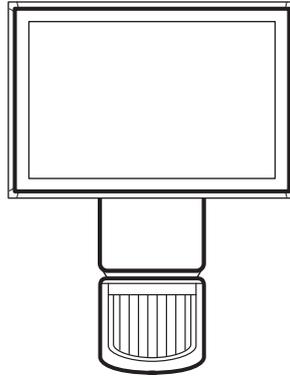




Toran LED Floodlight with Sensor

Cat. No. LFS0316WBL

Instruction Manual



This product must be installed by a licensed electrician.

Introduction

This floodlight incorporates an automatic passive infrared (PIR) sensor. 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.

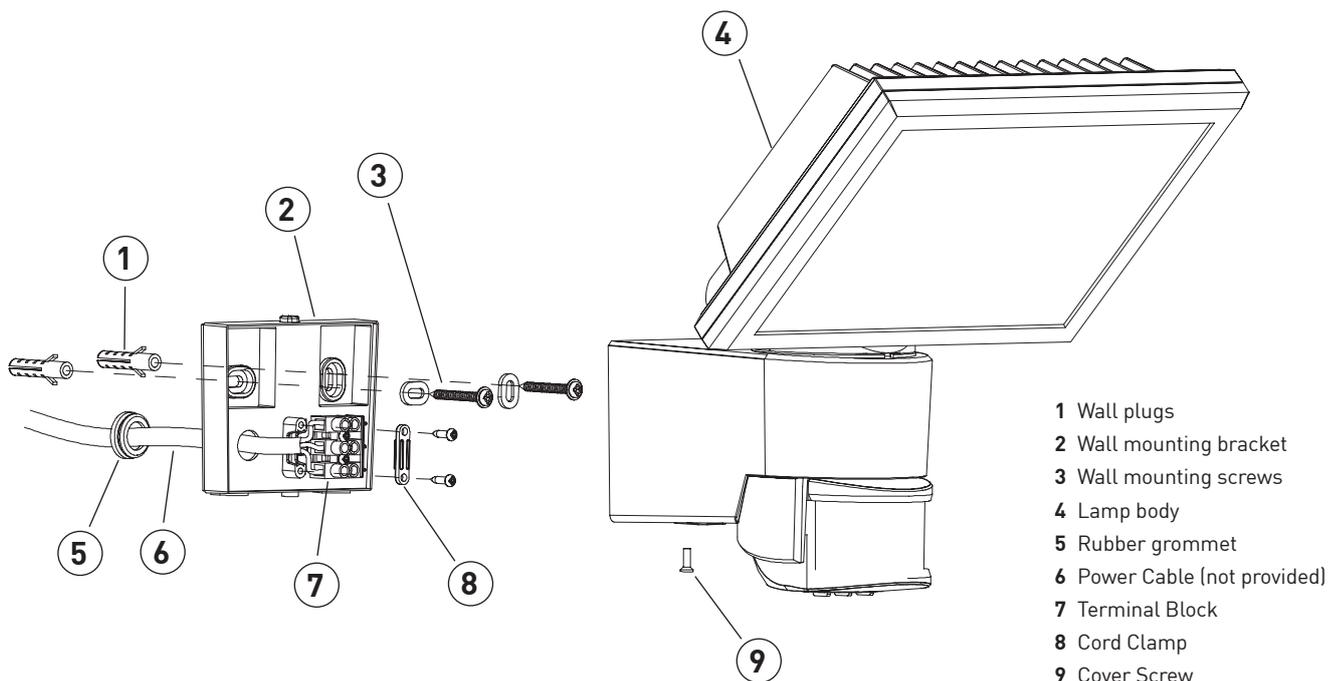
Where to fit your floodlight

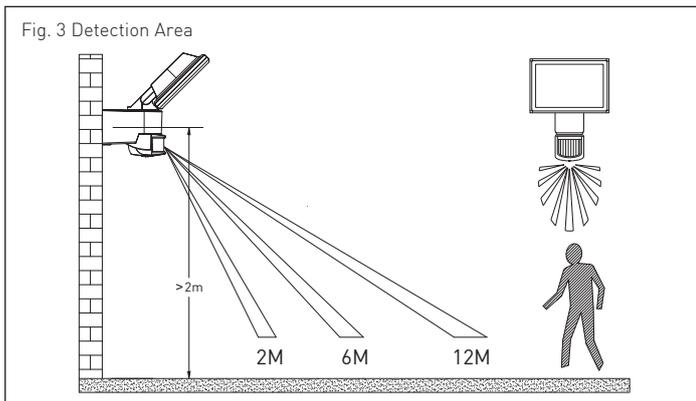
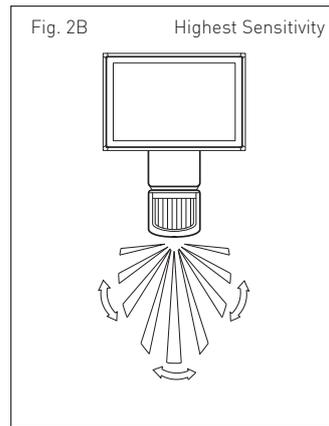
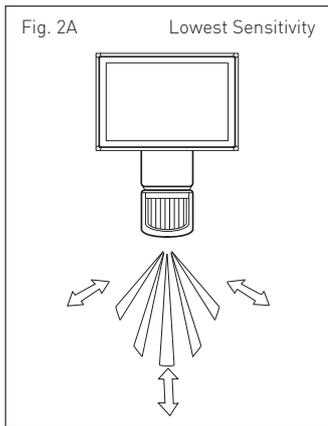
Before selecting a place to install your floodlight you should note that movement across the scan area is more effective than movement directly toward or away from the sensor (refer FIG. 2B). If movement is made walking directly towards or away from the sensor and not across, the apparent detection range will be substantially reduced (refer FIG. 2A). Always mount the floodlight in a sheltered position, i.e. under the eaves of the house.

Do not operate in close proximity to combustible materials or substances affected by heating or drying. Keep a minimum distance of 0.5m from adjacent objects.

Ideally the floodlight should be mounted more than 2m above the area to be scanned (refer to Fig. 3).

Fig. 1





Installation

Installing a wall switch adjacent to the power source is recommended.

1. Remove wall mounting bracket from the fitting as shown in Fig. 4. Use the bracket to mark mounting position on the wall.
2. Choose rubber-sheathed 3-core circular cord, H05RN-F 3G 1mm² (not supplied) for the mains wiring.
3. Strip insulation from cord and insert in to wall mounting bracket through the rubber grommet.
4. Mount the bracket on the wall as shown in Fig. 5. Ensure the method of fixing can support up to a 10kg weight.
5. Remove cord clamp and wire up as shown in Fig. 6.
6. Replace cord clamp. Ensure it clamps onto cord sheath.
7. Reattach fitting to the bracket as shown in Fig. 7 & Fig. 8.
8. Orient the lamp & movement sensor to the desired positions.
9. DO NOT MEGGER TEST.

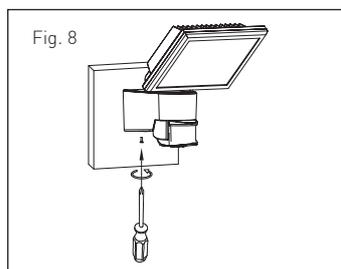
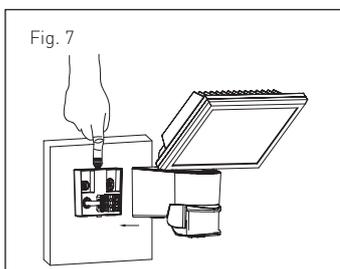
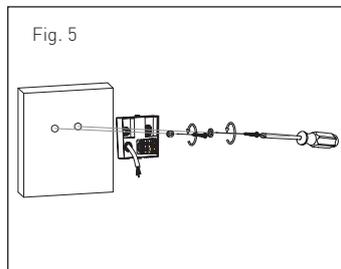
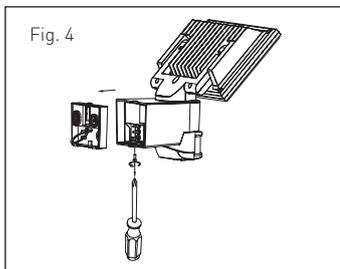
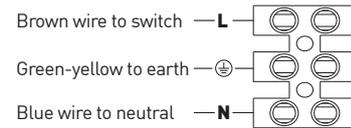
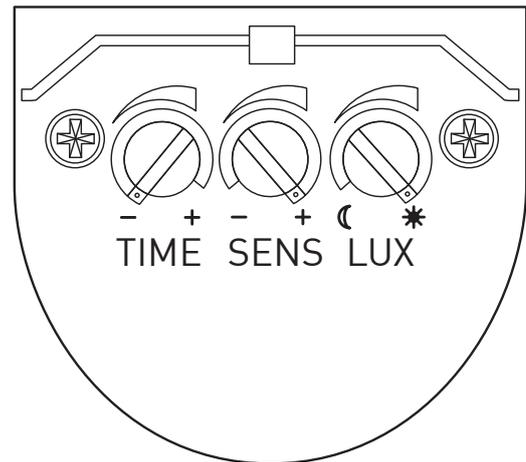


Fig. 6



Setting the controls

Fig. 9



Dial settings show
TEST MODE

With floodlight fully installed by electrician and power on

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 lamp on the sensor light will now switch on and will remain on for about 1 minute.
2. Direct the sensor toward the desired scanning area.
3. Have someone move across the centre of the area to be scanned and slowly adjust the angle of the sensor until the unit senses the moving person, causing the lamp to switch on. (Refer Fig. 2B).
4. Adjust time control to required setting.
5. To set the light level at which the lamp will automatically switch "On", 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 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 lamp switches on, release the LUX knob. You may need to make further adjustments to achieve your ideal light level setting.

Important: 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.

Understanding the controls

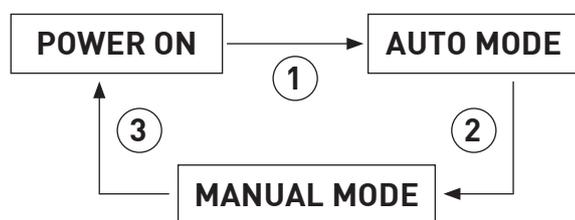
Adjusting the duration time

The length of time that the unit 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.

How to change into manual control mode



1. When power is first switched on, the PIR detector enters into the WARM-UP period for about 1 minute, then automatically changes into AUTO MODE.
2. During AUTO MODE, by switching the ON/OFF main switch off & on twice in about 3 seconds, the PIR detector will automatically change into MANUAL MODE. In MANUAL MODE, the flood light will remain ON for 8 hours. It will not be affected by duration time and Lux control level. After 8 hours, the PIR detector will change back to AUTO MODE.
3. During MANUAL MODE, by switching the ON/OFF main switch off & on twice in about 3 seconds, the PIR detector will automatically change into AUTO MODE.
4. During AUTO MODE or MANUAL MODE, by switching off the ON/OFF main switch over 10 seconds and then on again, the PIR detector will reset to WARM-UP period.

Specifications

Cat no.	LFS0316WBL
Supply Voltage	230-240V a.c. 50Hz
Input Power	20W
Power Output	16W
Lumens Output	1700lm
Colour Temperature	Cool white 4000K Nominal
Mounting Height	> 2m (recommended)
Protection Class	Class 1
IP Rating	IP44
Size	240 x 188 x 180 mm
Weight (excl packaging)	0.93kg
Power Cord	H05RN-F 3G 1mm ²
PIR Sensor	
Standby Power	< 1.0W
Detection	12m (max); 180° scan
Time	10 ±5 sec to 4 ±1 min
Switching	Auto mode/Manual Override

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. Nearby lighting is too bright.	Redirect sensor or relocate the unit.
	3. Controls set incorrectly.	Readjust sensor angle or control knob.
	4. Sensor positioned in wrong direction.	Redirect sensor and/or adjust.
Light switches on for no apparent reason. (False triggering)	1. 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.
	2. Animals/birds e.g. possums or domestic animals.	Redirecting sensor head may help.
	3. Interference from on/off switching of electric fans or lights on the same circuit as your floodlight. (This problem does not always occur but a faulty switch or noisy fluorescent light may cause the floodlight to switch on).	Should the false trigger become troublesome, consider: (a) Replacing a faulty switch. (b) Replacing noisy fluorescent tubes or starters. (c) Connecting the 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).
	4. From swimming pool reflection 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.
	3. Floodlight is in MANUAL MODE.	Change to AUTO MODE.
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 surface. 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 lightning 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.
10. This product has been designed to operate in ambient temperatures: -10°C to 45°C.
11. The material in this product may vary in colour from batch to batch. Colour matching from one batch to another cannot be guaranteed.

Warranty

HPM Legrand warrants this product for a period of 3 years from the date of purchase.

These goods come with guarantees that cannot be excluded under the Australian and New Zealand Consumer Laws. You are entitled to a replacement or a refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired if the goods fail to be acceptable quality and the failure does not amount to a major failure.

See the Warranty card enclosed with this product for further details.

Customer Service

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

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