

VOX IP65 SOLAR VOLTAIC PIR SENSOR LED OUTDOOR POST

These instructions are provided for your safety.

Please read them carefully before commencing work and retain them for future reference.

This product has an IP rating of IP65 and is suitable for outdoor use when connected as instructed.

SAFETY INFORMATION

- * We recommend this product is installed by a competent person.
- * This product is rated IP65 and is suitable for outdoor use when fitted in accordance with these instructions
- * Before installation and servicing disconnect the electricity supply at the fuse board.
- * To avoid damage to concealed wiring during installation, establish the direction of any wires that might be located under mounting surface before drilling fixing holes.
- * **IMPORTANT: this product does not require any external wiring.**
- * The light source of this luminaire is not replaceable; when the light source reaches the end of its end of life the whole luminaire shall be replaced.

Solar PIR SENSOR, LED LIGHTING HEAD ON THIS FITTING IS NOT ADJUSTABLE, we recommend that it is fixed in an open area that is not shaded by trees.

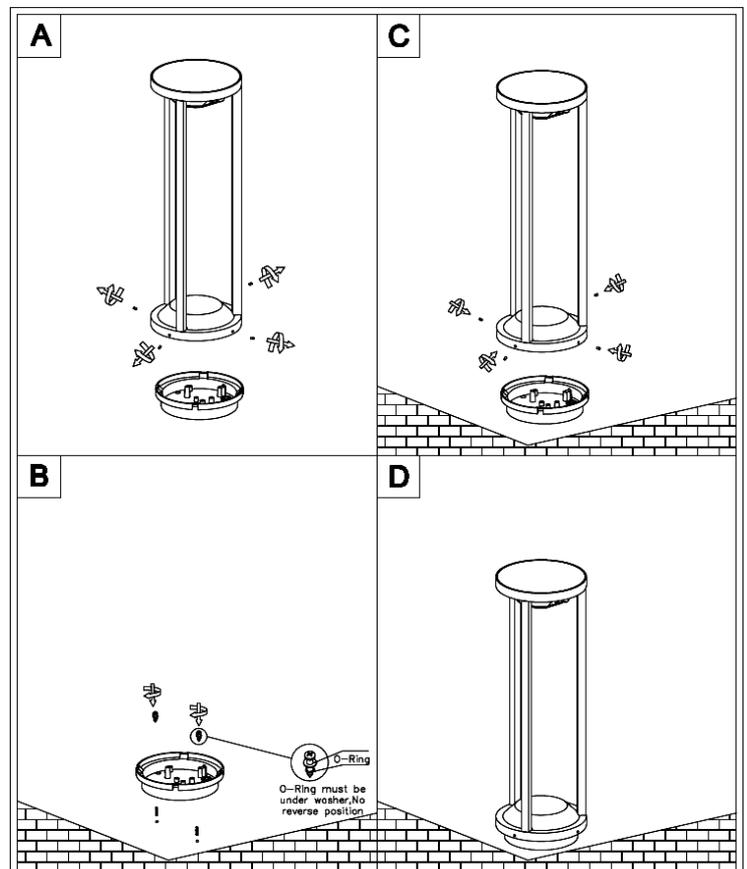
It also important this product is not fitted too close to the wall.

The installation of the post should be as prescribed below.

INSTALLATION

Note: This product has a 3 year guarantee against corrosion. This fitting should only be installed in normal non aggressive atmospheric locations to prevent corrosion. Aggressive environments to be avoided include locations by the sea, polluted atmospheres or near heating flue outlets. The solar voltaic cell and PIR sensor should be cleaned on a regular bases with a soft cloth.

1. Before commencing installation of this product, ensure it is positioned where the solar cell will not be covered and the PIR sensor is pointing to direction
2. Use the hex keys provided to undo the retaining screws located at the base and remove the base plate from main body of product, retain the screws and any washers for later. **A**
3. Using base plate as a template, mark and drill fixing holes. Ensure holes are drilled into a solid floor or other suitable mounting. **B**
4. Attach the base plate onto the floor using suitable fixings whilst making sure the 'O rings' provided are used to prevent moisture ingress, take care not to overtighten screws or damage the 'O rings'. **C**
5. Attach the main body of the fitting over the back plate and make sure rubber seals are correctly situated before securing main body into position. **D**
Take care not to damage cable and ensure care is taken not to over tighten screws or damage 'O ring'.
6. Clean the fitting from dust and finger marks.



GENERAL INFORMATION

This fitting is designed for external use, it must be fitted to a DRY FINISH as any dampness in concrete, wood stain, paint and etc can damage finish. **Do not use polish or abrasive cleaner - just a soft slightly damp cloth**

VOX IP65 SOLAR VOLTAIC PIR SENSOR LED POST USER INFORMATION

Product Specification

Charge Type:	Monocrystalline solar voltaic cell – not replaceable
Battery:	Rechargeable Li-Ion (Lithium Ion battery) - replaceable
Lamp Type:	LED (Light Emitting Diode) - Not replaceable
IP Rating:	IP65
Angel of Detection:	120° approx.
Max Detection Range:	Up to 1.5 metres approx. depending on weather conditions and ambient light level
Ambient Lux Operation:	Night-time operation
Mode of operation:	3 Modes detailed below

Introduction

During the day, the solar panel converts sunlight into electricity and recharges the battery. At night, the light turns on automatically with the electricity it has stored into the battery during that day. The number of hours the light stays on depends on your geographical location, weather conditions and seasonal lighting availability. This solar LED light is ideal for night lighting of garden, lawn, patio, walks, or wherever accent lighting is needed.

This product also has a PIR sensor (Passive Infra-red) feature which switches the LED light on when it senses a movement of a warm object. The sensor detects movement in a fan-shaped arc of appropriately 120° for a distance of up to 2 metres depending on weather conditions (see examples below).

Important: For the PIR to detect as early as possible, the beams should be crossed, not approached head-on; the example below illustrates this.

The product has 3 separate modes of operations detailed as follows:

Mode 1: Depress button for 1 second to turn LED light on, this will illuminate the LED at 10% of its output when the ambient light level is below 20 lux. When the PIR detects movement of a warm object, the lamp will illuminate at 100% brightness for the duration of movement being detected. Once movement ceases the light will drop back to 10% brightness. After 5 hours of operation with the light level below 20 lux, the light will reduce the LED brightness to 5% and at detection of movement, the output will be reduced to 70%. The fitting will turn off once the ambient light level is above 20 lux.

Mode 2: Depress button for 1 second to change to mode 2

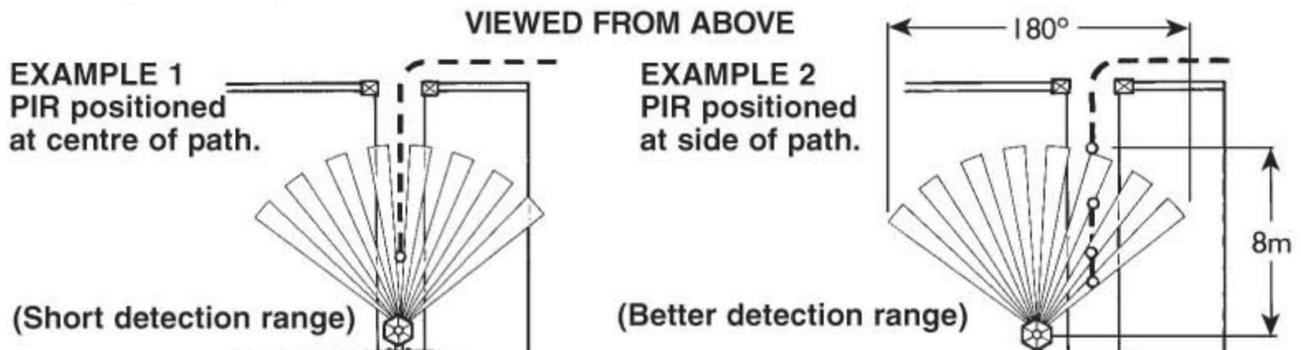
Important note - In mode 2 the PIR sensor is deactivated so the fitting will not react to detection of movement.

The LED will illuminate at 50% of its output when the ambient light level is below 20 lux. After 2 hours of operation this will reduce to 30% and after 5 hours of operation it will reduce to 20%. The fitting will turn off once the ambient light level is above 20 lux.

Mode 3: Depress button for 1 second to change to mode 3. The fitting will not illuminate at all when the ambient light levels drop to 20 lux. The fitting will illuminate at 100% when movement is detected and remain lit for 25 secs after movement ceases. After 5 hours of operation with the ambient level below 20 lux, the output will reduce to 70% on detection of movement and will remain lit for 25 secs after movement ceases. The fitting will turn off once the ambient light level is above 20 lux.

Location

Choose a suitable location for installing the PIR post, that is, away from trees, hot ventilator ducts, street lighting and traffic, which may interfere with its operation.



Troubleshooting

Should you experience any difficulties, check the fault types below.

FAULT	POSSIBLE CAUSE	SOLUTION
Fitting will not work	<ul style="list-style-type: none"> • Battery charge may be depleted. 	<ul style="list-style-type: none"> • Check the battery is charged
Fitting will not work in normal operation	<ul style="list-style-type: none"> • Area too light, e.g. lighting nearby. 	<ul style="list-style-type: none"> • Reposition fitting if required.
Sensor range too short.	<ul style="list-style-type: none"> • Fitting is fixed at an angle of approach into detection bands is incorrect. • Other lighting interfering with the sensitivity of the PIR. 	<ul style="list-style-type: none"> • Change the angle of approach, check PIR sensor has not been disturbed or obstructed. • Move fitting away from other lights.
Lamp false triggers	<ul style="list-style-type: none"> • Fitting badly positioned • High winds 	<ul style="list-style-type: none"> • Reposition fitting or direction of PIR sensor. • Temporary situation. If annoying, change to Mode.