Wolf Guard HW-06B

Wolf Guard HW-06B 433 MHz Pet-Immune PIR Motion Sensor User Manual

Model: HW-06B

1. Introduction

This user manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of the Wolf Guard HW-06B 433 MHz Pet-Immune PIR Motion Sensor. This device is designed to enhance your security system by detecting human motion while minimizing false alarms caused by pets weighing up to 25 kg.
Please read this manual carefully before using the product to ensure proper functionality and safety.

2. Product Overview

2.1 Key Features

- **Precision Detection:** Utilizes SMT production for reliable performance.
- **Pet Immunity:** Designed to ignore pets weighing up to 25 kg, preventing false alarms.
- **Wireless Connectivity:** Operates at 433 MHz for easy integration with compatible Wolf Guard alarm systems.
- **Wide Coverage:** Detects motion up to a distance of 9 meters.
- **Long Battery Life:** Powered by 2 x 1.5V AA LR6 AM3 batteries (included) with an average lifespan of 2 years.
- **Easy Installation:** Wireless design allows for flexible placement in various environments.

2.2 Package Contents

Upon opening the package, verify that all components are present:

- Wolf Guard HW-06B PIR Motion Sensor
- Mounting Bracket and Screws
- 2 x AA LR6 AM3 1.5V Batteries
- User Manual



Figure 2.2.1: Package contents including the sensor, mounting hardware, and user guide.

2.3 Product Appearance and Dimensions



Figure 2.3.1: Front view of the Wolf Guard HW-06B motion sensor.

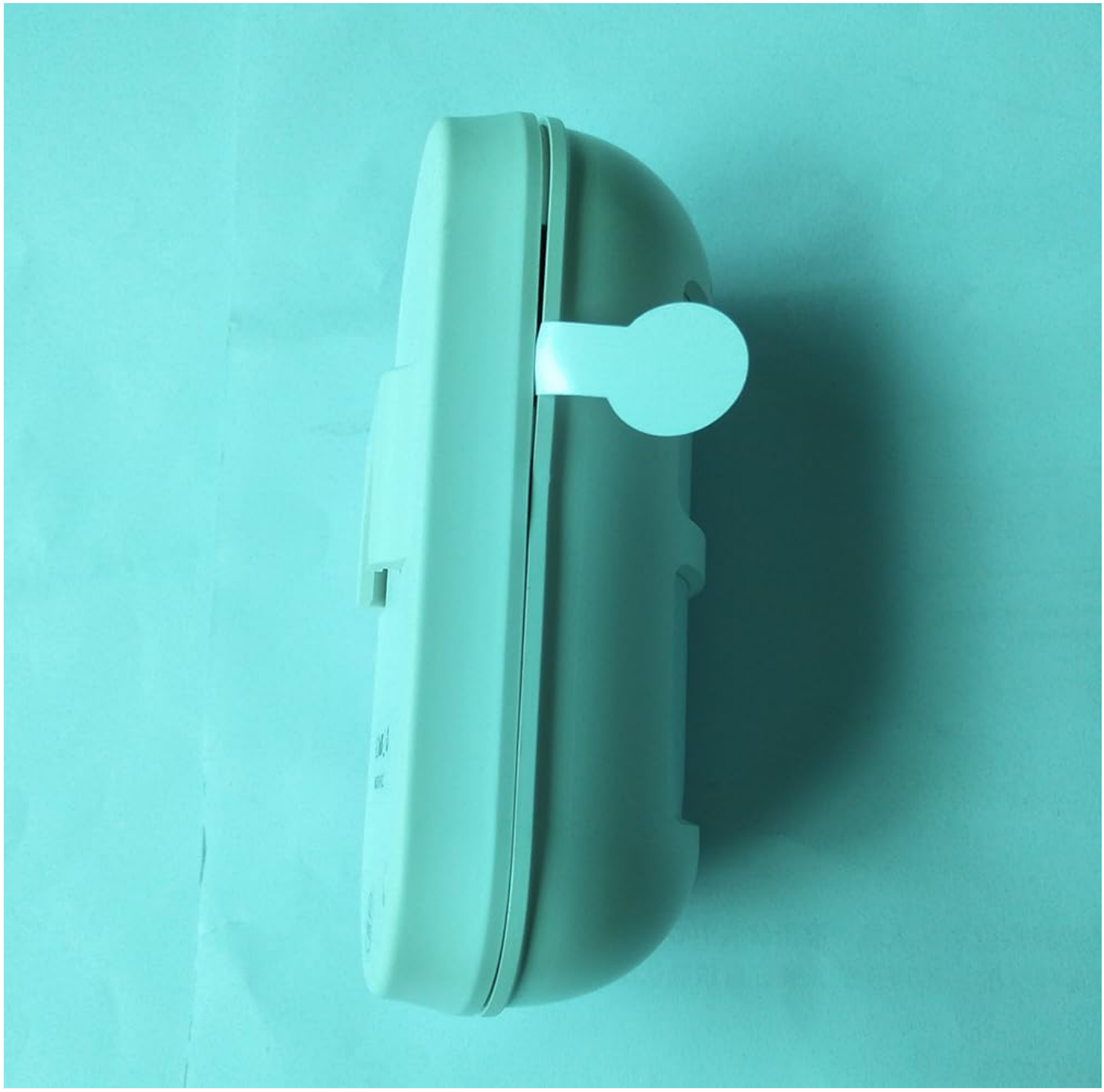


Figure 2.3.2: Dimensions of the Wolf Guard HW-06B motion sensor (approx. 10.7 cm H x 4.1 cm W x 5.21 cm D).

3. Setup

3.1 Battery Installation

1. Gently open the back cover of the motion sensor.
2. Insert the two 1.5V AA LR6 AM3 batteries, ensuring correct polarity (+/-).
3. Close the back cover securely.

3.2 Mounting the Sensor

The sensor can be mounted on a wall or in a corner. Choose a location that provides optimal coverage of the area you wish to monitor, avoiding direct sunlight or heat sources that could cause false alarms.

1. Attach the mounting bracket to the desired location using the provided screws. Ensure it is firmly secured.
2. Slide the motion sensor onto the mounting bracket. The bracket allows for adjustment of the sensor's angle.

3. Adjust the sensor's angle to cover the detection area effectively. For pet immunity, ensure the sensor is mounted at a height where small pets (under 25 kg) are below the detection zone's lower beam.



Figure 3.2.1: Adjustable mounting bracket on the rear of the sensor.



Figure 3.2.2: Motion sensor mounted on a wall.

3.3 Pairing with Wolf Guard Alarm System

The HW-06B sensor is designed for wireless integration with compatible Wolf Guard alarm systems (e.g., W4Q, WT4F, WT4R). Refer to your specific alarm system's manual for detailed pairing instructions. Generally, the process involves:

1. Put your Wolf Guard alarm panel into pairing mode (often labeled 'Add Device' or 'Enroll').
2. Trigger the motion sensor by waving your hand in front of it or by walking through its detection zone.
3. The alarm panel should recognize the sensor and display a unique code or confirmation.
4. Confirm the pairing on the alarm panel.

4. Operating Instructions

4.1 Motion Detection

Once installed and paired, the sensor continuously monitors its detection area. When it detects motion from a human or an object exceeding the pet immunity threshold (25 kg), it sends a signal to the connected Wolf Guard alarm system.



Figure 4.1.1: Motion sensor detecting an intruder.

4.2 Pet Immunity Function

The HW-06B sensor features pet immunity, meaning it is designed to differentiate between human movement and the movement of small pets. For optimal pet immunity, ensure pets weighing less than 25 kg are positioned below the sensor's main detection zone. Proper mounting height and angle are crucial for this feature to work effectively.



Figure 4.2.1: Pet immunity feature illustrated with a dog and cat.

4.3 Alarm Notification

Upon detection of unauthorized motion, the alarm system will trigger its siren and send notifications (e.g., SMS, app alerts) to your registered contacts, depending on your alarm system's configuration.



Figure 4.3.1: Alarm notification via smartphone.

5. Maintenance

5.1 Battery Replacement

The sensor's batteries have an average lifespan of 2 years. When the batteries are low, your alarm system may indicate a low battery warning for the sensor. To replace the batteries:

1. Open the back cover of the sensor.
2. Remove the old batteries.
3. Insert two new 1.5V AA LR6 AM3 batteries, observing correct polarity.
4. Close the back cover.

Dispose of used batteries according to local regulations.

5.2 Cleaning

To ensure optimal performance, periodically clean the sensor's lens with a soft, dry cloth. Avoid using abrasive cleaners

or solvents, as these can damage the sensor.

6. Troubleshooting

Problem	Possible Cause	Solution
Sensor not detecting motion	Low batteries Incorrect sensor placement Sensor not paired with alarm system Obstruction in detection zone	Replace batteries Adjust sensor position and angle Re-pair sensor with alarm system (refer to section 3.3) Remove any obstructions
False alarms	Incorrect pet immunity setup Sensor exposed to direct sunlight or heat sources Movement of curtains or objects Strong air currents	Adjust mounting height/angle for pet immunity Relocate sensor away from heat/sunlight Ensure detection zone is clear of moving objects Avoid placing near vents or open windows
Sensor not pairing	Alarm system not in pairing mode Sensor out of range Low sensor battery	Ensure alarm system is in pairing mode Move sensor closer to the alarm panel Replace sensor batteries

7. Specifications

- **Brand:** Wolf Guard
- **Model Number:** HW-06B
- **Color:** White
- **Power Source:** Battery powered (2 x 1.5V AA LR6 AM3 batteries)
- **Average Battery Life:** 2 Years
- **Connectivity Technology:** Wireless (433 MHz)
- **Sensor Technology:** Passive Infrared (PIR)
- **Maximum Detection Range:** 9 Meters
- **Pet Immunity:** Up to 25 kg
- **Item Dimensions (LxWxH):** 17 x 8 x 5 cm (Note: Product image shows 10.7 x 4.1 x 5.21 cm for the sensor unit itself)
- **Compatible Devices:** Wolf Guard Alarm Systems (e.g., W4Q, WT4F, WT4R)
- **Installation Method:** Wireless
- **Manufacturer:** CTD
- **Country of Origin:** China
- **UPC:** 711005689601

8. Warranty and Support

8.1 Warranty Information

The Wolf Guard HW-06B PIR Motion Sensor comes with a**3-Year Limited Warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.


HOME SECURITY
PASSIVE INFRARED DETECTOR
PIR
3 YEARS
LIMITED WARRANTY
RoHS
FC
CE

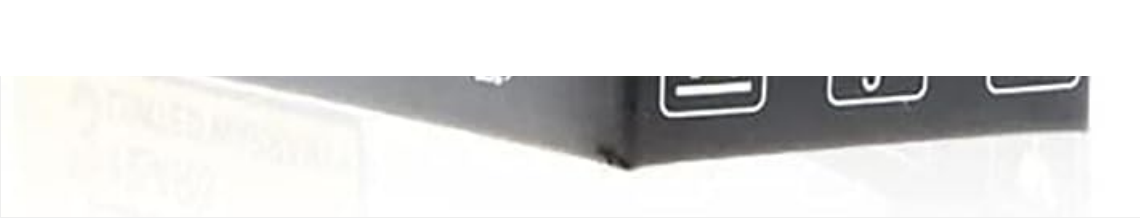


Figure 8.1.1: Product packaging indicating a 3-Year Limited Warranty.

8.2 Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact Wolf Guard customer support through your retailer or the official Wolf Guard website. Provide your product model number (HW-06B) and a detailed description of the issue for faster service.

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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

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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