Tymate RP05

Tymate RP05 Repeater Instruction Manual

Model: RP05 | Brand: Tymate

Product Overview

The Tymate RP05 Repeater is designed to enhance the signal transmission for Tymate TPMS (Tire Pressure Monitoring System) sensors. It is crucial in situations where signal strength is compromised due to distance or electronic interference, ensuring reliable communication between your TPMS sensors and the display unit.



Image: The Tymate RP05 Repeater, a compact blue device with integrated power cables, designed to extend the signal range of TPMS sensors.

- **Function:** Extends the sensing range of TPMS sensors, forwarding signals to the display unit.
- **Compatibility:** Operates at 433.92 MHz and is exclusively compatible with Tymate TPMS Tire Pressure Monitoring Systems. Increases signal range for distances over 36 ft.
- **Durability:** Water and dust resistant, suitable for various weather conditions. Operates effectively in temperatures from -40°C to 80°C and stores safely from -40°C to 85°C.

Setup and Installation

The Tymate RP05 Repeater is designed for straightforward installation. Follow these guidelines for optimal performance:

1. **Location:** It is suggested to install the repeater at the rear axle of your vehicle.
2. **Power Connection:** For RVs, the repeater can often be installed within the battery tank area. The power lines of the booster can be directly connected to the vehicle's battery for continuous power supply.

3. **Secure Mounting:** Ensure the repeater is securely mounted to prevent movement or damage during vehicle operation.

Operating Instructions

Understanding the operating indicators of your Tymate RP05 Repeater is essential for confirming its functionality:

- **Power On Indicator:** When the repeater is powered on, a red LED light on the device will illuminate steadily.
- **Signal Reception Indicator:** Upon successful reception of a sensor signal, the red LED will flash twice, indicating that the signal has been received and is being processed for retransmission.

Maintenance

The Tymate RP05 Repeater is designed for durability and requires minimal maintenance. To ensure its longevity and optimal performance:

- **Regular Inspection:** Periodically check the device and its connections for any signs of physical damage or loose wiring.
- **Cleanliness:** Keep the device free from excessive dirt or debris. While it is water and dust resistant, extreme accumulation can affect performance.
- **Environmental Protection:** Ensure the installation location continues to protect the device from extreme physical impacts or prolonged submersion, despite its robust design.

Troubleshooting

If you encounter issues with your Tymate RP05 Repeater, consider the following common troubleshooting steps:

- **No Power Indicator (Red LED Off):**
  - Check the power connections to ensure they are secure and properly connected to the battery.
  - Verify the vehicle's battery has sufficient charge.
  - Inspect the power cable for any cuts or damage.
- **No Signal Flashing (Red LED Not Flashing Twice):**
  - Ensure the TPMS sensors are active and transmitting signals.
  - Verify the repeater is within the effective range of the sensors (over 36 ft).
  - Check for significant electronic interference sources near the repeater or sensors.
  - Confirm the repeater is correctly paired or compatible with your specific Tymate TPMS system.
- **Intermittent Signal:**
  - Relocate the repeater to a position with fewer obstructions or potential interference.
  - Ensure all connections are stable and not subject to vibration.

If problems persist after attempting these steps, please refer to the support section for further assistance.

Specifications

Feature	Detail
Brand	Tymate
Model	RP05

Feature	Detail
Operation Mode	ON-OFF
Connectivity Protocol	Wi-Fi *(Note: This likely refers to internal communication protocol, not user Wi-Fi)*
Data Transfer Rate	433.92 MHz
Operating Temperature	-40°C to 80°C
Storage Temperature	-40°C to 85°C
Water & Dust Resistance	Yes
Item Weight	141 g
Package Dimensions	12.4 x 7.29 x 5.21 cm
UPC	791564554695

Warranty and Support

For information regarding product warranty, please refer to the documentation provided at the time of purchase or visit the official Tymate website. For technical support or further assistance with your Tymate RP05 Repeater, please contact Tymate customer service through their official channels.

Note: Specific warranty terms and support contact details may vary by region and purchase location.

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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

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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

Answered questions about this manual

Has my Tymate RP05 (TR5) repeater gone bad or is the fuse bad? The red LED light does not come on when connected to power.

Based on your description and the Tymate RP05 (often referred to as TR5) manual, here is an assessment of your situation:Continuity Test: You mentioned checking continuity on the leads and seeing an "open line."...

Read full answer