Flydew 233

Flydew 6-Wheel Tire Pressure Monitoring System 233 User Manual

Model: 233

1. Introduction

This user manual provides detailed instructions for the installation, operation, and maintenance of your Flydew 6-Wheel Tire Pressure Monitoring System (TPMS) Model 233. Please read this manual thoroughly before using the product to ensure proper function and safety. Keep this manual for future reference.

2. Product Overview

2.1 Key Features

- **5 Monitoring Modes:** Provides comprehensive tire protection with real-time pressure tracking, high-pressure alerts (9.8 BAR / 142 PSI), low-pressure alerts (1.8 BAR / 26 PSI), high-temperature warnings (over 92°C), and rapid leak detection.
- **Low Battery Reminders:** Alerts for low battery levels on both the monitor and sensors.
- **Dual Charging Capability:** Supports solar charging during the day and Type-C USB charging for night or cloudy conditions, ensuring continuous power.
- **Smart Energy-Saving:** The monitor automatically enters sleep mode after 3 minutes of inactivity. Sensors switch to energy-saving mode, sending updates every 8 minutes when pressure is stable, and instantly reactivating for real-time monitoring upon anomaly detection.
- **Wide Compatibility:** Designed for 6-wheel vehicles including RVs, trailers, heavy-duty trucks, Class A RVs, Dually Pickups, Overland Campers, and Fifth-Wheel Trailers.

2.2 Package Contents

Verify that all items listed below are present in your package:



Image: Package contents of the Flydew 6-Wheel TPMS. This image displays the LCD display unit, six tire sensors, a Type-C charging cable, a small wrench, double-sided adhesive tape, six valve stem caps, and the user manual.

- 1 x LCD Display Unit
- 6 x Tire Sensors
- 6 x Valve Stem Caps
- 1 x Type-C Charging Cable
- 1 x Wrench
- 1 x Double-sided Tape
- 1 x User Manual (this document)

3. Setup Instructions

Follow these steps to install your Flydew 6-Wheel TPMS:

1. **Power On the Display:** Press and hold the power button on the LCD display unit for 3 seconds to turn it on.
2. **Attach Nuts:** For each tire, screw an anti-theft nut onto the valve stem. Do not tighten it yet.
3. **Position Sensors:** Screw each sensor onto its corresponding valve stem. The sensors are typically marked (e.g., 1-6) for specific tire positions (Front Left, Front Right, Rear Left, etc.). Ensure correct placement.
4. **Lock Tight:** Use the provided wrench to tighten the anti-theft nut counter-clockwise against the sensor. This secures the sensor and helps prevent theft.
5. **Soap Test:** Apply soapy water around the base of each sensor and valve stem. Check for bubbles, which indicate an air leak. If bubbles appear, re-tighten the sensor and nut until no leaks are detected.



Image: Installation steps for the TPMS. It shows powering on the display, attaching anti-theft nuts, screwing on sensors, tightening nuts with a wrench, and performing a soap test for leaks.

3.1 Display Unit Placement

Place the LCD display unit on your vehicle's dashboard using the double-sided tape. Ensure it is in a position that allows for clear visibility while driving and receives adequate sunlight for solar charging.

4. Operating Instructions

4.1 Understanding the Display



Image: Close-up of the TPMS display. It highlights indicators for solar charging, in-car temperature, battery level, tire pressure unit (Psi), tire temperature data, tire pressure data, and temperature units (°F).

The display shows real-time information for all 6 tires. Key indicators include:

- **Tire Pressure:** Shown in PSI (or other selected unit) for each tire.
- **Tire Temperature:** Shown in °F (or other selected unit) for each tire.
- **Battery Level:** Indicates the battery status of the display unit and individual sensors.
- **Solar Charging Indicator:** Shows when the unit is actively charging via solar power.
- **In-Car Temperature:** Displays the ambient temperature inside the vehicle.

4.2 Alert System

The system provides visual and audible alerts for the following conditions:

- **High Pressure:** Alert when tire pressure exceeds 9.8 BAR (142 PSI).
- **Low Pressure:** Alert when tire pressure drops below 1.8 BAR (26 PSI).
- **High Temperature:** Alert when tire temperature exceeds 92°C.
- **Rapid Leak:** Detects and alerts for sudden, significant pressure drops.
- **Sensor/Monitor Low Battery:** Indicates when a sensor or the display unit requires charging.



Image: The TPMS display unit with icons illustrating the five monitoring modes: rapid leak, low-pressure alert, real-time pressure, tire temperature monitoring, and low battery.

4.3 Energy Saving and Charging

The display unit features an auto-sleep mode, activating after 3 minutes of inactivity. It will instantly wake up upon engine vibration or touch. Sensors also enter an energy-saving state when tire pressure is stable, updating every 8 minutes, and reactivating instantly if an anomaly occurs.



Image: The TPMS display unit demonstrating its auto-sleep mode (screen off) and instant wake-up feature (screen on with data) activated by engine vibration or touch.

The display unit can be charged via its integrated solar panel or by connecting the provided Type-C USB cable to a power source.



Image: The TPMS display unit illustrating its dual charging capabilities: solar power during the day and Type-C USB charging at night or in low light conditions.

5. Maintenance

- **Charging:** Ensure the display unit is regularly charged, either through solar exposure or by using the Type-C cable, especially during extended periods of low light.
- **Sensor Inspection:** Periodically check the sensors for secure attachment and signs of damage. Re-perform the soap test if you suspect a leak.
- **Cleaning:** Wipe the display unit and sensors with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- **Battery Replacement:** Sensor batteries are designed for long life. If a sensor consistently reports low battery after charging the main unit, it may require professional service or replacement.

6. Troubleshooting

Problem	Possible Cause	Solution
Display unit not turning on.	Low battery.	Charge the display unit using the Type-C cable. Ensure it receives sufficient sunlight for solar charging.
Sensors not displaying readings or showing incorrect data.	1. Sensor not properly installed. 2. Sensor battery low. 3. Sensor not paired (unlikely if new, but possible). 4. Interference.	1. Re-check sensor installation and tighten securely. Perform a soap test for leaks. 2. Ensure the main unit is charged, which can sometimes help sensors communicate. 3. If issues persist, contact customer support for pairing instructions. 4. Relocate the display unit to minimize interference.
Air leak after sensor installation.	Sensor or anti-theft nut not tightened sufficiently.	Re-tighten the sensor and anti-theft nut using the provided wrench. Perform a soap test to confirm the leak is resolved.
Display goes to sleep too quickly.	Normal energy-saving function.	The unit is designed to auto-sleep after 3 minutes of inactivity. It will wake up automatically with vehicle vibration or by touching the unit.

7. Specifications

Feature	Specification
Brand	Flydew
Model	233
Material	Glass, Plastic
Item Weight	0.3 Kilograms
Thread Type	13/16-18 Unf
Unit Count	6.0 Count (Sensors)
High Pressure Alert	9.8 BAR / 142 PSI
Low Pressure Alert	1.8 BAR / 26 PSI
High Temperature Alert	Over 92°C

8. Warranty and Support

8.1 Warranty Information

Specific warranty details for the Flydew 6-Wheel Tire Pressure Monitoring System 233 may vary. Please refer to the product packaging, the seller's website, or contact the manufacturer directly for the most accurate and up-to-date warranty information.

8.2 Customer Support

If you encounter any issues or have questions regarding your Flydew TPMS, please contact the seller through your purchase platform or reach out to Flydew customer support. Have your product model number (233) and purchase details ready for faster assistance.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question