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> **Chacon Door/Window Opening Detector Model 34946 User Manual**

CHACON 34946

Chacon Door/Window Opening Detector

MODEL: 34946

Brand: CHACON

1. Introduction

This manual provides essential instructions for the installation, operation, and maintenance of your Chacon Door/Window Opening Detector, Model 34946. This device is designed to enhance the security of your premises by detecting unauthorized openings of doors and windows.

1.1. Package Contents

Please verify that all components are present in your package:

- 1 x Chacon Door/Window Opening Detector (Main Unit and Magnet)
- 1 x Installation Manual
- 2 x CR2032 3V Batteries (*Note: Please check your package as battery inclusion may vary.*)



Image 1.1: Product packaging for the Chacon Door/Window Opening Detector.

2. Safety Information

- Read all instructions carefully before installation and use.
- Keep the device away from water and high humidity.
- Do not attempt to disassemble or repair the device yourself. Refer to qualified personnel for service.
- Dispose of batteries according to local regulations. Do not expose batteries to excessive heat or fire.
- Keep batteries out of reach of children.

3. Product Overview

The Chacon Door/Window Opening Detector consists of two main parts: the main sensor unit and a magnetic contact. When these two parts are separated (e.g., a door or window opens), the sensor triggers an alert.



Image 3.1: The Chacon Door/Window Opening Detector, showing the main sensor unit and its magnetic counterpart.

3.1. Key Features

- **Door and Window Opening Detection:** Triggers an alert when a protected entry point is opened.
- **Immediate Audible Notification:** Provides an instant sound alert upon detection.
- **Anti-Tamper Self-Protection:** Activates an alarm if the sensor is forcibly removed from its mounting surface.

- **Pet Immunity:** Designed to be immune to movements of domestic animals up to 25kg, reducing false alarms.
- **Wireless Transmission:** Operates wirelessly with a range of up to 80 meters in an open field.
- **Compatibility:** Works with various Chacon alarm systems (Models 34940, 34941, 34942, 34943, 34948, 34949).

4. Setup and Installation

4.1. Battery Installation

1. Locate the battery compartment on the main sensor unit.
2. Open the compartment cover.
3. Insert two CR2032 3V batteries, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.

4.2. Mounting the Detector

The detector should be mounted on a door or window frame, with the magnetic contact mounted on the moving part (door/window) itself. Ensure the two parts are aligned and close to each other when the door/window is closed, typically within 1 cm.

1. Choose a suitable location on your door or window frame where the sensor and magnet can be mounted parallel to each other.
2. Clean the mounting surfaces thoroughly to ensure good adhesion if using adhesive pads (not explicitly mentioned but common).
3. Attach the main sensor unit to the fixed frame.
4. Attach the magnetic contact to the moving part of the door or window, aligning it with the main sensor unit.
5. Test the installation by opening and closing the door/window to ensure the sensor triggers correctly.



Image 4.1: Example of the Chacon Door/Window Opening Detector installed on a door or window frame.

4.3. Pairing with Chacon Alarm Systems

To integrate the detector with a compatible Chacon alarm system (e.g., models 34940, 34941, 34942, 34943, 34948, 34949), follow the pairing instructions provided with your specific alarm system. Generally, this involves putting the alarm system into pairing mode and then triggering the door/window sensor (e.g., by opening it) to register it with the system.

5. Operating Instructions

5.1. Detection Principle

The detector operates on a magnetic contact principle. When the main sensor unit and the magnetic contact are separated by more than approximately 1 cm, the sensor detects an "open" state. When they are brought back together, it detects a "closed" state.

5.2. Alarm Triggering

Upon detecting an opening, the sensor will:

- Emit an immediate audible notification (110 Decibels).
- Transmit a wireless signal (433 MHz) to a paired Chacon alarm system, triggering the system's response.

5.3. Anti-Tamper Function

The sensor is equipped with an anti-tamper function. If the main sensor unit is forcibly removed from its mounted

position, it will trigger an alarm, even if the magnetic contact remains in place.

5.4. Pet Immunity

This detector is designed to ignore movements from domestic animals weighing up to 25kg, minimizing false alarms caused by pets.

6. Maintenance

6.1. Battery Replacement

When the batteries are low, the sensor may indicate this through a specific LED flash pattern or by sending a low battery signal to a paired alarm system. To replace the batteries:

1. Open the battery compartment as described in Section 4.1.
2. Remove the old CR2032 3V batteries.
3. Insert new CR2032 3V batteries, observing correct polarity.
4. Close the battery compartment.

6.2. Cleaning

Wipe the sensor and magnet with a soft, dry cloth. Do not use abrasive cleaners or solvents, as these can damage the device.

7. Troubleshooting

Problem	Possible Cause	Solution
Sensor not detecting opening/closing.	<ul style="list-style-type: none">• Batteries are low or depleted.• Sensor and magnet are misaligned or too far apart.• Device is not powered on.	<ul style="list-style-type: none">• Replace batteries (see Section 6.1).• Realign the sensor and magnet, ensuring they are within 1 cm when closed.• Ensure batteries are correctly inserted.
No signal received by alarm system.	<ul style="list-style-type: none">• Sensor not paired with the alarm system.• Out of wireless range.• Interference.	<ul style="list-style-type: none">• Refer to Section 4.3 and your alarm system's manual for pairing instructions.• Relocate the sensor closer to the alarm system or use a signal repeater if available.• Check for other 433 MHz devices causing interference.
False alarms.	<ul style="list-style-type: none">• Sensor or magnet is loose.• Extreme vibrations.• Incorrect installation.	<ul style="list-style-type: none">• Securely re-mount the sensor and magnet.• Ensure the mounting surface is stable.• Verify alignment and proximity of sensor and magnet.

8. Specifications

Model Number	34946
Manufacturer	CHACON
Product Dimensions (L x W x H)	10 x 4 x 15 cm

Weight	100 grams
Color	White
Power Supply	2 x CR2032 3V Batteries
Radio Frequency	433 MHz
Wireless Transmission Range	Up to 80 meters (open field)
Sound Level (Alarm)	110 Decibels
Compatible Chacon Alarm Systems	34940, 34941, 34942, 34943, 34948, 34949
EAN	05411478349464

9. Warranty and Support

9.1. Warranty Information

CHACON products are covered by a manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation included with your purchase or visit the official CHACON website. Keep your proof of purchase for warranty claims.

9.2. Customer Support

For technical assistance, troubleshooting, or further information regarding your Chacon Door/Window Opening Detector, please contact CHACON customer support. You can find contact details on the official CHACON website: www.chacon.com (Note: This is a placeholder URL, please refer to the actual brand website for support)