Flydew T156

Flydew 6-Wheel RV Tire Pressure Monitoring System (TPMS) User Manual

Model: T156

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Flydew 6-Wheel RV Tire Pressure Monitoring System (TPMS). This system is designed to provide real-time tire pressure and temperature monitoring for RVs, dually trucks, and heavy-duty trailers, enhancing safety and efficiency on the road.



Image: The Flydew TPMS display unit and six external tire sensors.

Key Features

- **Precision Monitoring:** 24/7 monitoring with ±1.5 PSI precision across 0-144 PSI. Sensors update every 0.3 seconds.
- **6 Smart Alarms:** Includes High/Low Pressure, High Temperature, Sensor Disconnect, Low Battery, Rapid Leak, and Sensor Fault alarms. Customizable 0-144 PSI thresholds.
- **Dual Charging:** High-efficiency solar panel for continuous operation and USB-C port for backup charging.
- **Auto-Adjusting Color LCD:** Display automatically adjusts brightness for clear visibility in various light conditions.
- **Replaceable Sensor Batteries:** Sensors use CR1632 batteries for easy replacement.

What's in the Box

The Flydew 6-Wheel RV TPMS package includes the following components:

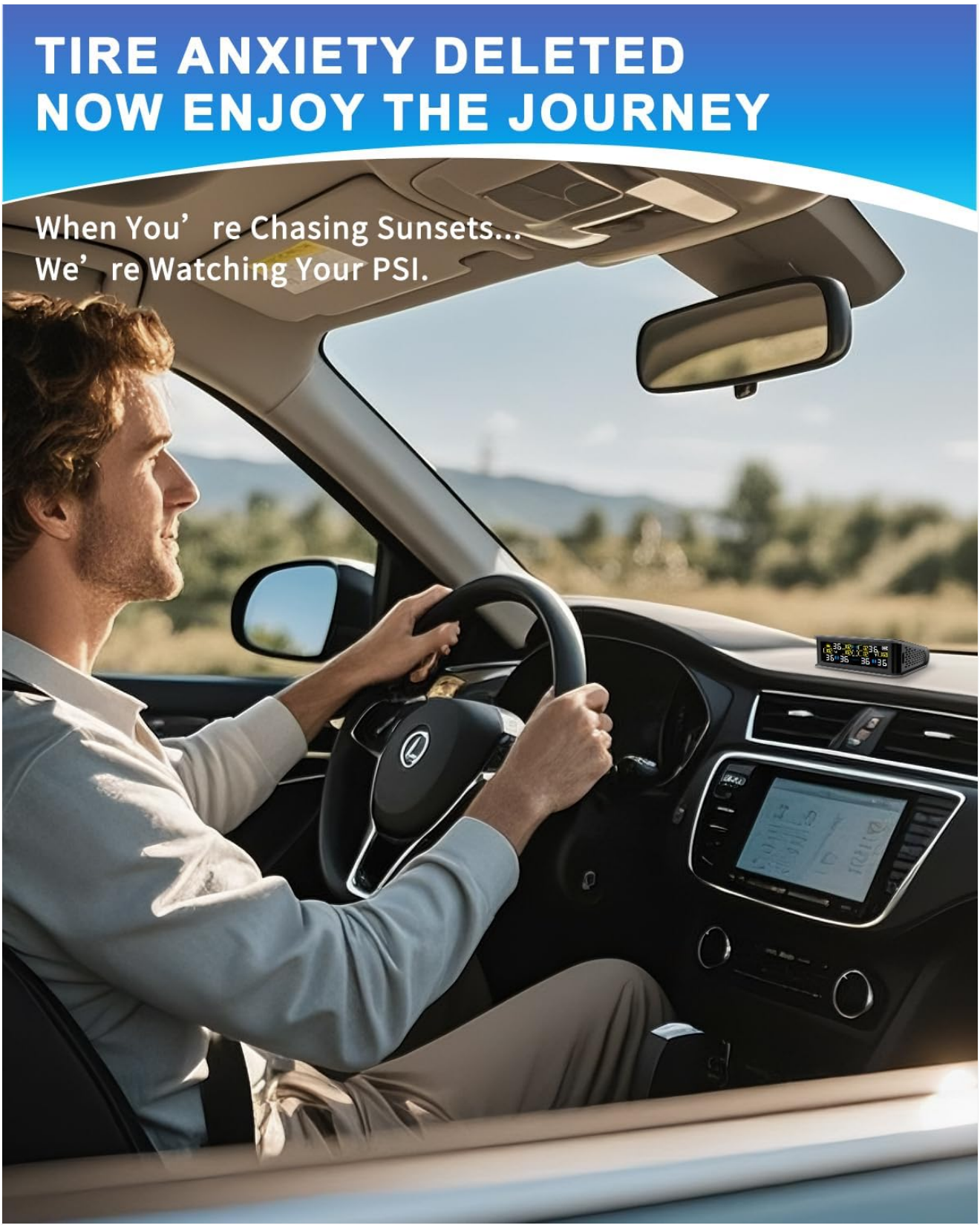


Image: Visual representation of all items included in the product packaging.

1. 1 x LCD Display Unit
2. 6 x Tire Pressure Sensors
3. 6 x Valve Stem Caps (Hex Nuts)
4. 1 x Wrench
5. 1 x USB-C Charging Cable
6. 1 x Double-sided Tape
7. 1 x User Manual

Setup and Installation

Follow these steps for a safe and effective installation of your TPMS:

1. **Power On the Display:** Press and hold the power button on the display unit for 3 seconds to turn it on. Ensure it is powered before installing sensors.
2. **Attach Hex Nuts:** For each tire, first thread a hex nut onto the valve stem.
3. **Mount Sensors:** Install the pre-numbered sensors (1-6) onto the corresponding tire valve stems in the exact order specified in the manual (e.g., Front Left, Front Right, Rear Left, Rear Right, etc.).
4. **Lock Tight:** Use the provided wrench to tighten the hex nuts counterclockwise against the sensors. This secures the sensors and helps prevent vibration-induced loosening and valve protection.
5. **Soap Water Test:** After installation, apply soapy water to each sensor and valve stem connection. Check for bubbles, which indicate air leaks. If bubbles appear, re-tighten the sensor and hex nut until no leaks are present.



Image: Visual guide demonstrating the sensor installation process.

For optimal signal reception, ensure the display unit is placed within range of all sensors, typically on the dashboard.

Operating Instructions

Display Overview



Image: Detailed diagram of the display unit indicating tire pressure, temperature, battery level, and alarm icons.

The LCD display provides real-time pressure and temperature readings for all 6 tires. It automatically adjusts brightness for optimal visibility. The display refreshes every 6 seconds.

Alarm Modes

The system features 6 specialized alarm modes to alert you to potential tire issues:

- **High Pressure Alarm:** Alerts when tire pressure exceeds the set high threshold.
- **Low Pressure Alarm:** Alerts when tire pressure drops below the set low threshold.
- **High Temperature Alarm:** Alerts when tire temperature exceeds the set threshold.
- **Sensor Disconnect Alarm:** Indicates a sensor is no longer communicating with the display unit.
- **Low Battery Alarm:** Alerts when a sensor's battery is low.
- **Rapid Leak Alarm:** Alerts to a sudden and significant drop in tire pressure.
- **Sensor Fault Alarm:** Indicates a malfunction with a specific sensor.



Image: Visual representation of the six alarm types for tire protection.

Setting Alarm Thresholds

Refer to the included user manual for detailed instructions on how to customize the high and low pressure thresholds (0-144 PSI) and temperature thresholds to suit your vehicle's specific requirements and load conditions.

Charging the Display Unit

The display unit supports dual charging methods:

- **Solar Charging:** Place the display unit on your dashboard or in an area with direct sunlight for continuous

charging during the day.

- **USB-C Charging:** Use the provided USB-C cable to charge the unit via any standard USB power source, especially useful when parked indoors or during extended periods without sunlight.



Image: The display unit being charged by solar power during the day and via USB-C at night.

Auto-Sleep and Wake Function

The display unit is designed to conserve power by entering a sleep mode after 5 stationary minutes. It will instantly wake up (within 0.3 seconds) upon detecting engine vibration or touch, ensuring real-time monitoring resumes quickly when you start driving.

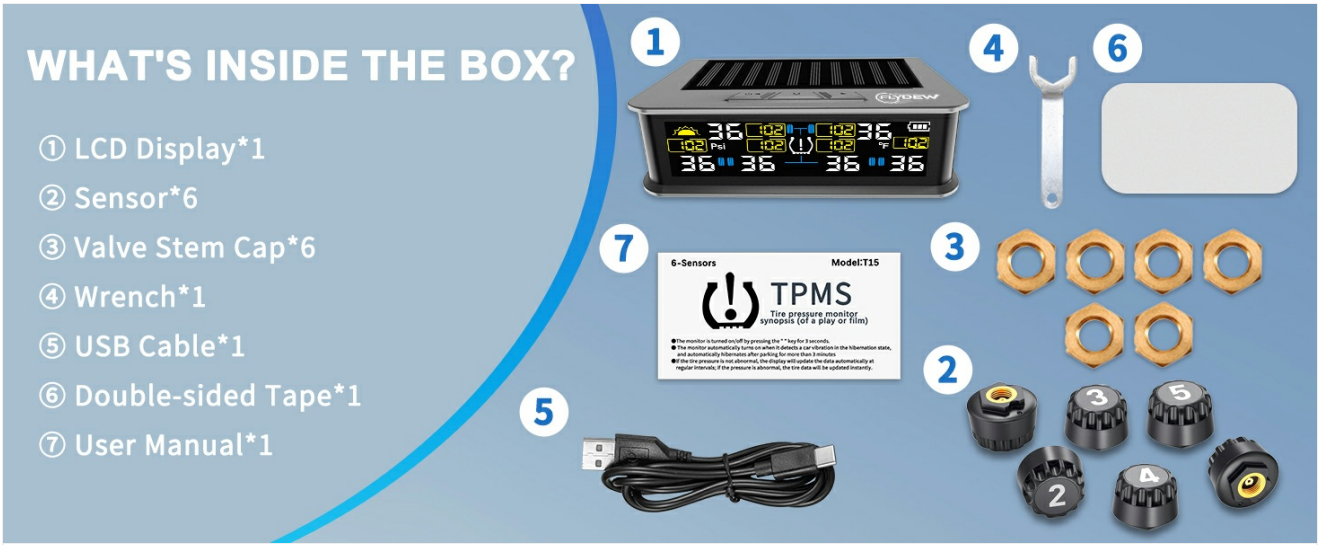


Image: The display unit in sleep mode when stationary and waking up with vehicle movement.

Product Demonstration Video

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Video: A brief demonstration of the Flydew TPMS display unit in operation, showing real-time tire pressure readings.

Maintenance

Sensor Battery Replacement

The external sensors use replaceable CR1632 coin cell batteries. When a low battery alarm is triggered for a specific sensor, replace its battery promptly to ensure continuous monitoring. To replace the battery:

1. Unscrew the sensor from the valve stem.
2. Carefully open the sensor casing (refer to the detailed manual for specific instructions on opening).
3. Remove the old CR1632 battery and insert a new one, ensuring correct polarity.
4. Close the sensor casing securely and re-install it on the valve stem, following the installation steps.

General Care

- Keep the display unit clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the display unit to extreme temperatures or direct water immersion.
- Ensure the solar panel on the display unit is unobstructed for efficient charging.
- Periodically check sensor tightness, especially after long trips or off-road use.

Troubleshooting

Problem	Possible Cause	Solution
Sensor not displaying readings / "---" shown	Sensor not installed correctly, sensor battery low/dead, sensor out of range, sensor fault.	Re-install sensor, replace sensor battery, ensure display is within range, contact support if fault persists.

Problem	Possible Cause	Solution
Inaccurate pressure readings	Sensor not fully tightened, external interference, sensor fault.	Ensure sensor is tightly secured (perform soap test), move display unit, compare with a reliable pressure gauge.
Display unit not charging	Insufficient sunlight for solar charging, USB cable/port issue.	Relocate display to direct sunlight, try charging with USB-C cable and different USB port.
Alarm sounds frequently	Tire pressure/temperature outside set thresholds, thresholds set too narrowly.	Check tire pressure/temperature and adjust if necessary. Adjust alarm thresholds in settings if appropriate for your vehicle's load.

If you encounter issues not covered here or require further assistance, please refer to the full user manual or contact customer support.

Specifications

Brand: Flydew

Model Number: T156

Pressure Range: 0-144 PSI

Pressure Accuracy: ±1.5 PSI

Sensor Update Rate: 0.3 seconds

Display Refresh Rate: 6 seconds

Charging: Solar / USB-C

Sensor Battery Type: CR1632 (replaceable)

Item Weight: 7.8 ounces

Package Dimensions: 6.14 x 5.24 x 1.69 inches



Image: Diagram showing the dimensions and key features of the display unit and sensors.

Warranty and Support

The Flydew 6-Wheel RV TPMS is backed by an industry-leading **3-year warranty**.
For personalized guidance, technical support, or warranty claims, please contact our TPMS specialists via Amazon

Messages. Our team typically responds within 24 hours to assist you with any questions or issues.

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