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CHACON 34945

CHACON Infrared Motion Detector (Pet-Friendly)

Model: 34945

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your CHACON Infrared Motion Detector (Model 34945). This device is designed to secure your home, office, or business against theft by detecting movement, while being insensitive to pets weighing up to 25kg. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

2. SAFETY INFORMATION

- Ensure the device is installed in a location where it is protected from direct sunlight, extreme temperatures, and high humidity.
- Do not attempt to open or repair the device yourself. Refer all servicing to qualified personnel.
- Use only the specified battery type (Alkaline) for power. Incorrect battery types may damage the device or pose a fire hazard.
- Keep the device out of reach of children and pets.
- Dispose of used batteries according to local regulations.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x CHACON Infrared Motion Detector (Pet-Friendly)
- 1 x Installation Manual (this document)
- Mounting hardware (screws, wall plugs) - *(Assumed, as it's a wall-mount device)*





4. PRODUCT OVERVIEW

The CHACON Infrared Motion Detector is a compact, white device designed for discreet installation. It features a passive infrared (PIR) sensor to detect movement within its range.



Image 4.1: Front view of the CHACON Infrared Motion Detector, showing the sensor lens and indicator light.

Key Features:

- **Pet-Friendly Detection:** Ignores pets up to 25kg, reducing false alarms.
- **Low Battery Indication:** Alerts you when the battery needs replacement.
- **Enhanced Detection Precision:** Special design for improved accuracy.
- **Tamper Protection:** Built-in protection against unauthorized removal or tampering.
- **Easy Installation:** Designed for quick and straightforward wall mounting.
- **Compatibility:** Works seamlessly with CHACON alarm systems (models 34940, 34941, 34942, 34943).

5. SETUP AND INSTALLATION

5.1 Choosing an Installation Location

Select a location that provides optimal coverage of the area you wish to monitor. Consider the following:

- Mount the detector in a corner or on a flat wall at a height of approximately 2.2 to 2.5 meters (7.2 to 8.2 feet) from the floor.
- Avoid aiming the detector directly at heat sources (e.g., radiators, vents) or windows where direct sunlight or strong drafts may occur.
- Ensure the detection path is clear of large obstructions.
- For pet immunity, ensure pets cannot climb onto furniture or objects within the detection zone that would place them above the pet-immune threshold.

5.2 Battery Installation

1. Carefully open the detector casing.
2. Insert the required Alkaline batteries into the battery compartment, observing the correct polarity (+/-).
3. Close the casing securely.

5.3 Mounting the Detector

1. Once the location is chosen, mark the drilling points on the wall using the detector's mounting holes as a template.
2. Drill holes at the marked points and insert wall plugs if necessary.
3. Secure the detector to the wall using the provided screws.
4. Ensure the detector is firmly attached and does not wobble.

6. OPERATING INSTRUCTIONS

6.1 Pairing with a CHACON Alarm System

To integrate the motion detector with your CHACON alarm system (e.g., 34940, 34941, 34942, 34943), follow the pairing instructions provided in your alarm system's manual. Generally, this involves:

1. Put your CHACON alarm system into pairing mode.
2. Activate the motion detector (e.g., by pressing a test button or triggering a detection).
3. Confirm successful pairing on your alarm system's display or indicator.

Refer to your specific CHACON alarm system manual for detailed pairing procedures.

6.2 Detection and Indication

- When motion is detected, the detector will send a signal to the paired alarm system.
- A small LED indicator on the detector may flash briefly upon detection (this behavior can vary based on the specific model and its configuration).
- The pet-friendly feature ensures that animals weighing up to 25kg will not trigger an alarm under normal circumstances.

7. MAINTENANCE

7.1 Cleaning

- Wipe the exterior of the detector with a soft, dry cloth.
- Do not use abrasive cleaners, solvents, or aerosol sprays, as these can damage the device.
- Ensure the sensor lens remains clean and free of dust for optimal performance.

7.2 Battery Replacement

The detector features a low battery indication. When this indicator activates (e.g., a specific LED pattern or signal to the alarm system), replace the batteries promptly to ensure continuous protection.

1. Open the detector casing.
2. Remove the old batteries.
3. Insert new Alkaline batteries, ensuring correct polarity.
4. Close the casing securely.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Detector not responding / No detection.	Batteries are dead or incorrectly installed. Detector is out of range of the alarm system. Obstruction in the detection zone. Incorrect pairing with the alarm system.	Replace batteries, ensuring correct polarity. Relocate the detector closer to the alarm system or use a range extender if available. Clear any objects blocking the sensor's view. Re-pair the detector with the alarm system following the alarm system's manual.
False alarms (triggered by pets).	Pet is climbing onto furniture within the detection zone. Detector is aimed at a heat source or window. Pet exceeds the 25kg weight limit.	Adjust detector placement or restrict pet access to certain areas. Relocate the detector away from heat sources or direct sunlight. This detector is designed for pets up to 25kg; consider alternative solutions for larger animals.
Low battery indicator is on.	Batteries are low.	Replace batteries immediately as per Section 7.2.

9. SPECIFICATIONS

Model Number	34945
Brand	CHACON
Dimensions (L x W x H)	10 x 4 x 15 cm (3.94 x 1.57 x 5.91 inches)
Weight	191 grams (0.42 lbs)

Color	White
Power Source	Battery Powered (Alkaline)
Maximum Range	8 Meters (26.2 feet)
Mounting Type	Wall Mount
Pet Immunity	Up to 25kg (55 lbs)
Compatible Devices	CHACON Alarms: 34940, 34941, 34942, 34943

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official CHACON website or contact their customer service directly. Keep your purchase receipt as proof of purchase.

Online Resources: Visit www.chacon.com for product updates, FAQs, and additional support.

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