

Goobay 95175

Goobay 95175 Infrared Motion Detector User Manual

Model: 95175

1. PRODUCT OVERVIEW

The Goobay 95175 is a wall-mounted infrared motion detector designed for both indoor and outdoor applications. It features a 180-degree detection area and a range of up to 12 meters, making it suitable for automatically switching lights, lamps, and LEDs. Its IP44 rating ensures protection against splashing water, allowing for reliable operation in outdoor environments.

This sensor accurately detects the movement of people and animals, particularly effective in darkness or low-light conditions. The sensor head is rotatable and tiltable, enabling optimal adjustment of the detection area to suit specific requirements.



Image 1: Goobay 95175 Infrared Motion Detector. This image shows the white, wall-mounted motion detector with its adjustable sensor lens and control knobs for time and light sensitivity.

2. SAFETY INSTRUCTIONS

- **Electrical Safety:** Installation and maintenance must be performed by a qualified electrician in accordance with local electrical codes and regulations.
- **Power Disconnection:** Always disconnect power to the circuit at the main fuse box or circuit breaker before performing any installation, wiring, or maintenance.
- **Voltage:** Ensure the operating voltage of 230V (AC) is correctly supplied.
- **IP44 Rating:** The device is protected against splashing water (IP44). Do not immerse in water or expose to direct high-pressure water jets.
- **Mounting:** Mount the device securely to a stable surface.
- **Children:** Keep the device out of reach of children.

3. PRODUCT FEATURES

- **Detection Angle:** 180 degrees.
- **Detection Range:** Up to 12 meters.
- **Protection Class:** IP44 (splash-proof), suitable for outdoor use.
- **Sensor Adjustment:** Rotatable and tiltable sensor head for precise area coverage.
- **Light Sensitivity:** Adjustable from 3 lux (darkness) to 2000 lux (daylight).

- **Operating Duration:** Adjustable from 10 seconds to 420 seconds (7 minutes).
- **Switching Capacity:** Maximum 300W, minimum 1W.
- **Operating Voltage:** 230V (AC).
- **Installation Height:** Recommended between 1.8 meters and 2.5 meters.

4. SETUP AND INSTALLATION

This motion detector is designed for surface wall mounting. Ensure the mounting location is stable and provides the desired detection coverage.

4.1 Mounting Location Considerations

- Avoid mounting near heat sources (e.g., vents, direct sunlight) that could cause false triggers.
- Do not point the sensor directly at moving objects like trees or busy roads if not desired.
- The recommended installation height is between 1.8 m and 2.5 m for optimal performance.

4.2 Wiring Instructions

1. **Disconnect Power:** Turn off the main power supply to the installation area at the circuit breaker.
2. **Prepare Wires:** Strip the insulation from the electrical wires (Live, Neutral, Load) according to standard electrical practices.
3. **Connect Wires:** Use the screw terminals inside the detector to connect the wires. Typically:
 - Connect the Live (L) wire from the power supply to the Live terminal on the detector.
 - Connect the Neutral (N) wire from the power supply to the Neutral terminal on the detector.
 - Connect the Load (L') wire (to the light fixture) to the Load terminal on the detector.
4. **Secure Wiring:** Ensure all connections are tight and secure.
5. **Mount Detector:** Secure the detector to the wall using appropriate screws and anchors.
6. **Restore Power:** Once installation is complete and verified, restore power to the circuit.

5. OPERATING INSTRUCTIONS

The Goobay 95175 motion detector features adjustable settings for light sensitivity and operating duration.

5.1 Adjusting Light Sensitivity (LUX)

The 'LUX' knob controls the ambient light level at which the detector becomes active. Rotate the knob:

- Towards the 'moon' symbol (lower lux value) for activation only in darker conditions (e.g., night).
- Towards the 'sun' symbol (higher lux value) for activation in brighter conditions (e.g., twilight or even daylight).

5.2 Adjusting Operating Duration (TIME)

The 'TIME' knob sets how long the connected light remains on after motion is detected and no further motion is sensed. Rotate the knob:

- Towards '-' for a shorter duration (minimum 10 seconds).
- Towards '+' for a longer duration (maximum 420 seconds / 7 minutes).

5.3 Adjusting Sensor Angle

The sensor head can be manually rotated and tilted to precisely define the detection area. Adjust the sensor to cover the desired zone and avoid unwanted triggers.

6. MAINTENANCE

The Goobay 95175 motion detector requires minimal maintenance.

- **Cleaning:** Periodically wipe the sensor lens with a soft, dry cloth to remove dust or dirt that might obstruct detection. Do not use abrasive cleaners or solvents.
- **Inspection:** Regularly check the device for any signs of damage or loose connections.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on with motion.	No power; incorrect wiring; LUX setting too high; sensor obstructed; faulty bulb.	Check power supply; verify wiring connections; adjust LUX setting to 'moon' for testing; clear sensor path; replace bulb.
Light stays on continuously.	Constant motion in detection area; TIME setting too long; faulty sensor.	Adjust sensor angle to exclude constant motion; reduce TIME setting; if problem persists, sensor may be faulty.
Light turns on randomly.	Heat sources or moving objects in detection area; sensor too sensitive.	Adjust sensor angle to avoid heat sources or unwanted movement (e.g., trees, pets); ensure secure mounting to prevent vibration.
Detection range is too short/long.	Incorrect installation height; sensor angle not optimized.	Verify installation height is within 1.8m - 2.5m; adjust sensor head angle.

8. SPECIFICATIONS

Brand	Goobay
Model Number	95175
Manufacturer	Wentronic GmbH
Dimensions (L x W x H)	11.9 x 7.3 x 8.1 cm
Weight	223 grams (7.87 ounces)
Color	White
Power Type	AC (Alternating Current)
Voltage	230 Volts
Detection Angle	180 degrees
Max Detection Range	12 Meters

Switching Capacity	1W (min) - 300W (max)
Light Sensitivity Range	3 lx - 2000 lx
Operating Duration Range	10 seconds - 420 seconds (7 minutes)
Installation Height	1.8 m - 2.5 m
Protection Rating	IP44
Temperature Range	40 Degrees Celsius (Operating)
Batteries Required	No
Compatible Devices	Lighting control, smart home hub, security system

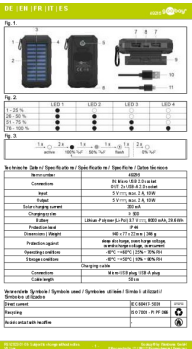
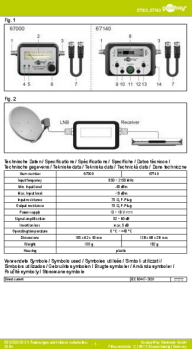
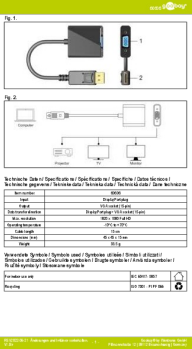
9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation provided with your purchase or contact Goobay customer service directly. Keep your proof of purchase for any warranty claims.

Manufacturer: Wentronic GmbH

Related Documents - 95175

	<p>Goobay Infrarot Bewegungsmelder 95174, 95175, 96001 Bedienungsanleitung</p> <p>Bedienungsanleitung für den Goobay Infrarot Bewegungsmelder. Enthält Informationen zu Installation, Bedienung, Sicherheitshinweisen und Fehlerbehebung für die Modelle 95174, 95175 und 96001.</p>
	<p>Goobay LED Outdoor Floodlight with Motion Sensor - User Manual and Specifications</p> <p>Comprehensive user manual and technical specifications for the Goobay LED outdoor floodlight with motion sensor. Covers installation, operation, settings, maintenance, and disposal.</p>
	<p>Goobay 77833 Multidetector User Manual</p> <p>Comprehensive user manual for the Goobay 77833 Multidetector, detailing its features, operation, safety instructions, and disposal guidelines.</p>

 <p>Goobay Outdoor Powerbank 8.0 (8000 mAh) - Portable Solar Charger and Torch</p> <p>Detailed information on the Goobay Outdoor Powerbank 8.0 (8000 mAh), including specifications, safety instructions, usage guide, charging capabilities, and disposal information. Features a solar panel, torch, and compass.</p>	
 <p>Goobay Satellite Finder 67000 & 67140 User Manual</p> <p>Comprehensive user manual for the Goobay Satellite Finder models 67000 and 67140, detailing setup, operation, specifications, and safety instructions for optimal satellite dish alignment.</p>	
 <p>Goobay 60606 DisplayPort to VGA Adapter User Manual</p> <p>User manual for the Goobay 60606 DisplayPort to VGA adapter, providing technical specifications, safety instructions, connection guides, troubleshooting tips, maintenance, and disposal information.</p>	