

INSTALLATION INSTRUCTIONS

A guide for qualified electricians



Model:

SA360PIR

Stand Alone Internal 360° PIR Sensor

These instructions are provided as a guideline to assist you.

**PLEASE READ THESE INSTRUCTIONS BEFORE INSTALLATION
AND RETAIN FOR FUTURE REFERENCE**

Pack contents:

1 x Fitting
1 x Mounting kit

**EVENTUALLY, YOU MAY WANT TO
REPLACE THIS PRODUCT:**

Regulations require the recycling of Waste from Electrical and Electronic Equipment (European “WEEE Directive” effective August 2005—UK WEEE Regulations effective 2nd January 2007). Environment Agency Registered Producer: WEE/ GA0248QZ.

WHEN YOUR PRODUCT COMES TO THE END OF ITS LIFE OR YOU CHOOSE TO REPLACE IT, PLEASE RECYCLE IT WHERE FACILITIES EXIST - DO NOT DISPOSE WITH HOUSEHOLD WASTE.

CLEANING:

Clean this fitting only with a soft dry cloth.

Do not use any chemical or abrasive cleaners.

IF YOU EXPERIENCE PROBLEMS:

If you believe your product is defective, please return it to the place where you bought it. Our Technical Team will gladly advise on any Eterna Lighting product, but may not be able to give specific instructions regarding individual installations.



Email: sales@eterna-lighting.co.uk / technical@eterna-lighting.co.uk

Visit our website: www.eterna-lighting.co.uk

Made in China

READ THIS FIRST:

Check the pack and make sure you have all of the parts listed on the front of this booklet. If not, contact the outlet where you bought this product.

This sensor must be installed by a competent person in accordance with the current building and IEE wiring regulations.

As the buyer, installer and/or user of this product it is your own responsibility to ensure that this fitting is fit for the purpose for which you have intended it. Eterna Lighting cannot accept any liability for loss, damage or premature failure resulting from inappropriate use.

This product is designed and constructed according to the principles of the appropriate British Standard.

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

Do not connect to a circuit which also has inductive loads connected; switching of inductive loads will generate spikes which may damage electronic components within your PIR.

This unit is suitable for indoor use only.

This product is suitable for use in living areas. (Not for area constantly subjected to moisture)

This product is suitable for installation on surfaces with normal flammability e.g. wood, plasterboard and masonry.

Before making fixing hole(s), check that there are no obstructions hidden beneath the mounting surface such as pipes or cables.

Do not attach to surfaces which are damp, freshly painted or otherwise electrically conductive (e.g. metallic surfaces).

When making connections ensure that the terminals are tightened securely and that no strands of wire protrude. Check that the terminals are tightened onto the bared conductors and not onto any insulation.

This fitting is double insulated; do not connect any part to earth.

IMPORTANT: 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 current IEE wiring and building regulations.

POSITIONING THE UNIT:

When selecting the mounting position, take into account the following points:

- 1) The sensor is designed for optimum performance when mounted on ceiling (see fig. 2 opposite).
- 2) Avoid pointing or positioning close to heat sources or heat extraction units, which may cause false triggering.
- 3) Avoid pointing at bright lights as unit will not function when you set Lux control level to dark (☾).

INSTALLATION:

Switch off power and isolate circuit by removing the appropriate fuse.

- 1) Remove the small screw located in the lens cover.
- 2) Using the PIR base as a template mark the fixing positions on the mounting surface.
- 3) Pierce the membrane of the grommet, pass mains and load cable through the cable entry.
- 4) Connect the incoming LIVE to the terminal marked (L in) and connect the incoming NEUTRAL to the terminal marked N. (see fig.1 opposite).
- 5) Connect the load LIVE to the terminal Marked (L out) and connect the load NEUTRAL to the terminal marked N. (see fig.1 opposite).
- 6) Fix PIR to prepared mounting surface with screws and wall plugs provided.
- 7) Restrain cables with cable clamp and fit cover.
- 8) Restore power.
- 9) Conduct walk test using the instruction set out opposite.

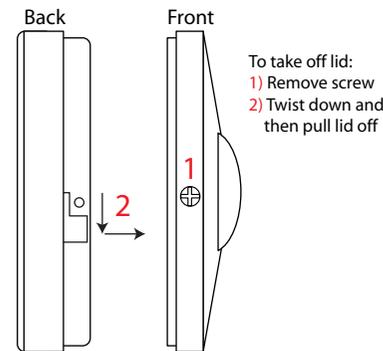
TECHNICAL INFORMATION:

- Switching Load: Maximum 8A 1600W Resistive or 500W Fluorescent. LED 200W Max. (no more than 8 lights).
- Supply Voltage: 230V~50Hz.
- Time Control: From approx 10 seconds to approx 15 minutes \pm 2.
- LUX Control: Daylight & night adjustable.
- Detection Range: 360° up to 5 metre radius mounted at 3 metres.
- Mounting Height: 3 metre maximum.
- Protection: Class II

WALK TESTING:

NOTE: When power is switched on to the PIR unit, the detector will enter into a "WARM-UP" period for approximately 30 seconds and then automatically change into "AUTO MODE". While in the AUTO MODE, you can then carry out a walk-test, as per instructions below.

- 1) While in "AUTO MODE" you can commence the walk test. The LUX dial should be set to the day position (toward the daylight symbol (☼)) and the time control to the minimum position (towards the minus symbol (-)).
- 2) Walk slowly during the walk testing in order to gain the desired detection area.
- 3) When the walk test is complete set the LUX level & TIME on adjustment controls to the desired settings.



To take off lid:
1) Remove screw
2) Twist down and then pull lid off

ADJUSTING THE LUX CONTROL:

The LUX control has a built in photocell which detects daylight and darkness. Rotate the LUX control (LUX ☼/☾) to set to the desired level of daylight. Allow approximately 5 seconds for the photocell to stabilise at the desired level.

ADJUSTING THE TIME CONTROL:

The length of time that the switch remains on can be adjusted from approximately (10 \pm 5) seconds to approximately 15 \pm 2) minutes. This is adjusted by rotating the time (Time + /-) gauge. Once the load has been triggered by the PIR detector, any subsequent movement will start the timed period from the beginning.

