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› Ledvion Motion Detector - Black - 360 Degree - Day/Night Sensor - 8m Range User Manual

## Ledvion Noir

# Ledvion Motion Detector (Model: Noir) User Manual

360 Degree Motion Detector with Day/Night Sensor and 8m Range

## INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of your Ledvion Motion Detector. This 360-degree motion sensor is designed for both indoor and outdoor use, featuring a day/night sensor and an 8-meter detection range. Please read this manual carefully before installation and use to ensure proper function and safety.

The motion detector is made from durable black plastic and is designed to integrate seamlessly with various environments. It can be connected to incandescent lamps up to 1200W and LED lamps up to 600W.

## PRODUCT OVERVIEW

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*Figure 1: Front view of the Ledvion Motion Detector. This image shows the sleek black design with the central sensor dome.*

The Ledvion Motion Detector is a compact, ceiling-mountable device designed to automatically switch connected lighting based on detected movement and ambient light levels. Its 360-degree detection capability ensures comprehensive coverage.

#### **Key Features:**

- **360-Degree Detection:** Provides full area coverage.
- **Day/Night Sensor (LUX Adjustment):** Allows adjustment of ambient light threshold for activation.
- **Adjustable Time Delay:** Configurable lighting duration from 10 seconds to 30 minutes.
- **Wide Detection Range:** Up to 8 meters.
- **Installation Height:** Optimal performance between 2.2 and 4 meters.
- **High Load Capacity:** Supports incandescent lamps up to 1200W and LED lamps up to 600W.
- **Durable Construction:** IP65 protection rating, suitable for indoor and outdoor use.

#### **SAFETY INFORMATION**

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- Always disconnect power before installation or maintenance.

- Installation should be performed by a qualified electrician if you are unsure.
- Do not exceed the maximum load capacity for connected lighting.
- Ensure the mounting surface is stable and can support the device.
- Keep the device away from direct heat sources or excessive moisture.

## SETUP AND INSTALLATION

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The Ledvion Motion Detector is designed for quick and easy installation using the provided screws and wall plugs.

### Installation Steps:

1. **Choose Location:** Select a suitable location on the ceiling, ensuring it is within the recommended installation height of 2.2 to 4 meters. The detection range is up to 8 meters, so consider the area you wish to cover.
2. **Disconnect Power:** Before beginning any electrical work, ensure the main power supply to the installation area is switched off at the circuit breaker.
3. **Mounting:**
  - Carefully detach the mounting base from the detector unit.
  - Position the mounting base on the desired ceiling location and mark the drilling points.
  - Drill holes and insert the provided wall plugs.
  - Secure the mounting base to the ceiling using the provided screws.
4. **Wiring:**
  - Connect the electrical wires to the terminals on the detector unit according to the wiring diagram (refer to the diagram on the device or packaging if available). Typically, this involves Live (L), Neutral (N), and Switched Live (L').
  - Ensure all connections are secure and properly insulated.
5. **Attach Detector:** Once wiring is complete, carefully attach the detector unit to the mounting base, ensuring it clicks securely into place.
6. **Restore Power:** Switch the main power supply back on.



*Figure 2: Example of the motion detector installed on a wall, demonstrating its discreet design.*



# WIDE DETECTION RANGE

Detection range 360° degrees with a detecting distance of 8 meters and 2,2 to 4 meters high



Figure 3: Illustration of the 360-degree detection range and recommended installation height (2.2 - 4 meters) with an 8-meter detection distance.

## OPERATING INSTRUCTIONS

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The Ledvion Motion Detector features adjustable settings for both ambient light (LUX) and time delay (TIME).

### Adjusting Settings:

The adjustment dials are typically located on the detector unit, often under a removable cover or on the back. Refer to Figure 4 for an example.



# SET YOUR IDEAL TIME DELAY

Set time delay from: min. 10 sec may differ 3 sec and max. 30 min may differ 2 min. Ambient light is adjustable between <3 - 2000 LUX



Figure 4: View of the adjustable dials for TIME and LUX settings on the motion detector.

- 1. Time Delay (TIME):** This setting determines how long the connected light remains on after motion is no longer detected.
  - Rotate the "TIME" dial to set the desired duration.
  - The range is typically from a minimum of 10 seconds to a maximum of 30 minutes.
- 2. Ambient Light (LUX):** This setting determines the ambient light level at which the detector will activate.
  - Rotate the "LUX" dial.
  - Setting it towards the "sun" symbol (higher LUX value) means the detector will only activate in brighter conditions (e.g., during the day).
  - Setting it towards the "moon" symbol (lower LUX value) means the detector will activate in darker conditions (e.g., only at night or in low light).
  - The adjustable range is typically between 3 and 2000 LUX.

**Testing:** After adjusting settings, test the detector by moving within its detection zone. Observe if the light activates as expected and stays on for the set duration.

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The Ledvion Motion Detector requires minimal maintenance to ensure optimal performance.

- **Cleaning:** Periodically wipe the sensor lens and housing with a soft, dry cloth to remove dust or dirt. Do not use abrasive cleaners or solvents.
- **Inspection:** Regularly check for any visible damage to the housing or wiring. If damage is found, disconnect power and have it inspected by a qualified technician.
- **Obstructions:** Ensure there are no new obstructions (e.g., furniture, plants) blocking the sensor's field of view, which could affect detection performance.

## TROUBLESHOOTING

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Problem	Possible Cause	Solution
Light does not turn on when motion is detected.	<ul style="list-style-type: none"><li>◦ Power supply is off.</li><li>◦ LUX setting is too high (daylight mode).</li><li>◦ Wiring error.</li><li>◦ Motion not within detection range.</li><li>◦ Connected bulb is faulty.</li></ul>	<ul style="list-style-type: none"><li>◦ Check circuit breaker and power switch.</li><li>◦ Adjust LUX setting towards the "moon" symbol.</li><li>◦ Verify wiring connections (consult a qualified electrician).</li><li>◦ Ensure movement is within 8m range and 360-degree field.</li><li>◦ Test or replace the connected bulb.</li></ul>
Light stays on continuously.	<ul style="list-style-type: none"><li>◦ Continuous motion in detection zone.</li><li>◦ TIME setting is too long.</li><li>◦ Wiring error (e.g., switched live connected directly to live).</li></ul>	<ul style="list-style-type: none"><li>◦ Ensure no constant movement or heat sources (e.g., heating vents) are triggering the sensor.</li><li>◦ Adjust TIME setting to a shorter duration.</li><li>◦ Verify wiring connections (consult a qualified electrician).</li></ul>
Light turns on too frequently or at inappropriate times.	<ul style="list-style-type: none"><li>◦ LUX setting is too low (activates in bright conditions).</li><li>◦ Sensor detecting unwanted movement (e.g., pets, trees swaying).</li></ul>	<ul style="list-style-type: none"><li>◦ Adjust LUX setting towards the "sun" symbol.</li><li>◦ Reposition the sensor or adjust its angle if possible to exclude unwanted areas.</li></ul>

If problems persist after attempting these solutions, please contact Ledvion customer support.

## SPECIFICATIONS

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Figure 5: Dimensions of the Ledvion Motion Detector.

Feature	Detail
Model Number	Noir
Brand	Ledvion
Detection Angle	360 degrees
Detection Range	Up to 8 meters
Installation Height	2.2 - 4 meters
Time Delay Adjustment	10 seconds to 30 minutes
Ambient Light (LUX) Adjustment	3 - 2000 LUX
Max Load (Incandescent)	1200W

Feature	Detail
Max Load (LED)	600W
IP Rating	IP65 (Suitable for indoor and outdoor use)
Dimensions (L x W x H)	10 x 10 x 4.5 cm
Weight	110 grams
Power Source	Mains Powered
Mounting Type	Ceiling Mount

## WARRANTY

This Ledvion product comes with a **2-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by improper installation, misuse, accidents, or unauthorized modifications.

**2**  
YEAR  
WARRANTY

# WARRANTY OF 2 YEARS

The strong housing ensures for a long lasting usage

**STRONG FRAME**

Ledvion

Figure 6: Warranty information, emphasizing the product's durable construction.

Please retain your proof of purchase for warranty claims.

## SUPPORT

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For further assistance, technical support, or warranty inquiries, please contact Ledvion customer service through their official website or the retailer where the product was purchased.

You can find more information and contact details on the [Ledvion Brand Store](#).