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CHAMBERLAIN CWPIR

Chamberlain CWPIR Weatherproof Outdoor Alert System Add-On Sensor

Model: CWPIR

INTRODUCTION

The Chamberlain CWPIR Weatherproof Outdoor and Alert System Add-On Sensor is designed to expand your existing Chamberlain CWA2000 Wireless Motion Alert System (sold separately). This passive infrared (PIR) sensor detects motion in outdoor environments, providing an alert to your base unit. It features a robust, weatherproof design suitable for various outdoor conditions and includes adjustable sensitivity settings to minimize false alarms.

SAFETY INFORMATION

- Ensure proper battery installation, observing polarity.
- Do not mix old and new batteries, or different types of batteries.
- Dispose of used batteries according to local regulations.
- Mount the sensor securely to prevent it from falling.
- Avoid pointing the sensor directly at heat sources or moving objects that are not intended to trigger an alert, such as busy roads or swaying branches.

PACKAGE CONTENTS

- Chamberlain CWPIR Add-On Sensor Unit
- Mounting Bracket
- User Manual (this document)

SETUP

Battery Installation

The CWPIR sensor requires 4 AA batteries (not included). To install, open the battery compartment, insert

the batteries according to the polarity markings, and securely close the compartment. The sensor is designed for a 2-year battery life under normal operating conditions.



Image: Chamberlain CWPIR Add-On Sensor unit.

Mounting the Sensor

Use the included mounting bracket to secure the sensor in your desired outdoor location. For optimal performance, consider the following:

- **Height:** Mount the sensor at a height that allows for clear detection of the intended targets (e.g., vehicles, people) while minimizing interference from small animals or ground-level foliage.
- **Line of Sight:** Ensure a clear line of sight between the sensor and the area you wish to monitor. Obstructions can reduce detection range and signal transmission.
- **Angle:** Position the sensor to cover the desired detection zone. The sensor offers a wide 120-degree angle coverage.



Image: A Chamberlain CWPIR sensor mounted on a wooden post, positioned to detect a person walking by.



Image: A Chamberlain CWPIR sensor mounted on a wooden post, overlooking an area with a red safety barrier.

Pairing with CWA2000 Base Unit

To integrate the CWPIR add-on sensor with your Chamberlain CWA2000 base unit, follow the pairing instructions provided in your CWA2000 base unit manual. Typically, this involves activating a 'learn' mode on the base unit and then triggering the sensor to establish a connection. The sensor transmits a signal up to a half-mile away in ideal conditions.



Image: Graphic illustrating a 1/2 mile range capability.

OPERATING THE SENSOR

Motion Detection

The CWPIR sensor utilizes passive infrared technology to detect changes in heat signatures within its detection zone. When motion is detected, the sensor sends a wireless signal to the paired CWA2000 base unit, triggering an alert. The sensor can detect motion up to 30 feet away with a wide 120-degree angle coverage.



Image: A Chamberlain CWPIR sensor mounted on a tree, detecting a deer in a grassy field.

Adjustable Sensitivity

The sensor features adjustable sensitivity control. This allows you to fine-tune the detection threshold to prevent unwanted triggers from small animals or environmental factors like strong winds moving foliage. Refer to the sensor unit for the sensitivity adjustment dial or switch.

MAINTENANCE

Battery Replacement

The sensor is designed for approximately 2 years of battery life. When the batteries are low, the CWA2000 base unit may indicate a low battery status for the corresponding sensor. Replace all 4 AA batteries simultaneously to ensure consistent performance.

Weatherproofing

The CWPIR sensor is weatherproof. Periodically inspect the sensor casing and seals for any signs of wear or damage that could compromise its weather resistance. Ensure the battery compartment is always securely closed.



WEATHER PROOF

Image: Graphic illustrating the weatherproof design of the sensor.

TROUBLESHOOTING

- **Sensor not detecting motion:**

- Check if batteries are correctly installed and have sufficient charge.
- Verify the sensor's sensitivity setting. Increase if necessary.
- Ensure there are no obstructions blocking the sensor's field of view.
- Confirm the sensor is within range of the CWA2000 base unit.

- **False alarms:**

- Reduce the sensor's sensitivity setting.
- Reposition the sensor to avoid direct sunlight, strong winds, or areas with frequent movement of small animals or swaying vegetation.
- Ensure the sensor is not pointed at reflective surfaces or heat sources.

- **No signal to base unit:**

- Check the sensor's batteries.
- Ensure the sensor is properly paired with the CWA2000 base unit (refer to CWA2000 manual).
- Reduce the distance between the sensor and the base unit, or clear any major obstructions.

- **Corrosion or water intrusion:**

- While the sensor is weatherproof, extreme conditions or improper sealing during battery changes can lead to issues. Ensure all covers are tightly secured. If corrosion is present, it may indicate a compromised seal or prolonged exposure to moisture.

SPECIFICATIONS

| Feature | Specification |
|-----------------------------|---|
| Brand | CHAMBERLAIN |
| Model Number | CWPIR |
| Power Source | Battery Powered (4 AA batteries, not included) |
| Item Weight | 8 ounces |
| Maximum Detection Range | 30 Feet |
| Detection Angle | 120 degrees |
| Mounting Type | Wall Mount |
| Battery Life | Approximately 2 years |
| Compatible Devices | Chamberlain CWA2000 base receiver (sold separately) |
| Wireless Transmission Range | Up to 0.5 mile (in ideal situations) |
| Product Dimensions | 3.75 x 5.63 x 3.06 inches |

WARRANTY INFORMATION

This Chamberlain CWPIR Add-On Sensor comes with a 1-year limited warranty from the date of purchase. Please retain your proof of purchase for warranty claims. The warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from misuse, accident, unauthorized modification, or improper installation.

CUSTOMER SUPPORT

For further assistance, technical support, or warranty inquiries, please contact Chamberlain customer service. Refer to the official Chamberlain website or the documentation included with your CWA2000 base unit for current contact information.