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Kanlux 7691

Kanlux Merge JQ-O Motion Detector User Manual

Model: 7691

INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Kanlux Merge JQ-O 360° motion detector. Please read these instructions carefully before use and retain them for future reference.

IMPORTANT SAFETY INFORMATION

- Installation must be performed by a qualified electrician in accordance with all local and national electrical codes.
- Disconnect power at the circuit breaker before installation, maintenance, or troubleshooting.
- Do not exceed the maximum load capacity of 2000 W (active) / 600 W (inductive).
- This device is designed for indoor use only.
- Ensure proper grounding to prevent electric shock.

PRODUCT OVERVIEW

The Kanlux Merge JQ-O is a recessed 360° motion detector designed to automatically switch lighting or other electrical loads based on detected movement and ambient light levels. Its compact design and white plastic housing make it suitable for various indoor applications.

Key Features:

- Recessed mounting for discreet integration.
- 360° horizontal detection angle.
- Adjustable operating time from 5 seconds to 6 minutes.
- Adjustable ambient light intensity threshold.
- Maximum detection range of 5 meters.
- White plastic housing.

TECHNICAL SPECIFICATIONS

Parameter	Value
Model Number	7691
Power Supply	220 Volts, Wired Electrically
Max. Active Load	2000 W
Max. Inductive Load	600 W
Detection Angle (Horizontal)	360°
Detection Angle (Vertical)	120°
Max. Detection Range	5 meters
Adjustable Operating Time	5 seconds to 6 minutes
Adjustable Light Intensity	Yes
Mounting Type	Recessed
Color	White
Housing Material	Plastic
Product Dimensions (L x W x H)	1 x 1 x 1 cm (119 grams)
Recessed Cutout Diameter	65 mm (as per description) / 62 mm (as per diagram) -Please refer to diagram for precise measurements.
Recessed Depth	73 mm (as per diagram)

INSTALLATION AND SETUP

Before beginning installation, ensure the main power supply is disconnected at the circuit breaker.

1. Mounting Location

Choose a suitable indoor location for recessed mounting. Avoid placing the detector near heat sources, air conditioning vents, or areas with direct sunlight, as these can cause false triggers. The optimal mounting height is typically between 2.2m and 4m for effective detection.

2. Prepare the Mounting Hole

Create a circular cutout in the ceiling or wall according to the specified dimensions. Refer to the diagram below for precise measurements.

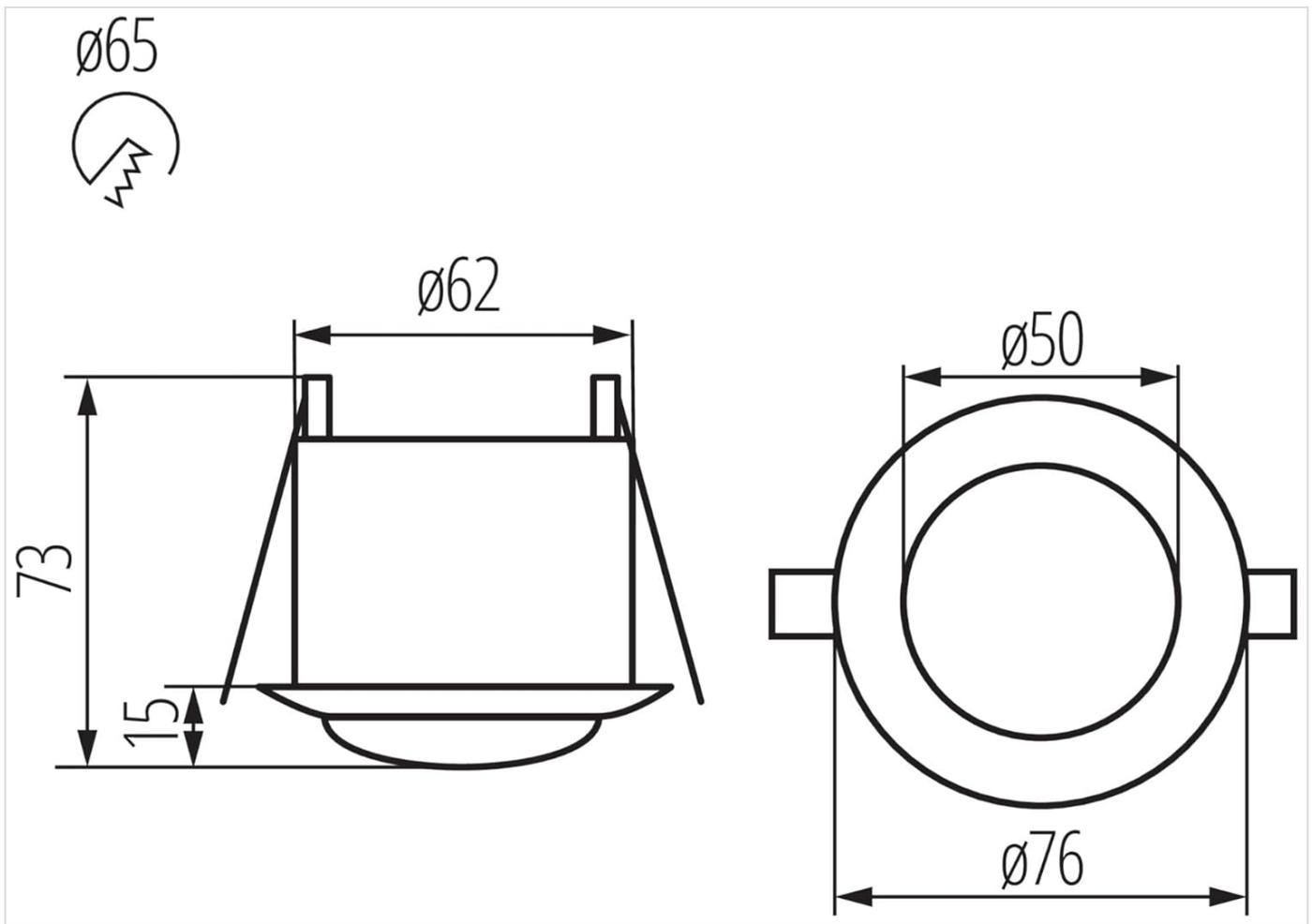


Figure 1: Kanlux Merge JQ-O Motion Detector Dimensions

This diagram illustrates the physical dimensions of the motion detector, including the required cutout size for recessed installation. The total depth is 73mm. The visible front ring has a diameter of 76mm, with the sensor lens having a diameter of 50mm. The main body for recessing has a diameter of 62mm. The recommended installation hole diameter is 65mm.

- **Recessed Cutout Diameter:** $\varnothing 65$ mm (as per product description) or $\varnothing 62$ mm (as per diagram for the body). The diagram also shows $\varnothing 76$ mm for the outer ring. Use $\varnothing 65$ mm for the hole.
- **Recessed Depth:** 73mm.

3. Wiring

Connect the detector to the 220V electrical supply and the load (e.g., light fixture) according to the wiring diagram provided with the product packaging. Ensure all connections are secure and insulated. The terminals are typically marked for Live (L), Neutral (N), and Switched Live (L').

Note: The provided product information does not include a specific wiring diagram. Always refer to the diagram supplied with your physical product for correct wiring.

4. Insert the Detector

Carefully push the detector into the prepared cutout. The spring clips will secure it in place.

5. Restore Power

Once installation is complete, restore power at the circuit breaker.

OPERATING INSTRUCTIONS AND ADJUSTMENTS

The Kanlux Merge JQ-O motion detector features adjustable settings for optimal performance.

1. Time Delay Adjustment (TIME)

This knob controls how long the connected load remains ON after motion is no longer detected. The adjustable range is from 5 seconds to 6 minutes. Turn the knob clockwise to increase the time delay and counter-clockwise to decrease it.

2. Light Sensitivity Adjustment (LUX)

This knob determines the ambient light level at which the detector will become active.

- Turn towards the "sun" symbol for activation only in bright conditions (e.g., daytime).
- Turn towards the "moon" symbol for activation in low light conditions (e.g., nighttime).

Adjust this setting to prevent the light from turning on unnecessarily during daylight hours.

3. Detection Area

The detector has a 360° horizontal and 120° vertical detection angle with a maximum range of 5 meters. Test the detection area after installation to ensure it covers the desired space. Walk through the area to observe when the detector triggers.

MAINTENANCE

- **Cleaning:** Gently wipe the sensor lens with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically check for any visible damage or loose connections.
- **No User-Serviceable Parts:** The device contains no user-serviceable parts. Do not attempt to open or repair the unit yourself. Refer all servicing to qualified personnel.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on when motion is detected.	<ul style="list-style-type: none">◦ No power to the detector.◦ LUX setting is too high (daylight mode).◦ Wiring error.◦ Motion not within detection range/angle.	<ul style="list-style-type: none">◦ Check circuit breaker and power supply.◦ Adjust LUX setting towards "moon" symbol.◦ Verify wiring connections (power off first).◦ Adjust detector position or test detection area.
Light stays on continuously or turns on randomly.	<ul style="list-style-type: none">◦ TIME setting is too long.◦ Constant motion in detection area.◦ Interference from heat sources or air currents.◦ Faulty unit.	<ul style="list-style-type: none">◦ Adjust TIME setting to a shorter duration.◦ Ensure no constant movement.◦ Relocate detector away from interference.◦ Contact customer support if problem persists.
Detection range is too short.	<ul style="list-style-type: none">◦ Obstructions blocking sensor.◦ Incorrect mounting height.	<ul style="list-style-type: none">◦ Clear any obstructions.◦ Ensure mounting height is within recommended range (2.2m - 4m).

If you encounter issues not listed here or if problems persist after attempting the suggested solutions, please contact Kanlux customer support.

WARRANTY AND CUSTOMER SUPPORT

Kanlux products are manufactured to high-quality standards. For information regarding warranty terms and conditions, please refer to the documentation provided with your purchase or visit the official Kanlux website. For technical assistance or support, please contact your retailer or Kanlux customer service directly.

Kanlux Official Website: www.kanlux.com