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Mossa WL PIR Black MODEL: 89437

INTRODUCTION

The bulkhead light incorporates a PIR (Passive Infra Red) sensing device which continuously scans a preset operating zone and immediately switches the lamp on when it detects movement in that area.

This means that whenever movement is detected within the range of the sensor the lamp will switch on automatically to illuminate pathways, steps, patios, porches, or whatever area you have selected to light for reasons of safety, convenience or security.

While there is movement within range of the unit the lamp will remain on.

WHILE TO FIT YOUR LIGHT

To achieve best results, we suggest you take into account the following points:

- Ideally the bulkhead light should be mounted 1.8 to 2.5 meters (6 to 8ft) above the area to be scanned (refer Fig.1A).
- To avoid damage to unit-do not aim the sensor towards the sun.
- To avoid nuisance triggering, the sensor should be directed away from heat sources such as barbecues, Air-conditioners, other outside lighting, moving cars and flue vents.
- To avoid nuisance triggering, keeping away from the area of strong electromagnetic disturbance.
- Do not aim towards reflective surfaces such as smooth white walls, swimming pools, etc. The PIR Sensor scanning specifications (approximately 10 meters at approx. 110°--horizontal) may vary slightly depending on the mounting height and location. The detection range of the unit may also alter with temperature change. Before selecting a place to install your global lamp you should note that movement across the scan area is more effective than movement directly toward or away from the sensor (refer Fig.1B). If movement is made walking directly towards or away from the sensor and not across, the apparent detection range will be substantially reduced. (refer Fig. 1C)

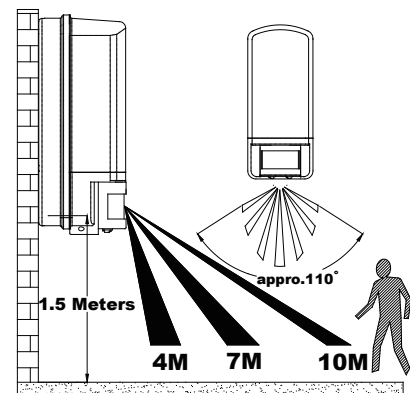


Fig. 1(A) DETECTION AREA

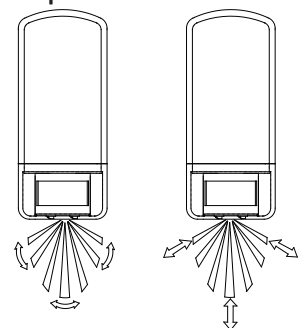


Fig. 1(B) GOOD Fig. 1(C) NOT GOOD

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INSTALLATION

Installation the bulkhead light, please referring to the Fig.2

1. Installation by a licensed electrician and according to IEC wiring Regulation.
2. Switch power off at the meter box and ensure that there is no power to the lamp.
3. Ensure install the unit according to the indicator of symbol direction on cover (**↑UP**)
4. Remove the Lampshade by Screwdriver, see figure.
5. Unscrew the Screw (A) and remove the Transparent Plate.
6. Mark the mounting hole positions onto the wall. Drill and plug the wall at the marked positions. Screw the lamp body to wall with suitable Mounting Screws (supplied)
7. Connecting the main power wires to the Terminal Block (see the relative symbols—Fig.2), the Cable must pass through the Wiring Rubber Gasket.
8. Insert the Max. 60Watt / 230V~ 50Hz incandescent Bulb into the Lamp-holder (E27)
9. Re-screw Transparent Plate.
10. Re-fit the Lampshade by hand.
11. After finish the mounting, you can adjust the detection area and working state of PIR Sensor.

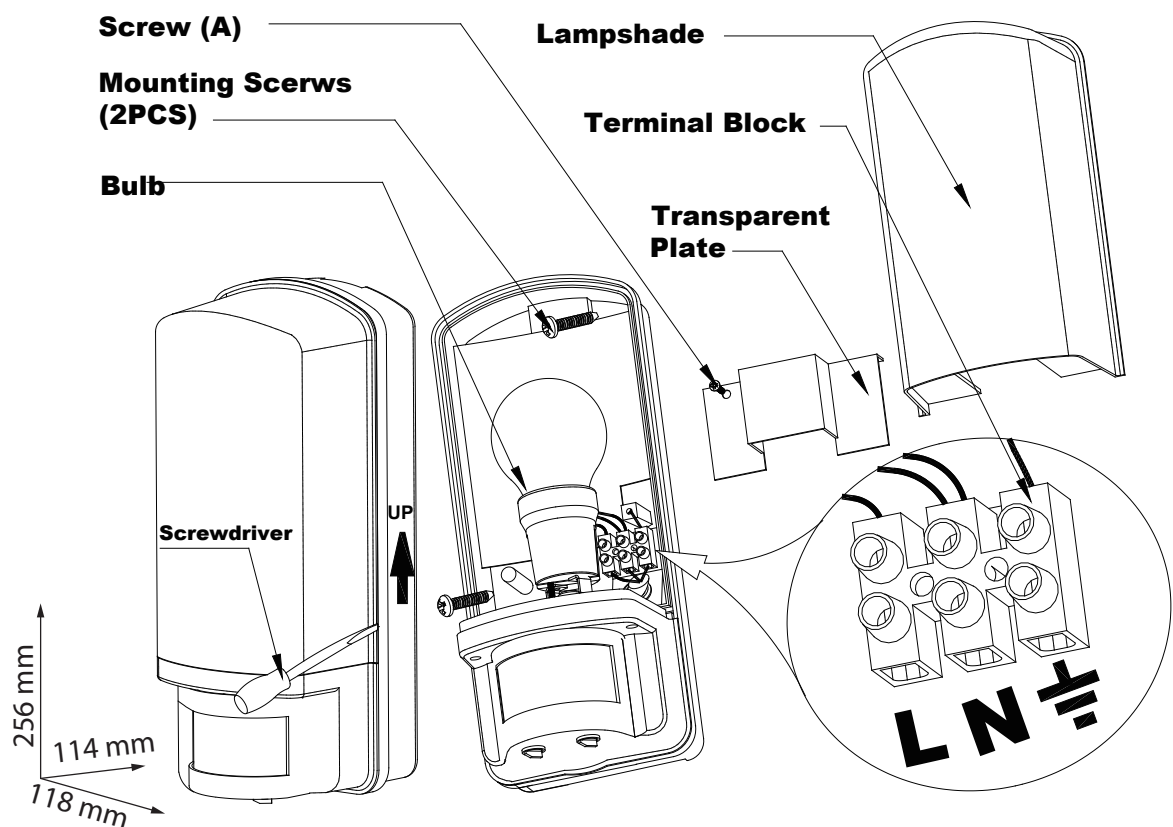


Fig. 2 Mounting and Wiring to Treminal



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NOTES FOR ELECTRICIAN-- Installation by a licensed electrician

- 1) The Bulkhead Light should be wired to its own lamp switch. Do not interconnect with other lights on the same switch.
- 2) Do not connect to Dimmer.

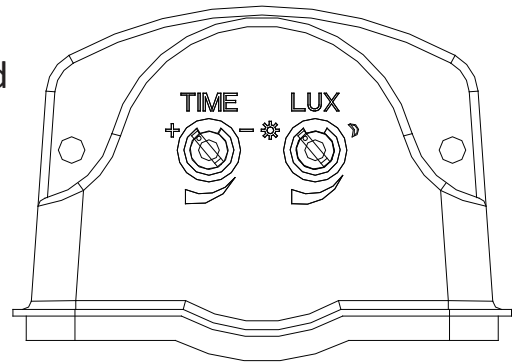


Fig.3 Control Knob

UNDERSTANDING THE CONTROLS

ADJUSTING THE DURATION TIME: The length of time that remains switched on after activation can be adjusted from (10±5) seconds to (4±1) minutes. Rotating the TIME knob from (+) to (-) will reduce the duration time.

Note: Once the light has been triggered by the PIR sensor any subsequent detection will start the timed period again from the beginning.

ADJUSTING THE LUX CONTROL LEVEL: The Lux control module has a built-in sensing device (photocell) that detects daylight and darkness. The (*) position denotes that the bulkhead light can work at day and night, and the (☾) position only work at night. You can set to operate the unit at the desired level by adjusting the LUX knob.

SETTING THE CONTROLS

1. Put the Lux control knob to light (*) position, turn the wall switch on and wait half a minute for the control circuit to stabilize. At this stage ensure that the TIME control knob is set at minimum duration time (-) position. The bulkhead light will now switch on and remain on for about 30 seconds (within 60 seconds).
2. Direct the sensor toward the desired area to be scanned.
3. Carry out the WALKING-TEST to know the detection area. (refer Fig. 1B).
4. Adjust time control to required setting.
5. To set the lux level at which the lamp will automatically switch “on” at night, please turn the LUX control knob from daylight to night. If the lamp is required to switch on earlier, e. g. Dusk, wait for the desired environment light level, then slowly turn the LUX control knob towards the daylight (*) while someone walks across the center of the area to be detected. When the lamp switches on, release the LUX control knob. You may need to make further adjustments to achieve your ideal light level setting.

Important: 1) To avoid dust build-up and ensure proper functioning of the global lamp, wipe the sensor lens lightly with a damp cloth every 3 months. But never modify the unit, there are no any user



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serviceable parts inside. 2) Before touching the lamp or replacement of the bulb, please switch off first and then let it cool 3) Any replacement of bulb, please Switch power off.

TECHNICAL DETAILS:

Voltage: 230 V~ 50 Hz

Wattage: Max. 60 Watt for incandescent

Detection range: Approx.110° (horizontal), Max. 10 meters adjustable

Duration time: from (10±5) seconds to (4±1) minutes adjustable

LUX control level: from daylight to night adjustable

Weatherproof: IP44

Class I protection

Rubber Power Cord must be used for outdoor light, such as H05RR-F 3G 0.5mm².

Trouble shooting and user hints

PROBLEM	POSSIBLE CAUSE	SUGGESTED REMEDY
Lamp does not switch on when there is movement in the detection area.	1. no mains voltage	Check all connections, and Fuses/switches
	2. near by lighting is too bright.	Relocate the unit
	3. controls set incorrectly	Readjust control knob
	4. sensor positioned in wrong direction	Relocate the unit
Lamp switches on for no apparent reason (false trigger)	1. heat sources such as air-con, Vents, heater flues, barbecues, other outside lighting, moving cars are activating sensor.	Away from heat sources.
	2. animals/birds e.g. possums or domestic animals.	Away from the area which animals often pass through .
	3. interference from on/off switching of electric fans or lights on the same circuit as your security floodlight. (this problem does not always occur but a faulty switch or noisy fluorescent light may cause the security floodlight to switch on.)	Should the false triggering become, troublesome, consider: a) replacing a faulty switch. b) Replacing noisy fluorescent Tubes and/or starters. c) connecting the global lamp to a separate circuit(in most cases where one or more of the above suggestions have been carried out, false triggering has been reduced.)
	4. reflection from swimming pool, or reflective surface.	Relocate the unit .
Light remains on.	1. continuously false triggered	See above mentioned
	2. time is set too long.	Reduce time
Light switches on during daylight hours.	LUX control knob is set to daylight position.	Turn the LUX control knob to desired light level setting.
When setting controls in daylight the detection distance becomes shorter.	1.interference by sunlight	Re-test at night.