

[Manuals.plus](#) /

› [Wolf Guard](#) /

› Wolf Guard HW-GJ01A Wireless PIR Motion Sensor User Manual

Wolf Guard HW-GJ01A

Wolf Guard HW-GJ01A Wireless PIR Motion Sensor User Manual

1. INTRODUCTION

The Wolf Guard HW-GJ01A Wireless PIR Motion Sensor is designed to enhance the security of your home or property by detecting movement within its coverage area. This sensor utilizes passive infrared (PIR) technology to identify changes in infrared radiation caused by moving bodies, triggering an alarm when integrated with a compatible Wolf Guard alarm system. This manual provides essential information for the proper installation, operation, and maintenance of your HW-GJ01A sensor.

Movement Detector

Smart Wireless PIR



— —
Adopting the latest integrated circuit technology intelligent logic and high performance sensor to achieve high stability and avoid failures alarm

— —
The motion detector cannot work independently, ONLY compatible with the Wolf Guard alarm system.

A front view of the Wolf Guard HW-GJ01A Wireless PIR Motion Sensor, showcasing its sleek white design and detection window.

2. PRODUCT OVERVIEW

2.1 Key Features

- Advanced MCU+R IC technology for stable performance and reduced false alarms.
- Integrated anti-tamper and low power alarm functions.
- Automatic dynamic threshold adjustment for intelligent detection.
- Seamless compatibility with Wolf Guard alarm systems.
- Wide-angle detection with a maximum range of 7 meters.

2.2 Components

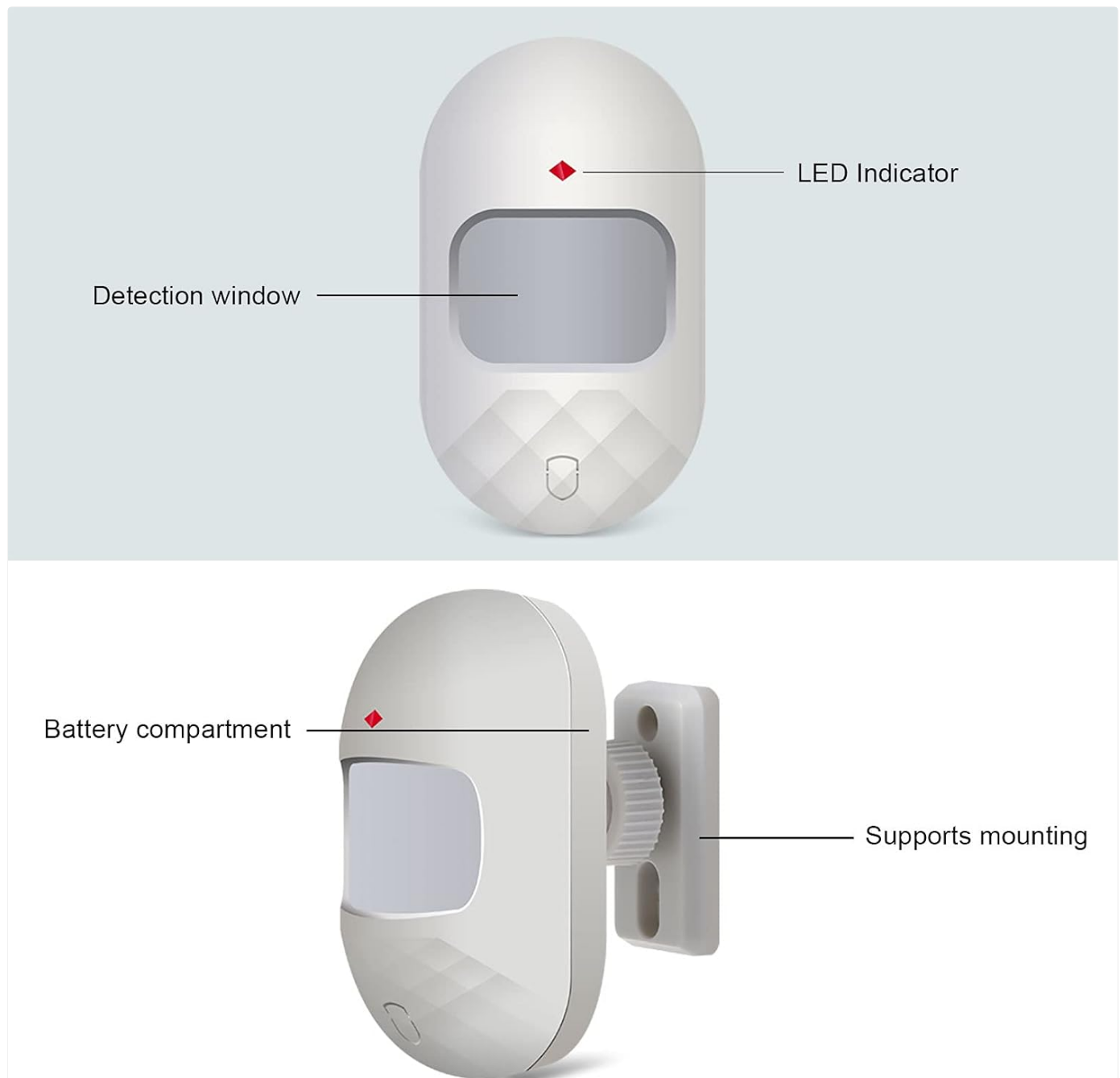
The package typically includes:

- 1 x PIR Detector Unit

- 1 x Mounting Bracket
- 1 x Set of Screws for installation
- 1 x CR123A Battery (may be pre-installed)

Key parts of the sensor include:

- **LED Indicator:** Provides status feedback.
- **Detection Window:** The area through which infrared changes are sensed.
- **Battery Compartment:** Houses the CR123A battery.



A diagram illustrating the key components of the Wolf Guard HW-GJ01A PIR sensor, including the LED indicator, detection window, and battery compartment.

3. SETUP & INSTALLATION

3.1 Battery Installation

1. Open the battery compartment cover on the back of the sensor.

2. Insert the provided CR123A battery, ensuring correct polarity (+/-).
3. Close the battery compartment cover securely.

3.2 Mounting Location Selection

- Choose a location that provides an unobstructed view of the area you wish to protect.
- Avoid direct sunlight, heat sources, or areas with strong air currents (e.g., near air conditioners or windows) to prevent false alarms.
- The optimal mounting height is typically between 1.8 to 2.4 meters (6 to 8 feet) from the floor.

3.3 Mounting the Sensor

1. Attach the mounting bracket to the desired wall location using the provided screws. Ensure the bracket is firmly secured.
2. Slide the PIR sensor onto the mounting bracket until it clicks into place.
3. Adjust the angle of the sensor to cover the desired detection area.



A side view of the Wolf Guard HW-GJ01A PIR Motion Sensor attached to its wall-mount bracket, ready for installation.





The rear view of the Wolf Guard HW-GJ01A PIR Motion Sensor, highlighting the mounting points and battery compartment access.

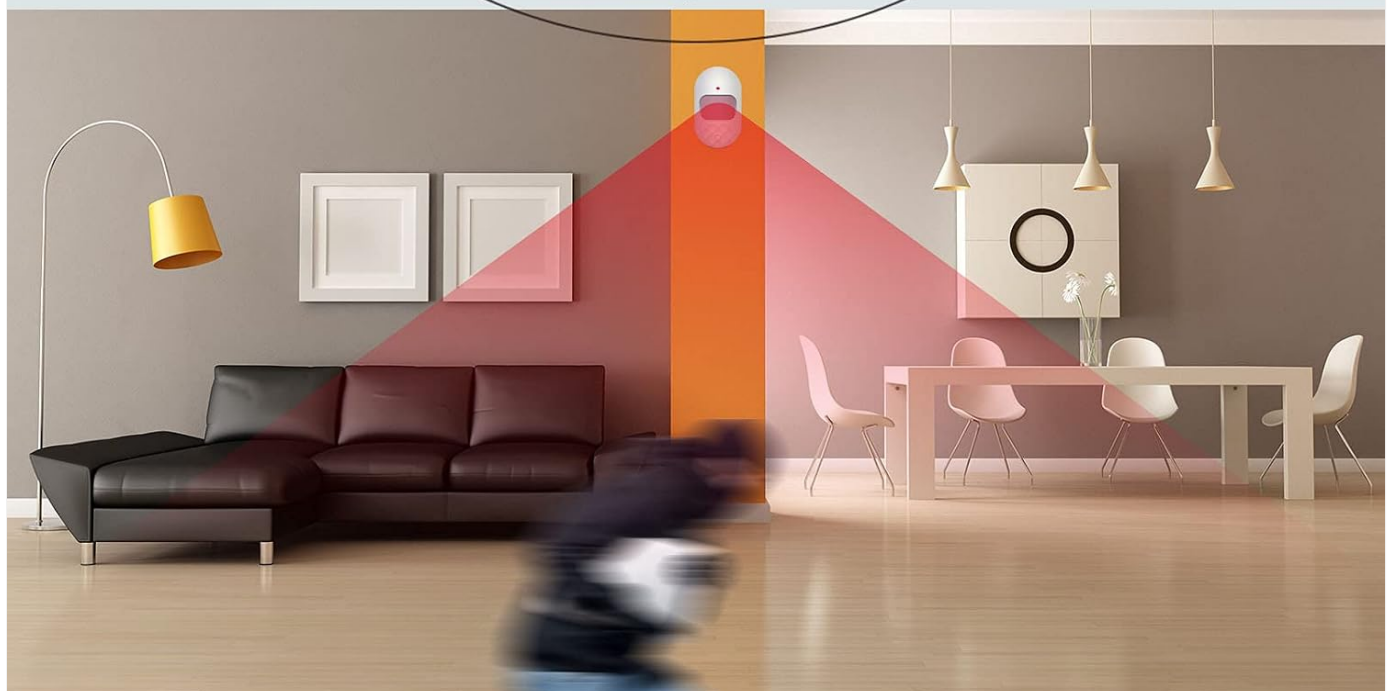
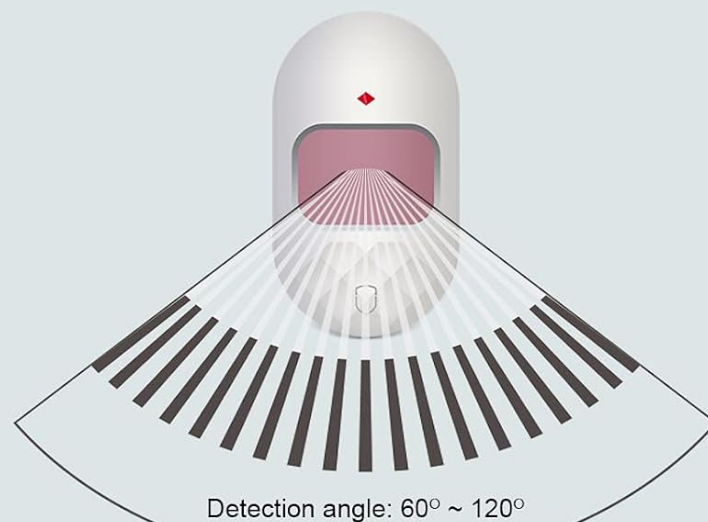
3.4 Pairing with Wolf Guard Alarm System

- Refer to your Wolf Guard alarm system's manual for specific instructions on how to add a new wireless PIR sensor.
- Typically, this involves putting the alarm panel into "learning" or "pairing" mode and then triggering the PIR sensor (e.g., by pressing a test button or walking in front of it).
- Confirm successful pairing on your alarm panel.

4. OPERATING INSTRUCTIONS

- Once installed and paired, the HW-GJ01A sensor will continuously monitor its detection area.
- When motion is detected within its range (up to 7 meters) and angle (horizontal 110°, vertical 60°), the sensor will transmit a signal to the connected Wolf Guard alarm panel.
- The alarm panel will then activate according to its programmed settings (e.g., siren, notification).
- The LED indicator may flash briefly upon detection or during low battery status.

Wide-angle Motion Detector



An illustration demonstrating the wide-angle detection capability of the Wolf Guard HW-GJ01A PIR sensor, showing its horizontal 110° and vertical 60° detection angles and maximum range.

5. MAINTENANCE

5.1 Battery Replacement

When the sensor's low power alarm function is activated (indicated by a specific LED pattern or alarm panel notification), replace the CR123A battery promptly.

1. Open the battery compartment.
2. Remove the old battery and dispose of it responsibly.
3. Insert a new CR123A battery, observing polarity.
4. Close the compartment.

5.2 Cleaning

Gently wipe the detection window and sensor body with a soft, dry cloth. Do not use abrasive cleaners or solvents.

5.3 Regular Testing

Periodically test the sensor's functionality by walking through its detection area while the alarm system is armed (or in test mode) to ensure it is operating correctly.

6. TROUBLESHOOTING

6.1 False Alarms

- Check for heat sources (heaters, direct sunlight) or strong air currents (fans, open windows) in the detection area.
- Ensure the sensor is mounted securely and not vibrating.
- Verify that pets or other moving objects are not triggering the sensor.
- Adjust the sensor's angle if necessary.

6.2 No Detection

- Check if the battery is correctly installed and not depleted. Replace if necessary.
- Ensure the sensor is properly paired with the alarm system.
- Verify that the detection window is clean and unobstructed.
- Confirm the sensor is within the transmission range of the alarm panel (up to 60 meters in open areas).

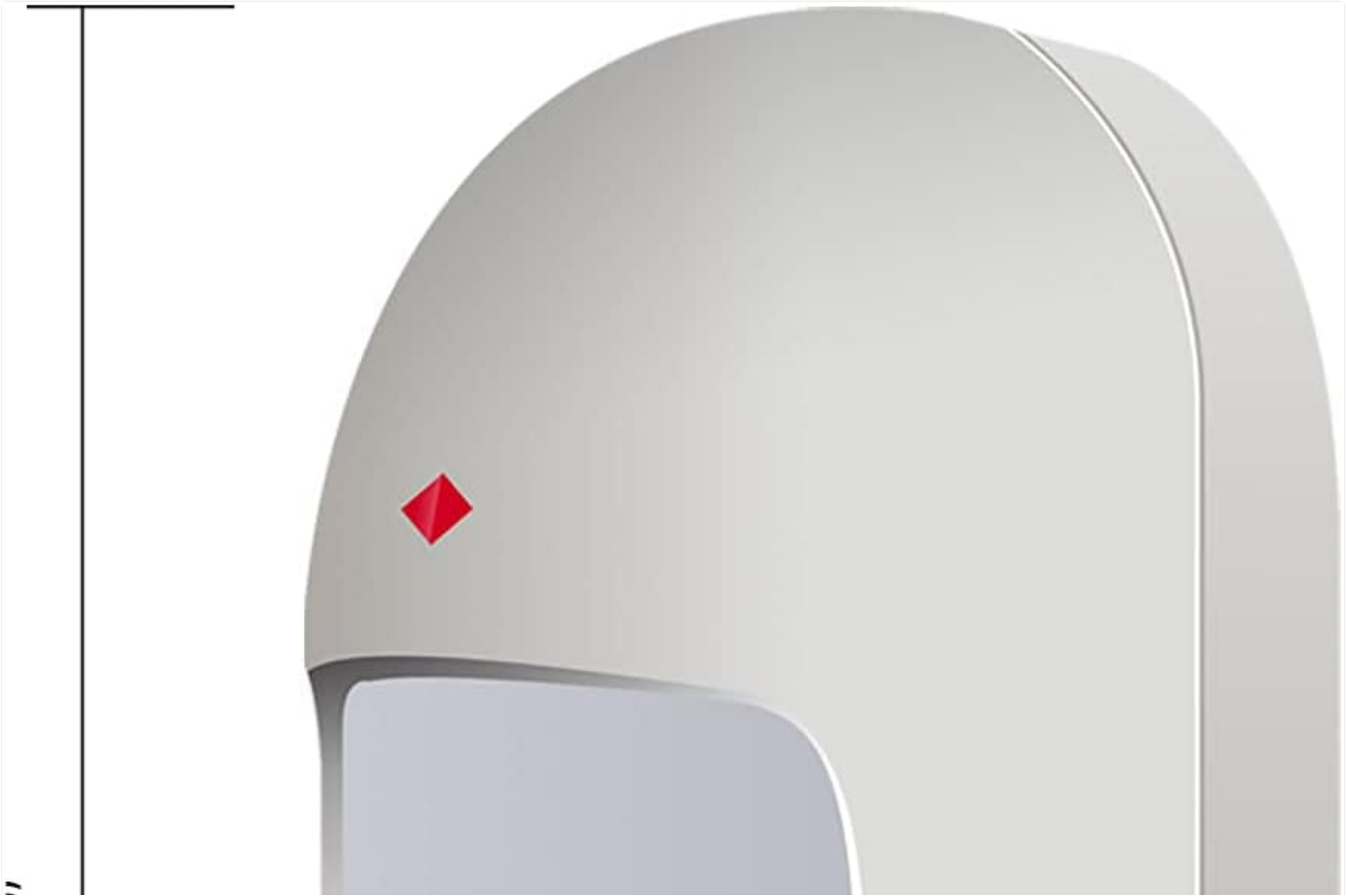
6.3 Low Battery Indication

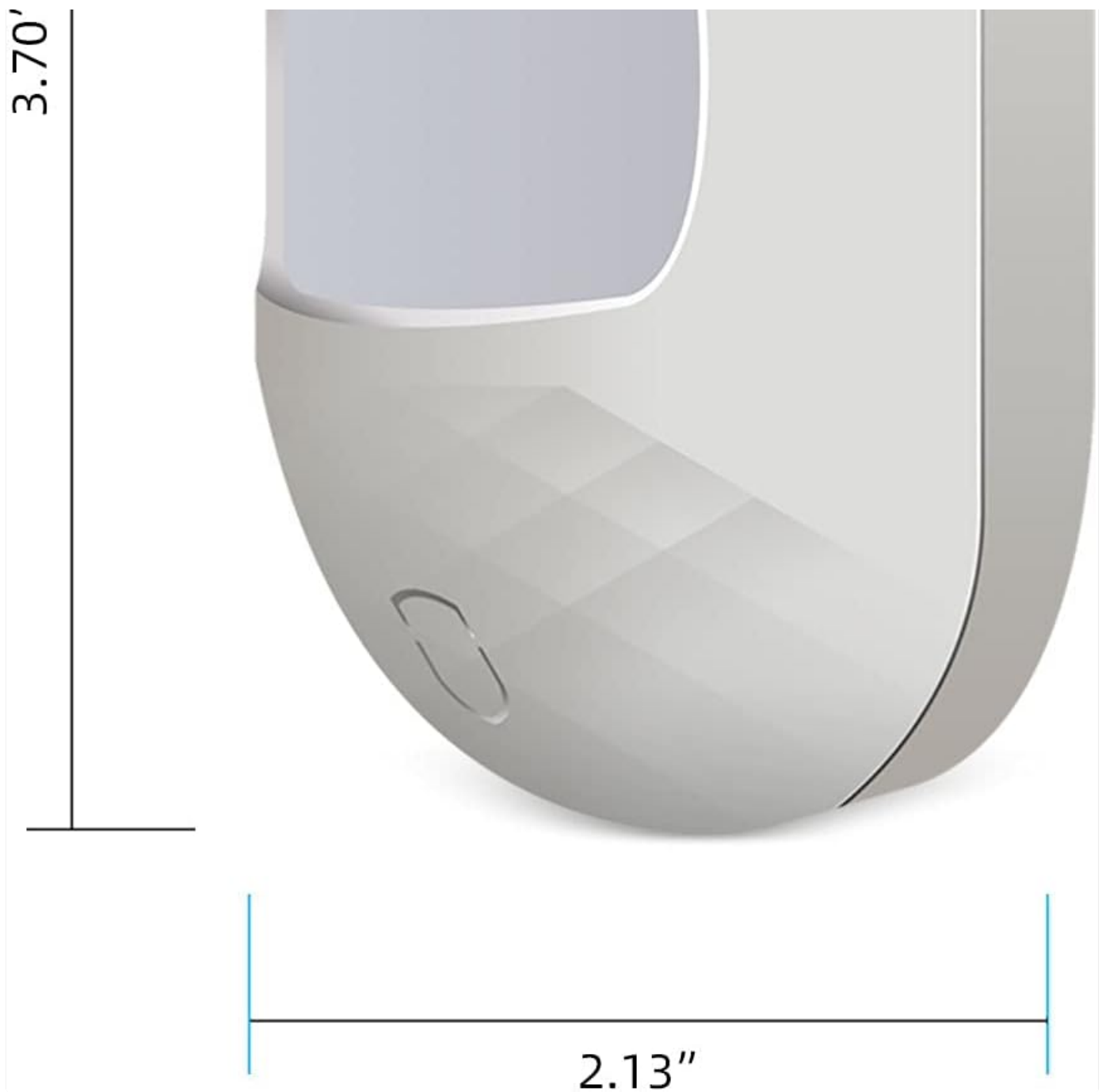
Replace the CR123A battery as soon as possible when a low battery alert is received.

7. SPECIFICATIONS

Feature	Specification
Brand	Wolf Guard
Model Number	HW-GJ01A
Color	White

Feature	Specification
Power Source	Battery powered
Battery Type	1 x CR123A (included)
Operating Voltage	DC 3V
Static Current	10uA
Alarm Current	20mA
Transmission Frequency	433 ± 0.5 MHz
Transmission Distance	Up to 60 meters (open area)
Max Detection Range	7 Meters
Detection Angle	Horizontal 110°, Vertical 60°
Mounting Type	Wall Mount
Operating Temperature	-10°C to 50°C
Operating Humidity	≤ 95% (non-condensing)
Dimensions	9.7 x 5.3 cm (approx. 3.70" x 2.13")
Recommended Use	Security
Manufacturer	ChiTongDa
UPC / GTIN	711005689618





An image displaying the physical dimensions of the Wolf Guard HW-GJ01A PIR Motion Sensor, showing its height of 3.70 inches and width of 2.13 inches.

8. WARRANTY INFORMATION

Warranty information for the Wolf Guard HW-GJ01A Wireless PIR Motion Sensor is not provided in this manual. Please refer to the manufacturer's official website or contact your retailer for details regarding warranty coverage and terms.

9. SUPPORT

For technical assistance, troubleshooting beyond this manual, or inquiries about your Wolf Guard HW-GJ01A Wireless PIR Motion Sensor, please visit the official Wolf Guard website or contact their customer support. Contact details may also be available on your product packaging or purchase documentation.

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

Open the live page

<https://manuals.plus/asin/B0777M23CJ>

More documents and user manuals: <https://manuals.plus/>