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Flydew B0FVSZJL19

Flydew TPMS Tire Pressure Monitoring System User Manual

Model: B0FVSZJL19

Introduction

Thank you for choosing the Flydew Tire Pressure Monitoring System (TPMS). This system is designed to provide real-time tire pressure and temperature data, enhancing driving safety for a wide range of vehicles including RVs, trailers, trucks, SUVs, MPVs, and sedans. Please read this manual thoroughly before installation and operation to ensure proper use and optimal performance.

Product Overview & Package Contents

The Flydew TPMS features a 4-inch LCD display for clear visibility and external sensors for easy installation. The system monitors tire pressure and temperature, providing alerts for various anomalies.

Package Contents:

- LCD Display Monitor x 1
- External Sensors x 4
- Valve Stem Caps x 4
- Wrench x 1
- Double-sided Tape x 1
- Type-C Charging Cable x 1
- User Manual x 1



Image: All components included in the Flydew TPMS kit, showing the monitor, four sensors, valve stem caps, a wrench, double-sided tape, a Type-C cable, and the user manual.

Key Features

- **4-inch LCD Display:** Provides clear, large-font readings of tire pressure and temperature for enhanced visibility day and night.



Image: The 4-inch LCD display of the TPMS monitor, clearly showing tire pressure in PSI and temperature in Fahrenheit for all four tires, along with solar charging and battery indicators.

- **Real-Time Monitoring:** Delivers tire pressure and temperature data with high accuracy (±0.1BAR/±2PSI) and a rapid 0.3-second response time for immediate alerts.



Image: The TPMS monitor on a car dashboard, showing real-time tire pressure, temperature, solar charging status, and internal car temperature. The display highlights current tire temperature and pressure readings.

- **5 Monitoring Modes:** Includes high-pressure alert (9.8BAR/142PSI), low-pressure alert (1.8BAR/26PSI), high-temperature warning (over 92°C), rapid leak detection, and low battery reminders for both monitor and sensors.



Image: The TPMS monitor displaying tire data, with icons below illustrating the five monitoring modes: Rapid Leak, Low-Pressure Alert (1.8BAR/26PSI), Real-Time Pressure, Tire Temperature Monitor, and Low Battery.

- **Dual Charging Options:** Supports solar charging during the day and Type-C USB charging at night or on cloudy days, ensuring continuous power.



Image: A split image showing the TPMS monitor on a dashboard. The top half depicts solar charging during the day, indicated

by a sun icon. The bottom half shows the monitor being charged via a Type-C cable at night, indicated by a moon icon.

- **Smart Energy Saving:** The monitor automatically enters sleep mode after 3 minutes of inactivity. Sensors switch to energy-saving mode, updating every 8 minutes when pressure is stable, but instantly transmit data upon anomaly detection.



Image: A split image showing the TPMS monitor. The left side shows the monitor in "Auto-Sleep Mode" with a blank screen, indicating it enters standby after 3 minutes of inactivity. The right side shows the monitor in "Instant Wake-Up" mode, with the display active, indicating activation via engine vibration or touch.

- **Wide Vehicle Compatibility:** Suitable for RVs, trailers, trucks, SUVs, MPVs, and sedans.



Image: An illustration showcasing the wide compatibility of the TPMS with different vehicle types, including RV campers, pickup trucks, off-road Jeeps, family SUVs, luxury MPVs, and trailers.

Setup and Installation Guide

Follow these steps to install your Flydew TPMS sensors:

1. **Power On Monitor:** Press and hold the power button on the monitor for 3 seconds to turn it on.
2. **Attach Hex Nuts:** Screw the hex nuts onto the valve stems of all four tires.
3. **Mount Sensors:** Mount the sensors onto the valve stems in the correct order: Left Front (LF), Right Front (RF), Left Rear (LR), Right Rear (RR). Ensure they are securely threaded.
4. **Tighten Nuts:** Use the provided wrench to tighten the hex nuts anticlockwise against the sensors. This secures the sensors and prevents loosening.
5. **Soap Water Test:** Apply soapy water around the valve stem and sensor connection to check for any air leaks. No bubbles should appear.



Image: A visual guide showing the 5-step installation process for the TPMS sensors: 1. Powering on the monitor, 2. Attaching hex nuts, 3. Positioning sensors (LF, RF, LR, RR), 4. Locking tight with a wrench, and 5. Performing a soap water test for leaks.

Operation

Monitor Display:

The 4-inch LCD display shows real-time data for all four tires. Key indicators include:

- **Tire Pressure:** Displayed in PSI or BAR.
- **Tire Temperature:** Displayed in °F or °C.
- **Solar Charging Indicator:** Shows when the device is charging via solar panel.
- **Internal Car Temperature:** Displays the ambient temperature inside the vehicle.
- **Battery Level:** Indicates the monitor's battery status.



Image: A detailed diagram of the TPMS monitor display, labeling various indicators such as solar charge, in-car temperature, battery level, tire temperature data, tire pressure unit, and tire pressure data. Also shown are the dimensions of the monitor and a sensor, highlighting the built-in sensor chip and fine air tightness.

Power On/Off:

- **Power On:** Press and hold the power button for 3 seconds.
- **Power Off:** Press and hold the power button for 3 seconds.

- **Auto-Sleep:** The monitor will automatically enter sleep mode after 3 minutes of inactivity to conserve power.
- **Wake-Up:** The monitor will instantly wake up upon detecting engine vibration or a touch.

Monitoring Modes and Alerts

The Flydew TPMS provides comprehensive alerts to ensure tire safety:

- **High-Pressure Alert:** Triggers if tire pressure exceeds 9.8 BAR (142 PSI).
- **Low-Pressure Alert:** Triggers if tire pressure drops below 1.8 BAR (26 PSI).
- **High-Temperature Warning:** Activates if tire temperature exceeds 92°C (197.6°F).
- **Rapid Leak Detection:** Alerts immediately upon detecting a sudden and significant drop in tire pressure.
- **Low Battery Reminders:** Notifies when the monitor or sensor batteries are low, prompting for recharge or replacement.

Charging the Monitor

The monitor offers two convenient charging methods:

- **Solar Charging:** Place the monitor on your dashboard where it can receive direct sunlight. The built-in solar panel will charge the device during the day.
- **Type-C USB Charging:** For charging at night, on cloudy days, or when solar charging is insufficient, connect the monitor using the provided Type-C USB cable to a suitable power source (e.g., car charger, USB port).

Maintenance

- **Regular Cleaning:** Wipe the monitor screen and sensors with a soft, dry cloth to remove dust and dirt. Avoid using abrasive cleaners.
- **Sensor Check:** Periodically check that the sensors are securely tightened on the valve stems. Re-perform the soap water test if you suspect a leak.
- **Battery Monitoring:** Pay attention to low battery alerts for both the monitor and sensors. Recharge the monitor promptly and consider replacing sensor batteries if they are user-replaceable (refer to sensor specific instructions if applicable).
- **Storage:** If storing the vehicle or TPMS for an extended period, ensure the monitor is fully charged and stored in a cool, dry place.

Troubleshooting

Problem	Possible Cause	Solution
Monitor not powering on	Low battery; Power button not held long enough.	Charge the monitor via Type-C cable. Press and hold the power button for 3 seconds.
No tire data displayed / Sensors not connecting	Sensors not installed correctly; Sensor battery low; Interference; Monitor out of range.	Ensure sensors are securely installed and tightened. Check for low sensor battery alerts. Move monitor closer to sensors if possible. Re-pair sensors if necessary (refer to specific pairing instructions in the full manual).

Problem	Possible Cause	Solution
Inaccurate pressure readings (e.g., uniformly low)	Calibration issue; Sensor malfunction.	Verify tire pressure with a reliable gauge. If readings are consistently off by a fixed amount, note the offset. If a single sensor is consistently inaccurate, it may need replacement.
Air leakage around sensors	Sensors or hex nuts not tightened properly.	Re-tighten sensors and hex nuts. Perform a soap water test to confirm seal.
Monitor not charging via solar	Insufficient sunlight; Solar panel obstructed.	Ensure the solar panel is clean and exposed to direct sunlight. Use Type-C charging as an alternative.

Specifications

- **Display Size:** 4 inches LCD
- **Pressure Accuracy:** ±0.1 BAR / ±2 PSI
- **Temperature Warning:** Over 92°C (197.6°F)
- **High Pressure Alert:** 9.8 BAR (142 PSI)
- **Low Pressure Alert:** 1.8 BAR (26 PSI)
- **Response Time:** 0.3 seconds
- **Charging:** Solar & Type-C USB
- **Auto-Sleep:** After 3 minutes of inactivity
- **Item Weight:** 9.9 ounces
- **Package Dimensions:** 6.26 x 5.28 x 2.13 inches
- **Manufacturer:** Flydew
- **ASIN:** B0FVSZJL19

Warranty and Support

For warranty information, technical support, or any inquiries regarding your Flydew TPMS, please contact Flydew customer service through the retailer's platform or the contact information provided with your purchase. Please have your model number (B0FVSZJL19) and purchase date available when contacting support.

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