

EMOS G1240

EMOS G1240 IP65 Infrared Motion Detector User Manual

1. PRODUCT OVERVIEW

The EMOS G1240 is a waterproof surface-mounted Passive Infrared (PIR) motion detector designed for both indoor and outdoor applications. It detects moving objects, primarily people, within its detection field by sensing their body heat. Upon detection, it activates a connected device, such as lighting or an alarm, for a user-defined duration.



Image 1: Front view of the EMOS G1240 Infrared Motion Detector.

2. KEY FEATURES

- **Detection Range:** Up to 12 meters.
- **Detection Angle:** 180 degrees.
- **Ingress Protection:** IP65 rated, suitable for outdoor use.
- **Light Sensitivity (LUX):** Adjustable from 3 lux to 2000 lux (daylight).
- **Activation Duration (TIME):** Adjustable from 10 seconds to 15 minutes.
- **Maximum Load:** 600 W.
- **Compatibility:** LED compatible.
- **Mounting:** Surface mount (wall or ceiling).
- **Adjustable Sensor Lens:** The sensor lens can be pivoted for optimal coverage.



Bewegungsaktivierte Beleuchtung

Automatisches Einschalten des Lichts bei Bewegungserkennung in einem vordefinierten Bereich. Wasserdichtes Design für den Einsatz im Innen- und Außenbereich



Wasserdicht für den Außenbereich



12 m

Erfassungsbereich



180°

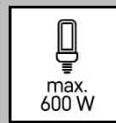
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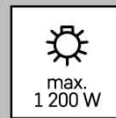
Image 2: Overview of key features including IP65 rating, detection range, and angle.

Bewegungsaktivierte Beleuchtung

Personalisierbare Lichtempfindlichkeit von 3 bis 2.000 Lux und Aktivierungsdauer von 10 Sekunden bis 15 Minuten



Max. kapazitive Last



Max. ohmsche Last



Schaltzeit



Schaltet LEDs

Image 3: Details on adjustable light sensitivity, activation duration, and power compatibility.

3. SETUP AND INSTALLATION

This motion detector is designed for surface mounting on walls or ceilings. Professional installation is recommended for electrical wiring. Ensure power is disconnected before installation.

3.1 Mounting

1. Choose a suitable mounting location, considering the 180-degree detection angle and 12-meter range. Avoid placing near heat sources or direct sunlight, which can cause false triggers.
2. Secure the base of the detector to the chosen surface using appropriate screws and anchors.
3. Connect the electrical wiring according to local electrical codes and the wiring diagram provided in the full product documentation (not included here).
4. Attach the main sensor unit to the mounted base.



EINFACH OBERFLÄCHENMONTIERBARER SENSOR

WAND ODER DECKE

Image 4: Example of the motion detector installed via surface mount.

3.2 Adjusting Settings

The EMOS G1240 features two adjustable dials for customizing its operation:

- **LUX (Light Sensitivity):** This dial controls the ambient light level at which the sensor becomes active. Turn towards the sun icon for activation in brighter conditions (up to 2000 lux) or towards the moon icon for activation only in darker conditions (down to 3 lux).
- **TIME (Activation Duration):** This dial sets how long the connected device remains active after motion is detected. Adjust from 10 seconds to 15 minutes.



Image 5: Close-up of the LUX and TIME adjustment dials.

The sensor lens can be pivoted to fine-tune the detection area. Adjust it carefully to cover the desired zone and avoid unwanted triggers.

4. OPERATING INSTRUCTIONS

Once installed and configured, the EMOS G1240 motion detector operates automatically. When motion is detected within its 180-degree field and 12-meter range, and the ambient light level meets the set LUX threshold, the connected device (e.g., light) will activate. The device will remain active for the duration set by the TIME dial. If motion is continuously detected, the timer will reset, keeping the device active until no motion is detected for the set duration.

5. MAINTENANCE

The EMOS G1240 is designed for durability with its IP65 rating. Regular maintenance is minimal:

- **Cleaning:** Periodically wipe the sensor lens with a soft, damp cloth to remove dust, dirt, or debris that may obstruct detection. Do not use abrasive cleaners.
- **Inspection:** Occasionally check the mounting and wiring for any signs of wear or damage, especially for outdoor installations.


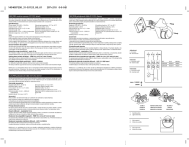
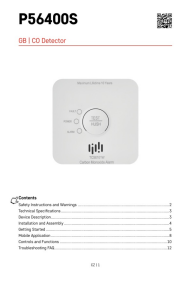
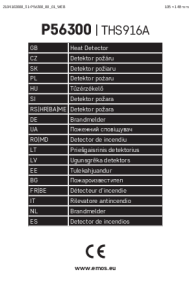

6. TROUBLESHOOTING

If you encounter issues with your EMOS G1240 motion detector, consider the following:

- **Device not activating:**
 - Check power supply to the detector and connected device.
 - Verify LUX setting: If it's set too high (towards sun icon), it may not activate in dim conditions. Adjust towards the moon icon.
 - Ensure no obstructions are blocking the sensor's field of view.
 - Confirm wiring connections are secure.
- **Device always on or activating too frequently:**
 - Adjust LUX setting: If it's set too low (towards moon icon), it might be activating in daylight. Adjust towards the sun icon.
 - Adjust TIME setting: Reduce the activation duration if it stays on too long.
 - Reposition the sensor lens to avoid detecting unwanted movement (e.g., passing traffic, swaying branches).
 - Check for heat sources (e.g., vents, direct sunlight) that might be causing false triggers.
- **Short detection range:**
 - Ensure the sensor lens is clean and unobstructed.
 - Verify mounting height and angle are optimal for the desired coverage.

7. SPECIFICATIONS

Feature	Specification
Manufacturer	EMOS
Model Number	G1240
Dimensions (L x W x H)	75 x 65 x 65 mm
Weight	150 Grams
Color	White
Power Source	Electric Cable
Ingress Protection (IP) Rating	IP65
Mounting Type	Wall Mount / Surface Mount
Maximum Range	12 Meters
Detection Angle	180 Degrees

	<p>EMOS G1120 PIR Motion Sensor: Features, Specifications, and Installation Guide</p> <p>Discover the EMOS G1120 PIR motion sensor. This document provides comprehensive details on its specifications, functionality, installation, and compliance, ensuring efficient and reliable automatic lighting control for indoor and outdoor use.</p>
	<p>EMOS G1125 PIR Motion Sensor: Specifications and Installation Guide</p> <p>Detailed specifications, features, and installation guide for the EMOS G1125 PIR motion sensor. Learn about its detection range, sensitivity, power, and more.</p>
	<p>P56400S Carbon Monoxide Detector User Manual EMOS</p> <p>Comprehensive user manual for the EMOS P56400S Carbon Monoxide (CO) Detector. Learn about safety instructions, technical specifications, installation, operation, mobile app integration with EMOS GoSmart, and troubleshooting.</p>
	<p>EMOS P56300 THS916A Heat Detector User Manual and Installation Guide</p> <p>Learn how to install and operate your EMOS P56300 THS916A Heat Detector with this comprehensive user manual. Includes safety information, technical specifications, placement guidelines, and troubleshooting tips.</p>
	<p>EMOS ZS2313W, ZS2333W, ZS2323W LED Floodlights with PIR Sensor: Specifications and Installation Guide</p> <p>Comprehensive technical specifications, installation instructions, maintenance guidelines, and safety warnings for EMOS ZS2313W, ZS2333W, and ZS2323W LED floodlights featuring integrated PIR motion sensors. Includes details on PIR sensor parameters, mounting, wiring, and product compliance.</p>