DOMUS®

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Installation Manual

MURO-15S

Order Code	Product Code	Description
25016	MURO-15S-B-W	15W Spotlight with sensor, Black Die Cast Aluminium. White 5000K
25017	MURO-15S-S-W	15W Spotlight with sensor, Silver Die Cast Aluminium. White 5000K
25018	MURO-15S-W-W	15W Spotlight with sensor, White Die Cast Aluminium. White 5000K

Thank you for purchasing your new LED MURO-15S, Please take the time to read and understand the instruction sheet below. Failure to do so may void warranty.

Specifications

Voltage:	240V AC	Lumen (±5%):	1000lm	Dimmable:	No
Power:	15W	Beam Angle:	115°	CRI:	≥80
IP Rating:	44	CCT:	5000K	Lifespan:	40,000hrs

Introduction

The LED Light incorporates a PIR (Passive Infra Red) sensing device which continuously scans a preset operating zone and immediately switches the light on when it detects movement in that area.
This means that whenever movement is detected within the range of the sensor the light will switch on automatically to illuminate pathways, steps, patios, porches, or whatever area you have selected to light for reasons of safety, convenience.
While there is movement within range of the unit the light will remain on.

While to fit your LED lamp

To achieve best results, we suggest you take into account the following points:
• Ideally the LED lamp should be mounted 1.8 to 2.5 meters (6 to 8ft) above the ground to be scanned
• 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 LED lamp scanning specifications (approximately 12 meters at 180°) 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 LED lamp you should note that movement across the scan area is more effective than movement directly toward or away from the sensor. If movement is made walking directly towards or away from the sensor and not across, the apparent detection range will be substantially reduced.
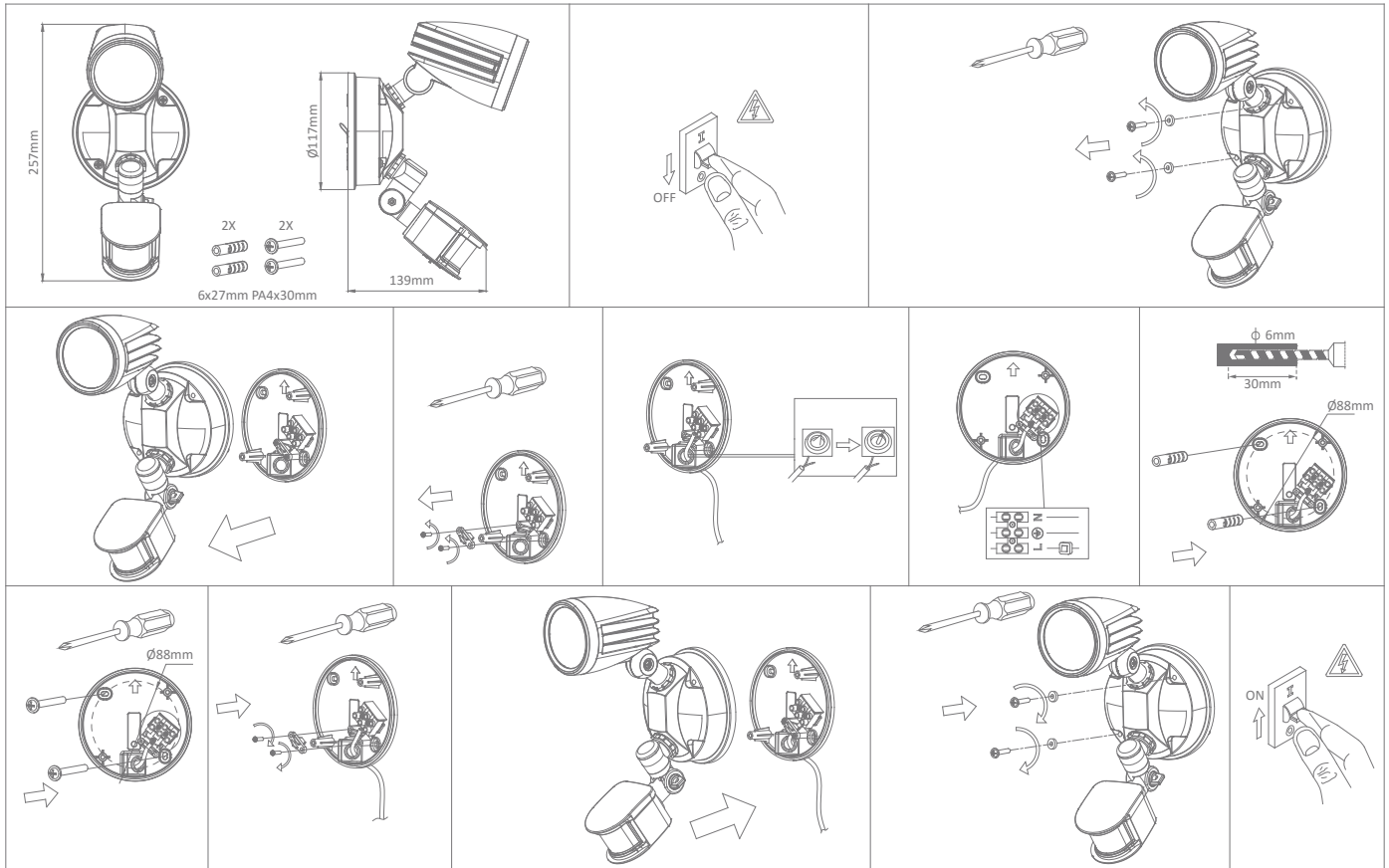
Installation

• Switch power off at the meter box and ensure that there is no power to the lamp.
• Unscrew the screws on the main body, remove the backcover.
• Remove the Cable Anchorage and connect the cable to the Terminal Block.
• Use the back cover to mark the position of screw holes onto mounting surface. Drill the wall to depth of about 3cm and fit the wall plugs (supplied), then fix the support to the mounting surface with the screws. Care should be taken to avoid drilling or screwing into concealed electrical wiring.
• Re-place the Cable Anchorage.
• Fit main body onto the backcover. Adjust the light direction desired and tighten the screws.
• Switch the main power back on.

Note: -The lamp must be installed by professional electrician
-Ensure the power supply is switched off before fitting this product
-Do not touch the lamp when in use
-Keep away from hot steam and corrosive gas

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1. Refit the Cable Anchorage
2. Fit main body onto the Backcover. Adjusting the light direction you desired, then tighten the screws.
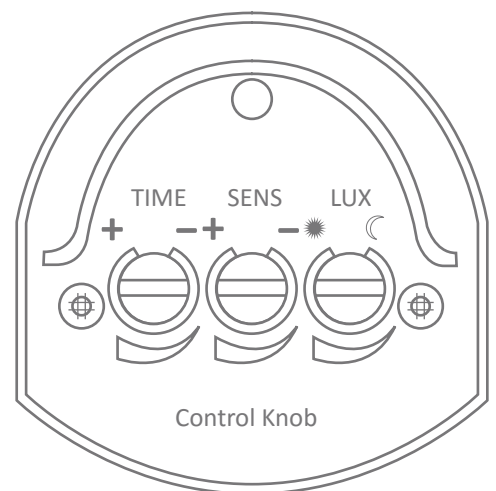3. Switch the main power on.

Notes for electrician
• The LED lamp should be wired to its own light switch.
• Do not interconnect with other lights on the same switch.
• Earth connection must be required.
• Multiple Muro Fittings cannot be wired to a single switching point.

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 + 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.

TIME   SENS   LUX

Control Knob

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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 Spotlight 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.

Adjusting the sensitivity: The sensitivity means the Maximum distance which PIR Sensor can be triggered by movement body. Turning the SENS knob + to - will decrease the sensitivity.

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. The LED lamp 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 by adjusting the elbow joint and swivel joint on the sensor arm. ***Have another person move across the center of the area to be scanned and slowly adjust the angle of the sensor arm until the unit sensors the presence of the moving person, causing the light to switch on.***
3. Adjust time control to required setting.
4. To set the light level at which the lights will automatically switch "on" at night, turn the LUX control knob from daylight to night. If the lamps are required to switch on earlier, e. g. Dusk, wait for the desired light level, then slowly turn the LUX control knob towards daylight while someone walks across the center of the area to be detected. When the Spotlights switch on, release the LUX control knob. You may need to make further adjustments to achieve your ideal light level setting.

How to change into MANUAL OVERRIDE CONTROL MODE

1. When power is on, the PIR detector enters into the "WARM-UP" periods for about 1 minute, then automatically changes into AUTO MODE.
2. During AUTO MODE, by switching the ON/OFF main switch twice within 3 seconds and then switching it on again, the PIR detector will automatically change into MANUAL MODE from AUTO MODE. In MANUAL MODE, the Lamp(s) will remain ON, not affected by duration time and Lux control level.
3. During MANUAL MODE or AUTO MODE, by switching off the ON/OFF main switch for over 6 seconds and then on again, the PIR detector will reset to WARM-UP periods. Please note: the periods of "WARM-UP" maybe shorter than 1 minute.

POWER ON ——→ AUTO MODE
①
③ ②
MANUAL MODE

Specifications

Detection range: Max. 12 metres at 180°scan
Duration Time adjustment: (10±5) seconds to (4±1) minutes.
Detection circuitry: Passive Infra-Red (PIR)
Power required: 240V AC, 50HZ
Maximum load: 1x15Watt LED.
Weatherproof: IP44

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Trouble Shooting and user hints		
Problem	**Cause**	**Solution**
Light does not switch on when there is movement in the detection area.	1. no mains voltage	Check all connections, and Fuses/ switches
	2. Bulb faulty or missing.	Check. Replace
	3. Nearby lighting is too bright.	Redirect sensor or relocate the unit
	4. controls set incorrectly	Readjust sensor angle or control knob
	5. sensor positioned in wrong direction	Redirect sensor and/or adjust
Lamp switches on for no apparent reason (false trigger)	1. Heat from bulb(s) activating sensor.	Adjust lamp holders to allow a Minimum gap of 40mm between G9 bulb and sensor head.
	2. Heat sources such as air-con, Vents, heater flues, barbecues, other outside lighting, moving cars are activating sensor.	Adjust direction of sensor head, Away from these sources.
	3. animals/birds e.g. possums or domestic animals.	Redirecting sensor head may help.
	4. Interference from on/off switching of electric fans or lights on the same circuit as your LED Spotlight. (This problem does not always occur but a faulty switch or noisy fluorescent light may cause the LED lamp 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 LED 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.)
	5. Reflection from swimming pool, or reflective surface.	Redirect sensor.
Light remains on.	1.continuously false triggered	Redirecting sensor head may help
	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.	interference by sunlight	Re-test at night.
Note: all passive infra-red detectors are more sensitive in cold and dry weather than warm and wet weather		