

INSTRUCTION MANUAL – PIR GU10 Up/Down LIGHT

GENERAL PRODUCT INFORMATION



Must be earthed



IP54 for use outdoors



Strip back cable as indicated



Connect direct to mains



GU10
Max 2×35w



GU10
LED 2×5w
Preferable

RoHS  



TOOL FOR THE JOB

You will need:

1. Terminal screwdriver
2. Cross-head screwdriver
3. Power drill and bits
4. Insulating tape
5. Pliers/wire cutters

HEALTH AND SAFETY GUIDELINES

For your safety, this product must be installed in accordance with local Building Regulations. If in any doubt, or where required by the law, consult a competent person who is registered with an electrical self-certification scheme. Further information is available online or from your local Authority.

If in any doubt, consult a qualified electrician.

Switch off the mains before commencing installation and remove the appropriate circuit fuse.

Suitable for outdoor use.

This product is suitable for installation on normally flammable surfaces e.g. wood, plasterboard or masonry. It is not suitable for use on or near 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 making reference to the latest edition of the Wiring 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 fuse) via a fused connection unit. We recommend that the supply incorporates a switch for ease of operation.

Mark connections to the electrical supply in accordance with the following code:

Live-Brown or Red
Neutral-Blue or Black
Earth-Green and Yellow

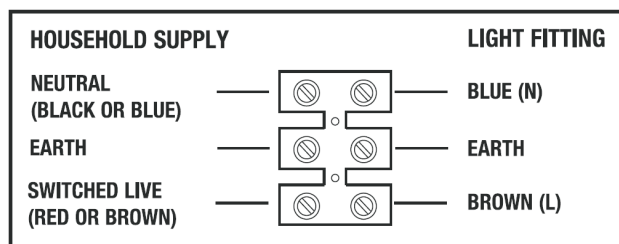
This product must be connected to Earth

You are advised at every stage of your installation to double-check any electrical completed your installation there are electrical tests that should be carried out: these tests are specified in the Wiring Regulations referred to in the Building Regulations.

if in doubt, consult a qualified electrician.

INSTALLATION

1. Choose the location for your new up/down light according to the health and safety guidelines given earlier in this booklet.
2. Undo the two nuts on the front of the fitting and remove the mounting plate.
3. Using the mounting plate as a template, mark the position of the fixing holes.
4. Prepare the holes as appropriate to your mounting surface. If necessary, fit plastic or fibre wall plugs.
5. Pierce the grommet in the mains cable through. Take care not to make the hole too big. A tight fit will keep a water-tight seal around the cable.
6. Secure the mounting plate to the wall using suitable fixings. Take care not to trap the cable.
7. Connect your mains wires to the terminals in the connection box according to the color code on the previous page.
8. Make sure there are no strands protruding from the terminals and that they are tightened securely.
9. Secure the up/down light to the mounting plate using the screws and nuts provided.
10. Unscrew the top and bottom parts of the fitting.
11. Fit lamps according to the type and maximum rating marked on the fitting. We recommend the use of energy saving lamps.
12. Replace the top and bottom of the fitting tightening securely but take care not to damage the waterproof gaskets by over-tightening.
13. Restore the power and switch on.



CARE AND CLEANING

Clean only using a soft dry cloth. Do not use abrasives, solvents or other liquid.

SELECTING THE LOCATION

The motion detector has a number of detection zones at various vertical and horizontal angles as shown (see diagram A)

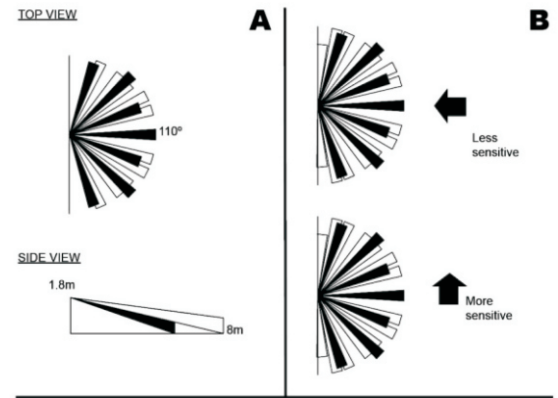
A moving human body needs to cross or enter one of these zones to activate the sensor. The best all-around coverage is achieved with the lantern mounted at a height of 1.8m.

The sensor is more sensitive to movement across the detection area than towards it (see diagram B). You will get best results by pointing the sensor across the most likely approach path.

Do not position the sensor near to any sources of heat such as tumble dryer exhausts, extractor fans etc. These can cause false triggering of your detector.

Do not position the sensor near to any sources of heat such as tumble dryer exhausts, extractor fans etc. These can cause false triggering of your detector. Reflective surface e.g. pools, white painted walls, overhanging branches and conservatories can also cause false triggering.

During extreme weather the sensor may respond erratically, this does not indicate a fault and the unit should return to normal operation once normal weather conditions have returned.



OPERATION AND TESTING

Walk test procedure

Push the cover on top of the PIR lens down to reveal the controls.

Set the controls to following settings:
 TIME-Fully anti-clockwise-to minimum
 SENS-fully clockwise-to maximum
 LUX-fully clockwise- to daylight operation

The lantern will now operate in the daytime as well as at night, illuminating the lamp for approximately 5 seconds each time. This positioning of the lantern and the settings to be optimised.

When you turn on the power, the lamp will immediately illuminate as the unit goes through its 'warm-up' period. After approximately 1-2 minutes, the lamp will extinguish. Try to remain outside of the detection area during the warm-up period.

Walk across the detection area approximately 5m away from the sensor. As you cross a detection zone, the lamp will illuminate. Now stand still until the lamp extinguishes (this should take approximately 5 seconds)

Start moving again, as you cross each zone, the lamp will illuminate. Repeat this step until you have established the detection pattern.

Setting up for automatic operation

When the walk tests are complete, the lantern can be switched to automatic operation:

The TIME setting controls how long the lantern is illuminated following activation and after all motion ceases. The minimum time (fully anti-clockwise) is approximately 5 seconds whilst the maximum time (fully clockwise) is approximately 5 minutes. Set the control to the desired setting between these limits.

The SENS control adjusts the effective range of detection. Reduce the sensitivity to reduce the distance over which movement is detected.

The LUX control determines the ambient light level at which the light will begin to operate. Set as follows:

Turn the LUX control fully clockwise. When the ambient light has fallen to the point when you want your lantern to switch on, rotate the LUX control slowly anti-clockwise until the light switches on. Leave the control in this position.

Observe the behaviour of the light over following evenings and make small adjustments until the desired operation is established.

