GBC RF433

GBC iSnatch RF433 Indoor Pet Immune PIR Sensor Instruction Manual

Model: RF433

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your GBC iSnatch RF433 Indoor Pet Immune PIR Sensor. This device is designed to enhance the security of your indoor environments by detecting motion and integrating with compatible iSnatch alarm systems. Its advanced pet-immune technology helps prevent false alarms caused by small animals.

Please read this manual thoroughly before installation and use to ensure proper functionality and to maximize the benefits of your security system.

2. PRODUCT OVERVIEW

The GBC iSnatch RF433 PIR Sensor is an essential component for expanding your iSnatch alarm system. It utilizes Passive Infrared (PIR) technology to detect changes in infrared radiation, indicating the presence of a moving body within its detection zone.

- **Wide Detection Range:** Covers an area of 110 degrees up to 8 meters.
- **Pet Immunity:** Equipped with a PET IMMUNE system to disregard movements from animals weighing under approximately 25 kg, significantly reducing false alarms.
- **Integrated Tamper Protection:** Features an anti-sabotage tamper switch that triggers an alarm if the sensor is forcibly removed or opened.
- **Wireless Communication:** Operates on RF433 frequency for seamless integration with compatible iSnatch alarm panels.
- **Flexible Mounting:** Includes an articulated wall mount for optimal positioning.

Figure 1: Front view of the GBC iSnatch RF433 Indoor Pet Immune PIR Sensor. The sensor features two detection windows and a small indicator light.

3. PACKAGE CONTENTS

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

- GBC iSnatch RF433 Indoor Pet Immune PIR Sensor
- Articulated Wall Mount Bracket
- Mounting Screws and Wall Plugs
- User Manual (this document)
- Battery (pre-installed or separate, check packaging)

4. SETUP AND INSTALLATION

4.1 Battery Installation

1. Carefully open the sensor casing.

2. Insert the battery, ensuring correct polarity (+/-).

3. Close the sensor casing securely.

4.2 Mounting Location Selection

Choose a mounting location that provides optimal coverage and minimizes false alarms:

- Mount the sensor in a corner or on a flat wall at a height of approximately 2.0 to 2.4 meters (6.5 to 8 feet) from the floor.

- Avoid directing the sensor towards heat sources (e.g., radiators, direct sunlight, air vents) or areas with significant air currents, as these can cause false detections.

- Ensure the detection area is clear of large obstructions.

- For pet immunity, consider the typical movement paths of your pets. The sensor should be mounted at a height where pets under 25 kg are below the main detection zone, allowing them to move freely without triggering the alarm.

4.3 Physical Installation

1. Attach the articulated wall mount bracket to your chosen location using the provided screws and wall plugs.

2. Secure the PIR sensor onto the bracket.

3. Adjust the angle of the sensor using the articulated mount to cover the desired area.

4.4 Pairing with iSnatch Alarm System

Refer to your iSnatch alarm panel's user manual for specific instructions on how to add a new wireless sensor. Generally, the process involves:

1. Putting your iSnatch alarm panel into "learning" or "pairing" mode.

2. Triggering the PIR sensor (e.g., by walking in front of it or activating its tamper switch) to send a signal to the panel.

3. Confirming the sensor has been successfully added to a zone on your alarm panel.

Compatible iSnatch Alarm Models:

- HeyAlarm (Model: 67.6832.55)
- SECUREASY 2 (Model: 67.3200.40)
- SecurEVO (Model: 67.3200.55)
- HomeDefense (Model: 67.3200.58)
- SECURWI 2 (Model: 67.3200.60)

5. OPERATING INSTRUCTIONS

Once installed and paired, the GBC iSnatch RF433 PIR Sensor operates automatically in conjunction with your iSnatch alarm system.

- When the alarm system is armed, the PIR sensor will actively monitor its detection zone.

- Upon detecting a significant change in infrared energy (indicating human movement), the sensor will transmit a signal to the alarm panel.

- The alarm panel will then initiate the programmed response, such as sounding the siren or sending notifications.

- The pet-immune feature ensures that pets weighing less than 25 kg moving within the detection area will not trigger the alarm, provided the sensor is installed correctly.

- If the sensor casing is tampered with while the system is armed, the integrated anti-sabotage tamper switch will activate, sending an immediate alert to the alarm panel.

6. MAINTENANCE

6.1 Battery Replacement

The sensor is battery-powered. When the battery level is low, your iSnatch alarm panel will typically indicate a low battery warning for the sensor. Replace the battery promptly to ensure continuous protection.

1. Disarm your alarm system before proceeding.
2. Carefully open the sensor casing.
3. Remove the old battery and dispose of it according to local regulations.
4. Insert a new battery of the same type, observing correct polarity.
5. Close the sensor casing securely.
6. Test the sensor with your alarm system to confirm proper operation.

6.2 Cleaning

Periodically clean the sensor's lens and casing to ensure optimal performance. Use a soft, dry cloth. Do not use abrasive cleaners or solvents, as these can damage the sensor.

6.3 Regular Checks

It is recommended to test your PIR sensor and alarm system regularly (e.g., monthly) to ensure all components are functioning correctly.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Sensor not detecting motion.	- Low or dead battery. - Incorrect sensor placement or obstruction. - Sensor not properly paired with alarm panel.	- Replace the battery. - Adjust sensor position; ensure clear line of sight. - Re-pair the sensor with the alarm panel (refer to Section 4.4).
Frequent false alarms.	- Heat sources or air currents in detection zone. - Pet immunity not effective (e.g., large pets, incorrect mounting height). - Sensor directed towards windows or reflective surfaces.	- Relocate sensor away from heat/air sources. - Verify pet weight is under 25 kg; adjust mounting height or angle. - Reposition sensor to avoid direct sunlight or reflections.
Tamper alarm triggers unexpectedly.	- Sensor casing not securely closed. - Loose mounting.	- Ensure the sensor casing is fully closed and latched. - Tighten mounting screws.

8. SPECIFICATIONS

Brand	GBC
Model	RF433
Manufacturer	ISNATCH
Power Source	Battery Powered
Detection Range	110 degrees, up to 8 meters
Pet Immunity	Immune to pets under approximately 25 kg
Mounting Type	Wall Mount (articulated)
Product Dimensions (D x W x H)	3.2 x 5.3 x 3.2 centimeters
Item Weight	1 Kilogram
Operating Temperature	Up to 55 Degrees Celsius
Compatible Devices	HeyAlarm (67.6832.55), SECUREASY 2 (67.3200.40), SecurEVO (67.3200.55), HomeDefense (67.3200.58), SECURWI 2 (67.3200.60)

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your iSnatch alarm system or contact your retailer or the manufacturer directly. Keep your proof of purchase for warranty claims.

Manufacturer: ISNATCH