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Tiiyee B09XVKM831

Tiiyee Motorcycle Security Alarm System (Model B09XVKM831) User Manual

Comprehensive instructions for installation, operation, and maintenance.

1. Introduction

This manual provides detailed instructions for the Tiiyee Motorcycle Security Alarm System, Model B09XVKM831. This system is designed to enhance the security of your motorcycle with features such as anti-theft alarming, remote engine start, and vehicle locator functionality. Please read this manual thoroughly before installation and operation to ensure correct usage and optimal performance.

2. Product Overview and Components

The Tiiyee Motorcycle Security Alarm System includes the main alarm unit (ECU), a high-decibel horn, wiring harness, and two remote controls. These components work together to provide comprehensive protection for your motorcycle.



Image 2.1: All components of the Tiiyee Motorcycle Security Alarm System, including the main unit, horn, wiring, and two remote controls.

Key Features:

- **Emergency Alarm:** Activates horn and flashing lights upon forced entry or engine start attempt.
- **Anti-Robbery Function:** Allows remote activation of the alarm to deter theft.
- **Vehicle Locator:** Helps locate your motorcycle in crowded parking areas by sounding the alarm.
- **Waterproof Design:** Compact and sealed ECU for durability.
- **High-Decibel Horn:** 125dB alarm sound for effective deterrence.
- **Remote Engine Start:** Conveniently start your motorcycle engine remotely.
- **Adjustable Sensitivity:** Customize vibration detection levels.
- **Ultra-Low Power Consumption:** Designed to minimize impact on battery life.

3. Specifications

Specification	Value
Model	B09XVKM831
Brand	Tiiyee
Compatible Devices	12V Motorcycles
Noise Level	125 dB
Item Weight	7.7 ounces (approx. 220g)
Product Dimensions (ECU)	Approx. 7cm x 6.5cm x 2.1cm (2.75in x 2.55in x 0.82in)
Product Dimensions (Horn)	Approx. 5.2cm x 3cm (2.04in x 1.18in)
Remote Control Included	Yes (2 units)
Wireless Remote	Yes



Image 3.1: Dimensions of the alarm unit and horn.

4. Setup and Installation

The Tiiyee Motorcycle Security Alarm System is designed for relatively straightforward installation, often featuring a 'plug and play' design for compatible motorcycles. However, due to variations in motorcycle electrical systems, professional installation is recommended to ensure proper function and avoid damage.

General Installation Steps:

1. **Disconnect Battery:** Always disconnect the motorcycle's battery before beginning any electrical work.
2. **Locate Wiring Harness:** Identify the appropriate wiring harness on your motorcycle for the alarm system. Many motorcycles have a pre-existing plug with a jumper wire that can be replaced by the alarm unit's harness.
3. **Connect Alarm Unit (ECU):** Connect the alarm unit's wiring harness to the motorcycle's electrical system. Ensure all connections are secure.
4. **Mount Horn:** Securely mount the 125dB horn in a discreet but effective location, ensuring it is protected from direct water exposure.
5. **Mount ECU:** Mount the main alarm unit (ECU) in a secure, hidden, and dry location on the motorcycle.
6. **Reconnect Battery:** Once all connections are made and secured, reconnect the motorcycle's battery.
7. **Test System:** Perform initial tests of all alarm functions using the remote controls.

Refer to the specific wiring diagram included with your product for detailed connection points and color codes. If you are unsure about any step, consult a qualified motorcycle technician.



Image 4.1: Example of alarm unit and wiring installation on a motorcycle.

5. Operating Instructions

The Tiiyee Motorcycle Security Alarm System is operated using the provided remote controls. Familiarize yourself with the buttons and their functions.



Image 5.1: Tiiyee Remote Control.

Remote Control Functions:

- **Arming (Lock Button):** Press the lock button once to arm the alarm system. The motorcycle will emit a confirmation sound, and the indicator lights may flash. In this state, any vibration or attempt to start the engine will trigger the alarm.
- **Disarming (Unlock Button):** Press the unlock button once to disarm the alarm system. The motorcycle will emit a confirmation sound, and the indicator lights may flash.
- **Engine Start (Lightning Bolt Button):** Press this button twice in quick succession to remotely start the motorcycle engine.
- **Engine Stop (Unlock Button after Start):** If the engine was started remotely, press the unlock button to turn

off the engine.

- **Vehicle Locator / Anti-Robbery (Bell Button):** Press this button to activate the alarm horn and flashing lights, helping you locate your motorcycle or deter a potential thief.
- **Adjusting Sensitivity:** The system may have adjustable vibration sensitivity. Refer to the specific instructions provided with your product for details on how to adjust this setting, typically involving a sequence of button presses.

Emergency Alarm Activation:

If the electric door lock is forced open or an attempt is made to start the engine while the system is armed, the horn alarm will sound at 125dB, and the direction lights will flash. The engine will remain locked in an anti-theft alerting status.



Image 5.2: Emergency alarm activation scenario.

6. Maintenance

To ensure the longevity and reliable operation of your Tiiyee Motorcycle Security Alarm System, follow these

maintenance guidelines:

- **Keep Clean:** Periodically wipe the alarm unit and remote controls with a dry, soft cloth. Avoid using harsh chemicals or abrasive cleaners.
- **Check Connections:** Regularly inspect all wiring connections to ensure they are secure and free from corrosion.
- **Remote Battery Replacement:** Replace the batteries in your remote controls as needed. Refer to the remote control's design for battery type and replacement procedure.
- **Water Exposure:** While the ECU is waterproof, avoid prolonged exposure to extreme weather conditions or direct high-pressure water sprays.
- **Battery Drain Consideration:** Some alarm systems, including this model, may draw a continuous small current from the motorcycle battery. If the motorcycle is stored for extended periods without use, consider disconnecting the alarm system or using a trickle charger to prevent battery depletion.

7. Troubleshooting

If you encounter issues with your Tiiyee Motorcycle Security Alarm System, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
Alarm does not arm/disarm.	Remote control battery low or dead. Out of range. Faulty remote.	Replace remote battery. Move closer to the motorcycle. Try the spare remote.
Alarm triggers unexpectedly.	Sensitivity set too high. Loose wiring.	Adjust vibration sensitivity (refer to product-specific instructions). Check wiring connections.
Motorcycle battery drains overnight.	Continuous power draw from the alarm system.	This system does not feature a 'dead mode' to completely cut power. For extended storage, consider installing an on/off switch for the alarm circuit or using a trickle charger to maintain battery health.
Remote engine start not working.	Incorrect button sequence. Wiring issue.	Ensure you press the engine start button twice quickly. Verify all wiring connections are correct and secure.
Horn not sounding.	Horn connection loose or faulty.	Check horn wiring and ensure it is securely connected.

8. Warranty and Support

For information regarding product warranty, returns, or technical support, please refer to the official documentation included with your purchase or contact Tiiyee customer service directly through their official channels. Keep your purchase receipt as proof of purchase.

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