

Cleaning:

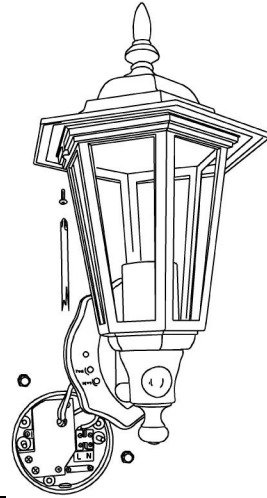
- > Clean this light fitting only with a soft dry cloth
- > Do not use any chemical or abrasive cleaners.

Lamp replacement:

- > Switch off the electricity at the mains.
- > Undo the screws at the top of the fitting and lift off the lid.
- > Remove and replace lamp.
- > Replace the lid and tighten the two screws.

Replacement lamp type:

Wattage: 60 W
Type: ES GLS
Note: Do not fit reflector lamps
(spotlight or crown reflector)



Eventually, you may want to replace this light fitting:

When your light fitting comes to the end of its life or you choose to update or upgrade it by replacing it, please do not dispose of it with your normal household waste, please recycle where facilities exist. When you need to dispose of this fitting, check with your retailer or local authority for suitable options. New regulations require the recycling of Waste from Electrical and Electronic Equipment (European "WEEE Directive" effective August 2005—UK WEEE Regulations effective 2nd January 2007).



If you experience problems:

If your light is defective or develops a fault, please return it to the place where you bought it. You can call our Helpline for advice. The Helpline will gladly give advice on any aspect of any Eterna Lighting product but may not be able to give specific instructions regarding individual installations.
If in doubt, consult a qualified electrician.

Help line:

Tel: 01933 673 144 Fax: 01933 678 083 Email: sales@eterna-lighting.co.uk
For answers to frequently asked questions (FAQs) and other information visit our web-site
www.eterna-lighting.co.uk



IMPORTANT!

Safety and Installation instructions

60W PIR Lantern

Model(s)
PIRL60BK, PIRL60WH

Pack contents:

Lantern fitting with PIR detector	1
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**PLEASE READ THESE INSTRUCTIONS BEFORE
INSTALLING YOUR NEW FITTING**

PLEASE RETAIN FOR FUTURE REFERENCE

Read this first:

- > This light fitting must be installed in accordance with the Building Regulations. These may be obtained from HMSO or viewed and downloaded from www.communities.gov.uk following the link for Building Regulations.
 - > If in any doubt, consult a qualified electrician.
 - > Switch off the mains before commencing installation and remove the appropriate circuit fuse.
 - > Disconnect from the electrical supply before flash or high voltage testing.
 - > Suitable for outdoor use.
 - > This product is suitable for installation on surfaces with normal flammability (indicated by the "F" in a triangle) e.g. wood, plasterboard, masonry. It is not suitable for use on highly flammable surfaces (e.g. polystyrene, textiles).
 - > Before making fixing hole(s), check that there are no obstructions hidden beneath the mounting surface such as pipes or cables.
 - > The chosen location of your new fitting should allow for the product to be securely mounted and safely connected to the mains supply (lighting circuit).
 - > If the location of your new fitting requires the provision of a new electrical supply, the supply must conform with the requirements of the Building Regulations.
 - > This product is designed for permanent connection to fixed wiring: this should be either a suitable lighting circuit (protected with a 5 or 6 Amp MCB or fuse) or a fused spur (with a 3 Amp fuse) via a fused connection unit. We recommend that the supply incorporates a switch for ease of operation.
 - > Make connections to the electrical supply in accordance with the following code:
 - Live - Brown or Red
 - Neutral - Blue or Black
 - > This fitting is double insulated, do not connect any part to earth.
 - > You are advised at every stage of your installation to double-check any electrical connections you have made. After you have completed your installation there are electrical tests that should be carried out: these tests are specified in the Wiring Regulations (BS7671) referred to in the Building Regulations. If in doubt, consult a qualified electrician.
 - > This fitting 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. While there is movement within range of the unit the light will remain on.
- To achieve best results, we suggest you take the following points into account:
- > For maximum detection area, the fitting should be mounted 1.8 to 2.5 meters (6 to 8ft) above the area to be scanned (refer to Fig.1A).
 - > 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.
 - > Do not connect to a circuit which also has inductive loads connected as spikes generated switching inductive loads may damage electronic components within your PIR detector.
 - > To avoid nuisance triggering, install away from sources of strong electromagnetic disturbance e.g. domestic appliances.
 - > Do not aim towards reflective surfaces such as smooth white walls, swimming pools, etc...
 - > The Lantern light scanning specifications (approx. 10 meters at 100° - round) 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 lantern 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 to Fig. 1C)

Technical details:

- > Voltage: 230 V - 50 Hz
- > Lamp: E27 incandescent, Max. 60 Watt
- > Detection range: 100° (round) and Max. 10 meters
- > Sensitivity: Adjustable
- > Duration time: 10±5 sec. to 4±1 min. adjustable
- > Weatherproof: IP44
- > Detection circuitry: Passive Infra-Red
- > Power Cable: 0.75mm² flexible Cable

Installation:

- > Assemble the lantern lid as the Fig.2(A)
- > Un-screw the fixing nuts on the front of the fitting, remove the wiring box and terminal block, including the rubber gasket and fixing bolts (at back of wiring box).
- > Use the wiring box to mark the position of fixing holes on the mounting surface.
- > Secure the wiring box using suitable fixings (not supplied).
- > Pierce the rubber grommet and thread the supply cable through. Take care not to make the hole too large.
- > Make electrical connections according to the colour code on page 2, see fig.2(B).
- > Position the lantern on the wiring box and replace the fixing nuts, ensuring the rubber gasket is in position. Do not over-tighten nuts.
- > Fit 60 Watt (maximum) incandescent bulb (E27). Not suitable for low energy compact fluorescent bulbs. Do not fit reflector lamps.
- > Fit the transparent lens into the fitting and re-fit the lid to the Body. Take care not to over-tighten screws.

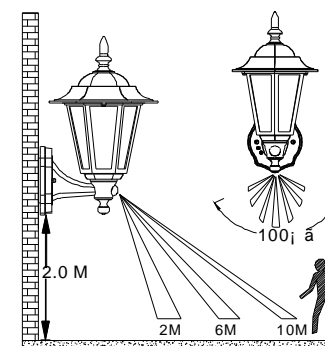


Fig.1(A) Detection Range

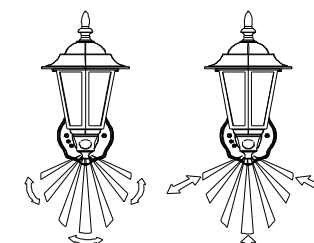


Fig.1(B) OK

Fig.1(C) NOT GOOD

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 anti-clockwise 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 SENSITIVITY: The sensitivity means the Maximum distance from which the PIR Sensor can be triggered. Turning the SENS knob anti-clockwise will decrease the sensitivity.

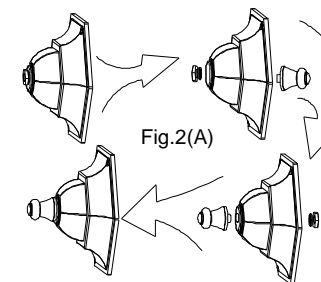
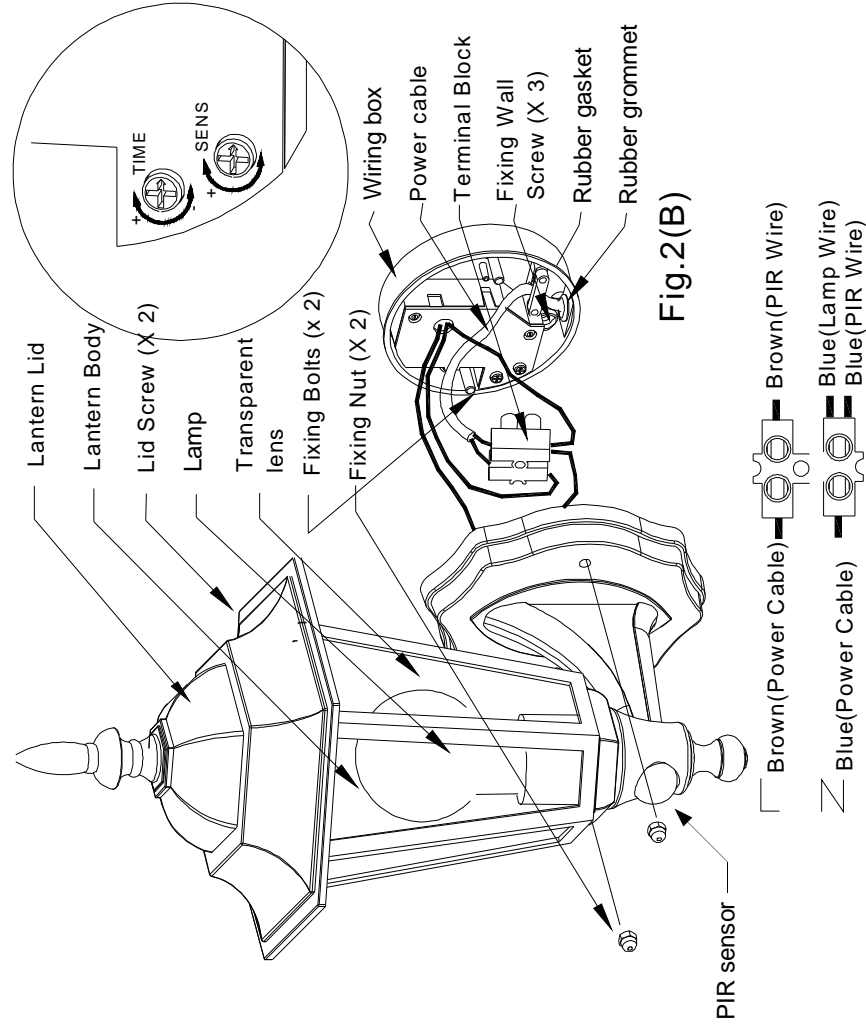


Fig.2(A)

Safety markings:





Trouble shooting and user hints:

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 fitting away from these sources
Light switches on for no apparent reason (false trigger)	1. Heat sources such as air-conditioning, vents, heater flues, barbecues, other outside lighting, moving cars are activating sensor	
	2. Animals (such as domestic animals) or birds.	Relocating the lantern may help.
	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 of a 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 fitting 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 other reflective surface.	Relocate the fitting
Light remains on.	Continuously false triggered	Identify and remove (if possible) the source.
Light switches on during daylight hours	Shadows falling on the PIR sensor.	Relocate the fitting.
When setting controls in daylight, the detection distance becomes shorter.	Interference by sunlight	Test at night or in low light.



Note: all passive infra-red detectors are more sensitive in cold and dry weather than warm wet weather.