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ChiliTec 22757_22736

ChiliTec Wireless Motion Detector with Pilot Plug (Model 22757_22736) - Instruction Manual

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your ChiliTec Wireless Motion Detector with Pilot Plug. Please read this manual thoroughly before use to ensure proper function and safety.

SAFETY INSTRUCTIONS

Observe the following safety precautions to prevent injury or damage to the device:

- Ensure the power supply is disconnected before installation or maintenance of the wireless plug.
- This device is designed for outdoor use (IP44 rated) but should be protected from extreme weather conditions.
- Do not attempt to repair or modify the device yourself. Contact qualified personnel for service.
- Keep out of reach of children.
- Use only the specified battery type (2 AAA batteries) for the motion detector.
- The maximum switching capacity for the wireless plug is 2000W. Do not exceed this limit to prevent overload.

PACKAGE CONTENTS

- 1x Wireless Motion Detector
- 1x Wireless Pilot Plug (230V)
- 1x Instruction Manual

PRODUCT OVERVIEW

Wireless Motion Detector

The motion detector features a Passive Infrared (PIR) sensor for detecting movement and an adjustable twilight sensor. It is battery-powered and designed for wall mounting.





Wireless Pilot Plug

The wireless plug connects to a standard 230V outlet and receives signals from the motion detector to switch connected devices on or off. It has an IP44 rating for outdoor use and includes overload protection.



SETUP

Installing Batteries in the Motion Detector

1. Open the battery compartment on the motion detector.
2. Insert 2 AAA batteries, ensuring correct polarity.
3. Close the battery compartment securely.

Mounting the Motion Detector

The motion detector can be mounted on a wall using screws or adhesive.

1. Choose a suitable location for the motion detector, ensuring optimal detection range (up to 8m) and angle (90°).
2. Mark the drilling points for the mounting bracket.
3. Drill holes and secure the mounting bracket to the wall.
4. Attach the motion detector to the mounting bracket.



Pairing the Motion Detector with the Wireless Plug (Learning Function)

The system uses an easy learning function to pair the devices.

1. Plug the wireless pilot plug into a 230V outlet. The LED indicator will flash.
2. Press and hold the learning button on the wireless plug for approximately 3 seconds until the LED starts flashing rapidly.
3. Within 12 seconds, activate the motion detector (e.g., by moving in front of it or pressing its learning button if accessible with a pin).
4. The LED on the plug will stop flashing or change color to indicate successful pairing.
5. Test the connection by triggering the motion detector.

OPERATING INSTRUCTIONS

Motion Detection

When motion is detected within the sensor's range (up to 8 meters, 90° angle), the motion detector sends a signal to the paired wireless plug, activating the connected device.

Twilight Sensor

The integrated twilight sensor ensures that the connected device only switches on when ambient light levels fall below a certain threshold, contributing to energy efficiency. This setting is adjustable.

Adjustable Operating Duration

The duration for which the connected device remains on after motion detection can be adjusted to 6 seconds, 15 seconds, 1 minute, or 5 minutes. Refer to the device's controls for adjustment.

Manual Override

The wireless plug can also be switched by other compatible radio transmitters from the ChiliTec Pilota Casa series, offering alternative control options.

MAINTENANCE

Battery Replacement

When the motion detector's performance decreases or the LED indicator signals low battery, replace the 2 AAA batteries. Ensure correct polarity during replacement.

Cleaning

Clean the device surfaces with a soft, damp cloth. Do not use abrasive cleaners, solvents, or harsh chemicals. Ensure the PIR sensor lens is clear of obstructions for optimal performance.

Environmental Protection

Dispose of old batteries and the device according to local environmental regulations. Do not dispose of with household waste.

TROUBLESHOOTING

Device Not Responding

- Check if the batteries in the motion detector are correctly inserted and charged. Replace if necessary.
- Ensure the wireless plug is securely plugged into a live 230V outlet.
- Verify that the motion detector and wireless plug are properly paired. Repeat the pairing process if needed.
- Check the distance between the motion detector and the plug. The maximum range is 30 meters in open areas; walls and other obstacles can significantly reduce this range.

Device Switches On/Off Randomly

- Adjust the sensitivity of the motion detector if possible.
- Ensure there are no moving objects (e.g., tree branches, pets, reflective surfaces) within the detection area that could trigger the sensor unintentionally.
- Check for strong radio interference from other devices operating on similar frequencies (433.92 MHz).

Connected Device Does Not Switch Off

- Verify the set operating duration.
- Ensure continuous motion is not being detected, which would keep the device active.

SPECIFICATIONS

Feature	Detail
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Feature	Detail
Brand	ChiliTec
Model Number	22757_22736
Power Supply (Plug)	230V / 50Hz
Power Supply (Detector)	2x AAA Batteries
Max. Switching Capacity	2000W
Current	8.7 A
Wireless Frequency	433.92 MHz
Wireless Range	Max. 30m (open area)
Motion Detection Range	Max. 8m
Detection Angle	90°
Adjustable Operating Duration	6s, 15s, 1m, 5m
Protection Rating	IP44 (Outdoor Use)
Material	Durable Plastic
Dimensions (Detector)	80 x 80 x 12 mm (PIR eye 30 mm height)
Dimensions (Plug)	Ø 49 x 60 mm, 98 mm depth with base, 48 mm inserted
Operating Mode	Automatic
Certification	CE

WARRANTY AND SUPPORT

For warranty information and technical support, please contact your retailer or the manufacturer, ChiliTec GmbH. Keep your proof of purchase for warranty claims.

Manufacturer: ChiliTec GmbH

Model Number: 22757_22736