Eglo 97421

Eglo 97421 DETECT ME 6 PIR Motion Sensor

User Manual

Model: 97421

Introduction

Thank you for choosing the Eglo 97421 DETECT ME 6 PIR Motion Sensor. This device is designed to enhance security and convenience by automatically activating lighting based on detected motion. It features a 360-degree detection range and adjustable sensitivity, making it suitable for various applications, particularly for converting outdoor lights into motion-activated security lights.



Image: Front view of the Eglo 97421 DETECT ME 6 PIR Motion Sensor, showing its compact, white, circular design with the central sensor dome.

Safety Information

Please read all safety instructions carefully before installation and operation. Failure to do so may result in electric shock, fire, or other injuries.

- **Electrical Safety:** Installation should only be performed by a qualified electrician or competent person in accordance with local wiring regulations. Ensure power is disconnected at the main circuit breaker before beginning any installation work.
- **Outdoor Use:** This product has an IP44 rating, making it suitable for outdoor use. However, ensure all connections are properly sealed and protected from direct water ingress.
- **Mounting:** Mount the sensor securely to a stable surface to prevent accidental dislodgement.
- **Operating Temperature:** Do not operate the device outside its specified temperature range.

What's in the Box

Upon opening the packaging, please verify that all components are present:

- Eglo 97421 DETECT ME 6 PIR Motion Sensor
- Assembly Instructions

Setup

The Eglo 97421 motion sensor is designed for ceiling mount installation. Follow the detailed assembly instructions provided in the box for proper wiring and mounting.

1. **Power Disconnection:** Before any installation, ensure the main power supply to the circuit is turned off at the fuse box or circuit breaker.
2. **Mounting Location:** Choose a suitable ceiling location that allows for optimal detection coverage (up to 12m range) and is protected from direct weather exposure, despite its IP44 rating. Consider the sensor's dimensions (Ø 90 mm, H: 55 mm) for placement.
3. **Wiring:** Connect the sensor to your AC/DC power supply and the light fixture according to the wiring diagram in the assembly instructions. Ensure all connections are secure and insulated.
4. **Secure Mounting:** Affix the sensor securely to the ceiling using appropriate screws and anchors.
5. **Power Reconnection:** Once installation is complete and all connections are checked, restore power to the circuit.



Image: Side view of the Eglo 97421 DETECT ME 6 PIR Motion Sensor, illustrating its dimensions: 55 mm height and 90 mm diameter.

Operating

The Eglo 97421 PIR Motion Sensor is designed for automatic operation once correctly installed and powered.

- **Motion Detection:** The sensor detects infrared radiation (heat) emitted by moving objects within its 360-degree field of view and up to a distance of 12 meters.
- **Light Activation:** When motion is detected and the ambient light level falls below the set threshold, the sensor will activate the connected light fixture.
- **Adjustable Sensitivity (Lux):** The sensor features adjustable sensitivity between 3-2000 lux. This allows you to set the ambient light level at which the sensor becomes active. For example, a lower lux setting means the light will only activate in darker conditions, while a higher setting allows it to activate in brighter conditions. Refer to the assembly instructions for details on adjusting this setting.
- **Timer Function:** The sensor typically includes a timer function to control how long the light remains on after motion is no longer detected. Consult the assembly instructions for adjustment details.

Maintenance

The Eglo 97421 PIR Motion Sensor requires minimal maintenance to ensure optimal performance.

- **Cleaning:** Periodically wipe the sensor lens and housing with a soft, dry cloth to remove dust and dirt. Do not use abrasive cleaners or solvents, as these may damage the plastic material.
- **Inspection:** Regularly inspect the sensor and its wiring for any signs of damage, wear, or loose connections.
- **Environmental Factors:** Ensure the sensor's detection area remains clear of obstructions like growing foliage or new structures that could block its view.

Troubleshooting

If you experience issues with your Eglo 97421 Motion Sensor, consider the following common solutions:

- **Light Not Activating:**
  - Check if the power supply to the sensor and light fixture is active.
  - Verify the lux sensitivity setting. If it's set too high, the light may not activate in conditions you expect.
  - Ensure there are no obstructions blocking the sensor's field of view.
  - Test the connected light bulb to ensure it is functional.
- **Light Stays On Constantly:**
  - Check for constant motion within the detection area (e.g., swaying branches, pets).
  - Verify the timer setting. If set to maximum, it may appear to stay on for a long time.
  - Ensure the sensor is not exposed to direct heat sources or strong air currents that could trigger it.
- **Intermittent Operation:**
  - Inspect wiring connections for looseness or corrosion.
  - Ensure the power supply is stable.

If problems persist after attempting these steps, please contact a qualified electrician or Eglo customer support.

Specifications

Feature	Value
Brand	Eglo
Manufacturer	EGLO
Model Number	97421
Product Dimensions	9 x 5.5 x 9 cm

Feature	Value
Item Weight	102 g
Colour	White
Material	Plastic
Power Source	AC/DC
Switch Installation Type	Ceiling Mount
Maximum Range	12 Metres
Sensor Detection Angle	360 degrees
Sensitivity (Lux)	3-2000 lux
IP Rating	IP44
Batteries Required?	No
Bulb Features	Not Dimmable (for connected lights)

Warranty and Support

For information regarding product warranty, please refer to the documentation included with your purchase or visit the official Eglo website. For technical support or further assistance, please contact Eglo customer service or visit the Eglo Store on Amazon.

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question