

DIGOO DG-HOSA

Digoo DG-HOSA 433MHz Wireless Infrared PIR Detector User Manual

1. INTRODUCTION

Thank you for choosing the Digoo DG-HOSA 433MHz Wireless Infrared PIR Detector. This device is designed to enhance your home security by detecting motion within its coverage area. Please read this manual carefully before installation and operation to ensure proper use and optimal performance.

2. PRODUCT OVERVIEW

The Digoo DG-HOSA is a passive infrared (PIR) motion detector that senses changes in infrared radiation caused by the movement of people or objects. It operates wirelessly at 433MHz, making it compatible with various security systems.



Image of the Digoo DG-HOSA Wireless Infrared PIR Detector, a white, rectangular device with a rounded top and bottom, featuring a translucent upper section for the sensor and the 'DIGOO' logo on the lower opaque section.

3. SPECIFICATIONS

Feature	Description
Working Voltage	2x AAA Battery
Working Current	25mA
Static Current	15uA
Detecting Distance	8-12m (depending on house situation)
Emission Distance	80m (Open Area)
Detect Angle	120°
Installation Height	Recommend 1.8m-2.2m
Operation Temperature	-10°C to 55°C
Wireless Frequency	433MHz
Model	DG-HOSA
Brand	DIGOO
UPC	688975216338

4. SETUP

4.1 Battery Installation

The DG-HOSA detector requires 2x AAA batteries for operation. These are typically included for your convenience. To install or replace batteries:

1. Locate the battery compartment on the back of the detector.
2. Open the compartment cover.
3. Insert the 2x AAA batteries, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.

4.2 Placement and Installation

Proper placement is crucial for effective motion detection.

- **Recommended Installation Height:** Install the detector at a height of 1.8m to 2.2m (approximately 5.9 to 7.2 feet) from the floor.
- **Detection Area:** The detector has a 120° detection angle and a range of 8-12m. Position it to cover the desired area without obstructions.
- **Avoid Direct Sunlight/Heat Sources:** Do not install the detector in direct sunlight or near heat sources (e.g., radiators, vents) as this can cause false alarms.
- **Wireless Range:** Ensure the detector is within the 80m (open area) wireless range of your compatible security system's receiver. Walls and other obstacles will reduce this range.

5. OPERATING INSTRUCTIONS

Once installed and powered, the Digoo DG-HOSA detector will begin monitoring its detection area. When motion is detected within its 8-12m range and 120° angle, it will transmit a signal wirelessly at 433MHz to your connected security system. Refer to your security system's manual for instructions on how to pair or enroll the DG-HOSA detector.

The detector is designed for continuous operation. It will automatically reset after a detection event, ready to detect subsequent motion.

6. MAINTENANCE

To ensure the longevity and reliable performance of your Digoo DG-HOSA detector, follow these maintenance guidelines:

- **Battery Replacement:** Replace batteries promptly when the low battery indicator (if present on your security system) is activated, or if the detector stops responding. Use only high-quality AAA batteries.
- **Cleaning:** Gently wipe the exterior of the detector with a soft, dry cloth. Do not use abrasive cleaners or solvents, as these can damage the device. Ensure the sensor lens is clean and free of dust or smudges.
- **Regular Testing:** Periodically test the detector by walking through its detection area to confirm it is functioning correctly and communicating with your security system.

7. TROUBLESHOOTING

If you experience issues with your Digoo DG-HOSA detector, consider the following:

- **No Detection:**
 - Check if batteries are installed correctly and have sufficient charge.
 - Ensure the detector is within the wireless range of your security system.
 - Verify there are no obstructions blocking the sensor's view.
 - Confirm the installation height is within the recommended range.
- **False Alarms:**
 - Relocate the detector away from direct sunlight, heating/cooling vents, or rapidly changing temperatures.
 - Ensure pets or moving objects (e.g., curtains in a draft) are not triggering the sensor.
 - Clean the sensor lens to remove any dust or debris.
- **Communication Issues:**
 - Re-pair the detector with your security system according to your system's instructions.
 - Reduce the distance between the detector and the receiver, or remove obstacles that may interfere with the 433MHz signal.

8. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation provided with your purchase or contact the seller/manufacturer directly. Keep your proof of purchase for any warranty claims.