



Twin LED Sensor Light

Cat. LFS013KBL

Instruction Manual

Introduction

This security floodlight incorporates an automatic PIR sensor with 2 LED PAR38 globes. The sensor continuously scans a preset operating zone and immediately switches the floodlight on when it detects movement from people and animals. It can be used to illuminate pathways, steps, patios, porches or other areas that require lighting for reasons of safety, convenience or security. Whilst there is movement within the scanning area the floodlight will remain on.

Where to fit your security light

Before selecting a place to install your Sensor Light 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. 1A). Always mount the LFS013KBL sensor light in a sheltered position, i.e. under the eaves of the house.

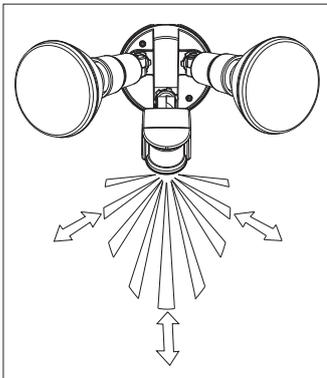


Fig 1A Lowest Sensitivity

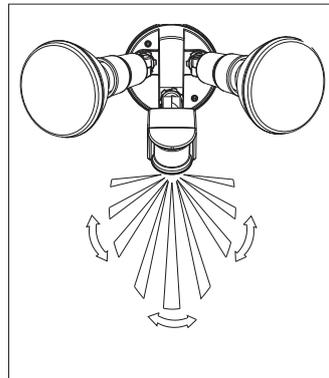


Fig 1B Highest Sensitivity

Installation:

For installation of the Security Light, please refer to Fig.2.

1. This product must be installed by a licensed electrician according to AS/NZS 3000.
2. Switch power off at the meter box to isolate circuit.
3. Unscrew the **Fixing Cover Screws** then remove the cover and **Cable Gasket**.
4. Remove the **Cable Anchorage and Terminal Block**.
5. Use the plastic back plate to mark the position of screw holes onto mounting surface. Drill the wall to depth of about 4cm and fit the wall plugs (supplied). Avoid drilling or screwing into concealed electrical wiring.
6. Ensure the cable passes through the **Cable Gasket** and connect cable to **Terminal Block**.

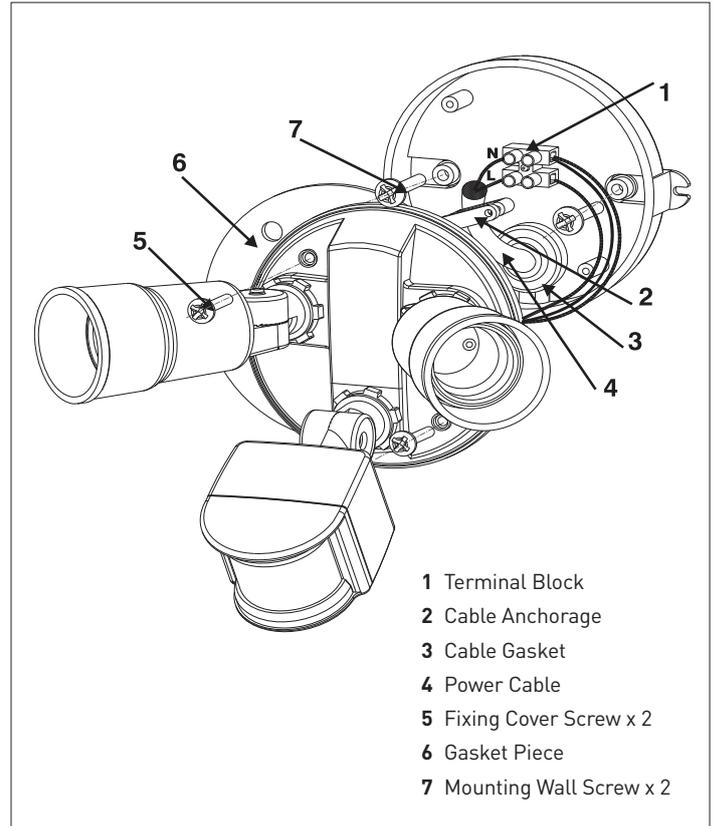
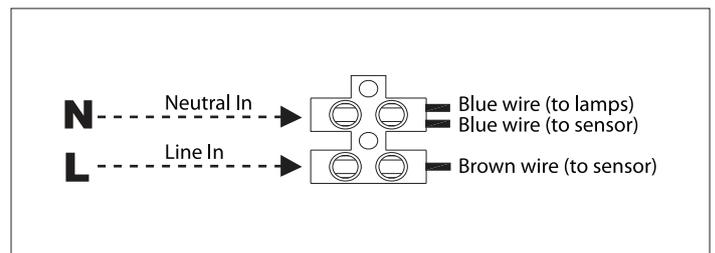


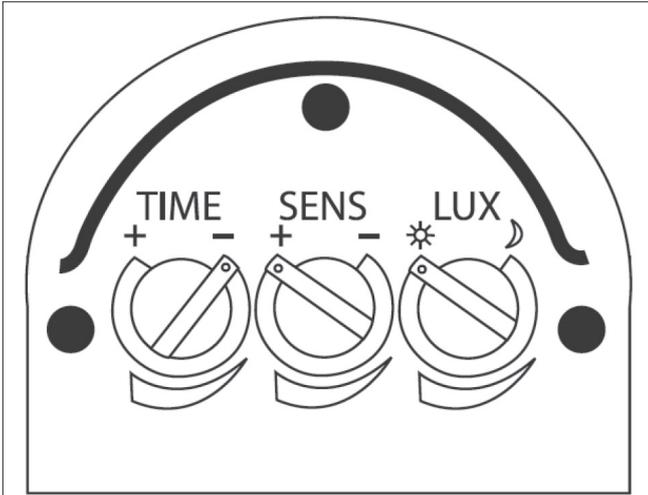
Fig 2



7. Affix the back plate to the mounting surface with **Mounting Wall Screws** (supplied).
8. Re-fit the **Terminal Block** and **Cable Anchorage**.
9. Re-fit the cover.
10. Insert the PAR38 LED Globes (supplied). Please ensure the sealing rubber (supplied), is placed on the lamp holder prior to installation of PAR38 LED Globes.

Important: loosen all lock nuts and screws on sensor and lamp holders before making any adjustments.
DO NOT MEGGER TEST.

EASY SETUP GUIDE



Dial settings show
TEST MODE

With sensor fully installed by electrician and power on:

1. Rotate "TIME" dial anti-clockwise to minimum(-)
2. Rotate "SENS" dial clockwise to maximum(+)
3. Rotate "LUX" dial clockwise to daylight (SUN)
4. Wait for sensor to turn off (30 seconds to 1 minute)
5. Move around (walk past or wave hands and arms) and the sensor should turn on the lamps if you are close enough
6. You can adjust the sensor head direction and lamp directions until you achieve the desired setup
7. Once tested and satisfied the time dial can be turned anti-clockwise to the desired time duration
8. For "LUX" setup, adjust the "LUX" dial anti-clockwise to minimum (moon), and wait until light conditions outside are at the level you wish the sensor to operate. (For instance dusk)
9. Adjust the "LUX" dial clockwise until the lamps turn on.

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 anticlockwise from (+) to (-) reduces 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. Rotate the LUX knob anticlockwise from light (☀) to dark (🌙). The (☀) position will allow the floodlight to work day and night, and the (🌙) position works only at night. You can set the unit to operate at the desired level by adjusting the LUX knob.

Setting the controls:

1. Turn the LUX control knob to light (☀) position, turn the wall switch on and wait 30 seconds for the control circuit to stabilise. Ensure the TIME control knob is set at minimum (-). The floodlights on the sensor light will now switch on and will remain on for about 10sec.
2. Direct the sensor toward the desired scanning area by adjusting the elbow joint and swivel joint on the sensor arm. Important: loosen all lock nuts and screws on sensor arm and lamp holders before making any adjustments.
3. Have someone move across the centre of the area to be scanned and slowly adjust the angle of the sensor arm until the unit senses the moving person, causing the floodlights to switch on. (Refer Fig.1 B)
4. Adjust time control to required setting.
5. To set the light level at which the floodlights will automatically switch "On", turn the LUX control knob from daylight to night. If the floodlights 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 centre of the area to be detected. When the floodlights switch on, release the LUX knob. You may need to make further adjustments to achieve your ideal light level setting.

Important: when adjusting lamp holders, ensure that the PAR38 LED Globes are not touching or in close proximity to sensor head, heat from the PAR38 LED Globes may distort the unit. To avoid dust build-up and ensure proper functioning of the sensor light, wipe the sensor lens lightly with a damp cloth every 3 months. Never modify the unit, there are no user serviceable parts inside.

Specifications:

Voltage supply: 230-240Va.c. 50Hz
Power consumption: 29W
Total lumen output: 2200lm (1100lm per globe)
Maximum load: 2 x 150W PAR38
Weatherproof: IP44
Operating temperature: -10°C to 50°C
Detection circuitry: PIR (Passive Infrared)
Detection range: 12M (max), 120° scan.
Time adjustment: 10±5 seconds to 4±1 minutes.
Adjustable LUX
Replacement LED globe: LPAR38013K (non-dimmable)

PROBLEM	POSSIBLE CAUSE	SUGGESTED REMEDY
Light does not switch on when there is movement in the detection area.	1. No mains voltage.	Check all connections, and fuses/switches.
	2. Globes 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.
Light switches on for no apparent reason. (False triggering)	1. Heat from LED Globe activating sensor.	Adjust lamp holders to allow a minimum gap of 40mm between PAR38 LED Globe 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 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 or starters. (c) Connecting the security floodlight 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. From swimming pool reflection or reflective surface.	Redirect sensor.
	6. Unit is more sensitive during colder months. Unit is sensing moving trees, etc.	Turn sensitivity dial anti clockwise to reduce sensitivity.
Light remains on.	1. Continuously false triggered.	Redirecting sensor head may help.
	2. Time is set too long.	Reduce time.
	3. Unit is more sensitive during colder months. Unit is sensing moving trees, etc.	Turn sensitivity dial anti clockwise to reduce sensitivity.
Light switches on during daylight.	1. LUX control knob is set to daylight position.	Turn the LUX control knob to desired light setting.
When setting controls in daylight the detection distance becomes shorter.	1. Interference by sunlight.	Re-test at night.

Disclaimers

1. This product must be installed and used as per these instructions.
2. An IP rating of IP44 is generally considered suitable for external walls with supplementary protection such as overhanging eaves.
3. The IP rating of this product is only valid when installed on a flat and non-porous surfaces. Additional sealing may be required for irregular surfaces.
4. The fixing screws on this product should be tightened to a maximum torque of 0.8Nm. Over tightening may damage the product.
5. This product contains no serviceable parts and no attempt should be made to repair this product. If the product is faulty it should be discarded.
6. This product is not suitable for installation in hazardous and/or corrosive areas.
7. Electrical installations periodically receive transient over voltages. This product has been designed to minimise the effect of such voltages on connected equipment. It may not give full protection for extreme over- voltage transients such as those resulting from a close lighting strike.
8. This product utilises intellectual property in the form of registered designs, trademarks, and/or patents. Such intellectual property remains the property of HPM Legrand in all cases.
9. HPM Legrand reserves the right to modify the specification of this product at any time.

Warranty

HPM Legrand will honour all statutory guarantees that you as a consumer are entitled to rely upon under the Australian and New Zealand Consumer Laws against a manufacturer, including a guarantee that this product is of acceptable quality.

To make a claim under any statutory guarantee you should first contact the supplier, or retailer from whom you purchased this product.

Customer Service

For all Customer Service and Technical Support please call Monday to Friday during business hours.

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