Final Tightening:** Use the provided wrench to tighten the anti-theft nut clockwise to secure the sensor in place.



Image: A visual guide demonstrating the four steps for installing an external tire pressure sensor onto a valve stem.

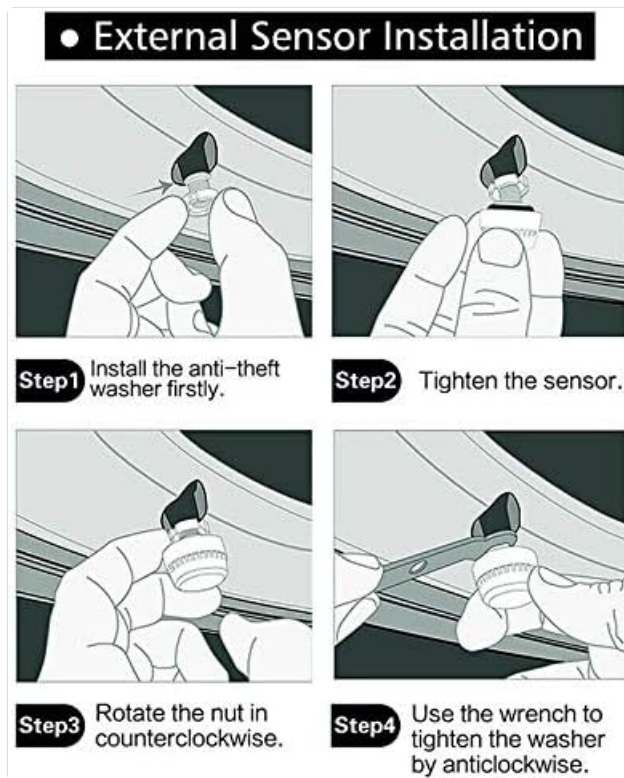


Image: Another detailed visual guide illustrating the process of installing the external sensors, including the anti-theft nut and wrench usage.

OPERATING INSTRUCTIONS

Monitoring

Once installed, the system will automatically begin monitoring tire pressure and temperature. The LCD display will show real-time data for all connected tires. The display automatically updates to reflect current conditions.



Image: The TPMS monitor unit positioned on a vehicle dashboard, showing real-time tire pressure and temperature readings.

Charging the Monitor

The monitor unit can be charged via its integrated solar panel or through the provided USB cable. Ensure the monitor is placed in an area with sufficient sunlight for solar charging. For faster charging or in low-light conditions, use the USB cable.

Alarm Function

The system is equipped with RF wireless technology to detect and alert you to abnormal tire pressure or temperature. An automatic alarm will sound if values fall outside safe parameters. Refer to the display for specific tire information when an alarm occurs.

MAINTENANCE

The external sensors are designed with an IP5K4K waterproof grade, providing protection against water and dust. Regular cleaning of the monitor's solar panel with a soft, dry cloth will ensure optimal charging efficiency. Periodically check sensor caps for tightness.

TROUBLESHOOTING

Sensor Values Not Displaying

If one or more sensor values do not appear on the display initially, try the following:

- **Rescrew Sensor:** Unscrew the problematic sensor and then screw it back on firmly to re-establish connection.
- **Drive Vehicle:** Start the vehicle and drive for a few meters. The sensors may require movement to activate and transmit data.

SPECIFICATIONS

Parameter	Value
Display Working Temperature	-20°C to 80°C (-4°F to 176°F)
Display Storage Temperature	-30°C to 85°C (-22°F to 185°F)
Sensor Working Temperature	-40°C to 105°C (-40°F to 221°F)
Sensor Storage Temperature	-40°C to 120°C (-40°F to 248°F)
Pressure Range	0-116 PSI (0-8 BAR)
Pressure Precision	±1.5 PSI (±0.1 BAR)
Sensor Waterproof Grade	IP5K4K
Model Number	ZLL-US-2504111
Product Dimensions	16 x 14 x 6 cm
Item Weight	259 g
Material	Plastic, Metal

PACKING LIST

The package includes the following items:

- 1x Receiver (Monitor Unit)

- 6x External Sensors
- 6x Anti-theft Nuts
- 1x Wrench
- 1x USB Cable
- 1x User Manual (this document)



Image: A visual representation of all components included in the product package: the monitor, six sensors, anti-theft nuts, wrench, USB cable, and user manual.

WARRANTY AND SUPPORT

For any product inquiries, technical support, or warranty claims, please contact the manufacturer or your point of purchase. Keep your purchase receipt as proof of purchase.