

# Motion Detector 180° PIR

# ROBUS®

QUALITY PRODUCTS BY LED GROUP

## R180-01 & R180-04

Please read instruction before commencing installation and retain for future reference.

### Specification:

Stand alone Passive infra-red sensor switch (PIR). Replacement for standard single gang wall switch. Energy saving lighting control, which is ideal for indoor, outdoor and wall.

Electrical Protection: Class II (no earth required)  
Supply: 220V~240V 50/60Hz  
Output Load: Max.1,000W Incandescent lamps  
300W fluorescent lamps, 150W LED

Operating Temp: 5°C < ta < 40°C  
Size: Height: 85mm, Depth: 130mm, Width: 75mm  
Weight: 0.36Kg

Detection range: 180° detection angle, 12m Range,  
2.5m Max Mounting Height  
Delay time: Adjustable time delay 10 second to 10minutes  
Light Level Adjustable: Daylight to night adjustable  
IP: IP44

Terminals suitable for cable sizes from 0.75mm<sup>2</sup> to 1.5mm<sup>2</sup>.  
Suitable for mounting on normally flammable surface

#### Note:

Product technical information and specification may change over time without prior notification. For the latest technical information please visit our web site [www.ledgrouprobust.com](http://www.ledgrouprobust.com) or [www.robustdirect.com](http://www.robustdirect.com)

### Installation:

**! Electrical products can cause death or injury, or damage to property. If in any doubt about the installation or use of this product, consult a competent electrician.**

1. Ensure mains supply is switched off before commencing work.
2. Choose suitable location for mounting the sensor, mounting height is 2m to 2.5m from floor level.
3. When cutting or drilling holes ensure not to impinge on buried cable or pipe work.  
**Avoid:** positions close to exhaust gas flues, heat extraction vents, or heat sources to avoid false triggering. Also avoid pointing toward bright lights which may prevent operation (or cause hunting i.e. flashing lights on and off) when Lux level set for night operation.
4. Connect detector LS(black) to lamp L, connect detector L(brown) to power supply L, and connect detector N(blue) to power supply N and lamp N.
5. Set Lux control to day or sun position and Time to minimum (-).
6. Put switch in the on position and attach sensor to wall.
7. Switch on mains supply: The sensor will warm-up for approx 50 seconds and then switch to auto detection mode.
8. The connected lights can be switched by two ON/OFF operations of the external switch within 4 seconds, the light will flash 3 times and then the light stay on for 8 hours; if you want to make the detector back to the AUTO mode, you can operate the external switch ON/OFF two times within 3 seconds, the light will flash 3 times and then the detector will return to the AUTO mode (normal operation)

Walk testing can then be carried out to determine detection area with slow walking pace. When the sensor detects movement, the load will be switched on for the preset time. When finished, set light level and delay time. Turning the Lux control toward the moon position will stop switching action during bright daylight (for energy saving). To increase on time turn time control towards +, max time delay 10 minutes. Note: once sensor has been triggered, subsequent detection restarts timing period from beginning, so light stays on until set time elapses after last triggering

### Information for the Product user

1. Please note the requirement to dispose of Waste Electrical & Electronic Equipment separately from household waste (WEEE marked with crossed out wheellie bin symbol).
2. Please consider your role in contributing to re-use and recycling by returning this product at end of life to a collection centre for waste electrical equipment or a Civic Amenity site, or to a retail outlet from which you are purchasing a replacement.
3. This equipment may contain substances that are hazardous to health and the environment if disposed of carelessly. It is important that it is separated from normal household waste and recycled in the WEEE chain
4. The "crossed out wheellie bin symbol" on a product indicates this equipment must not be disposed of in normal household waste, but should be disposed of according to local WEEE regulations

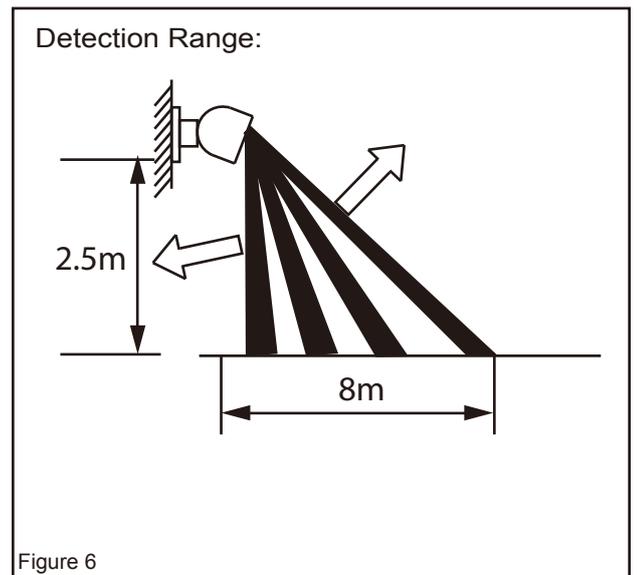
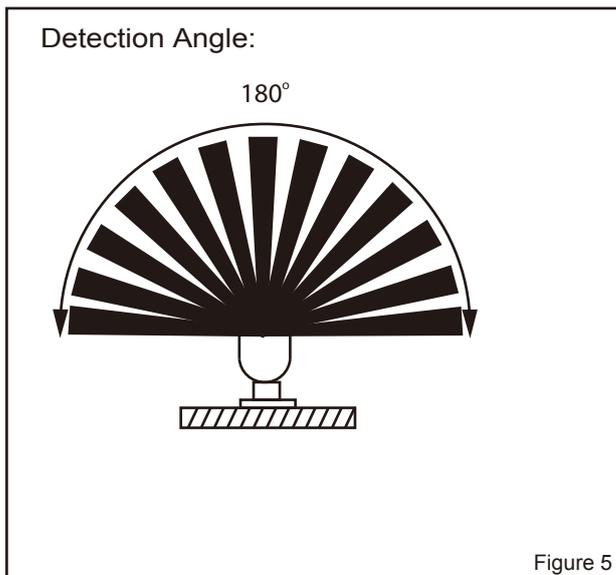
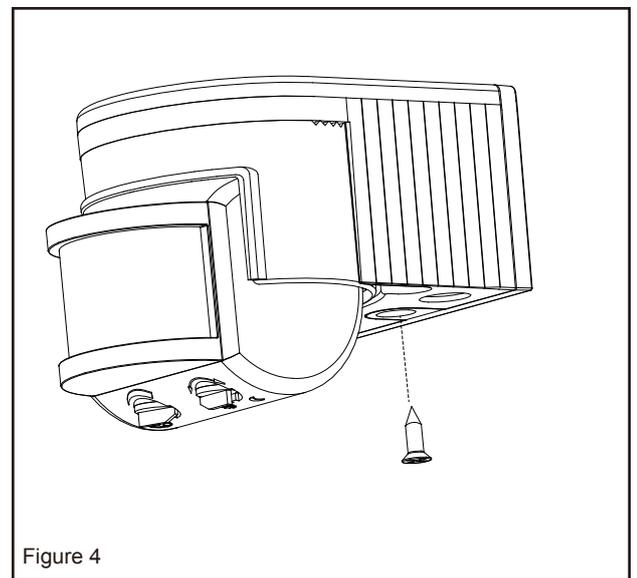
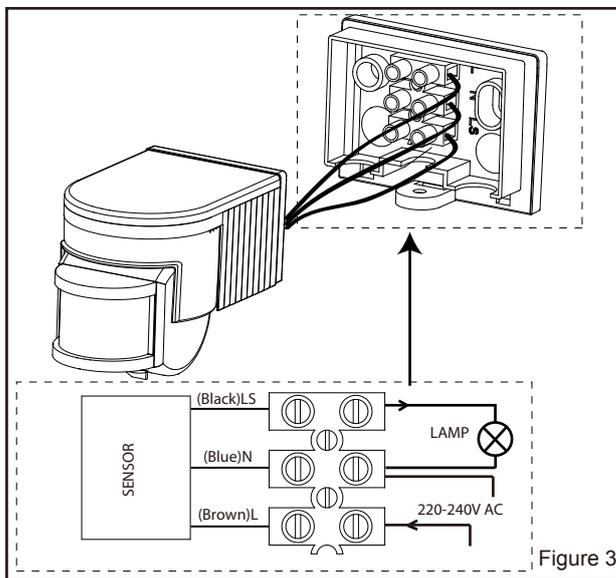
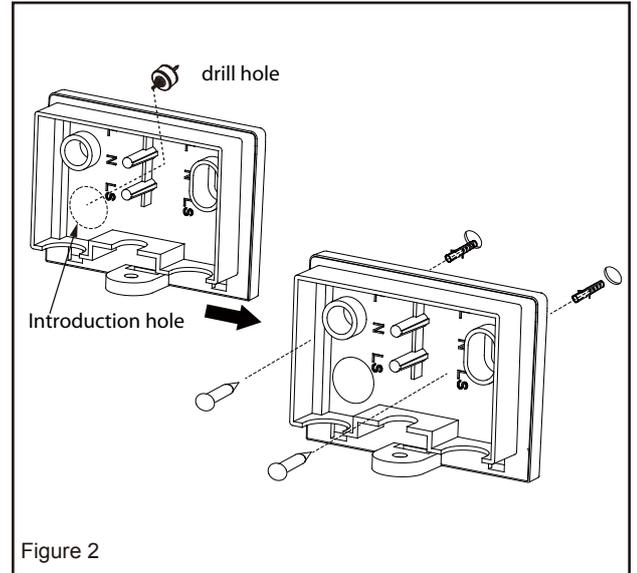
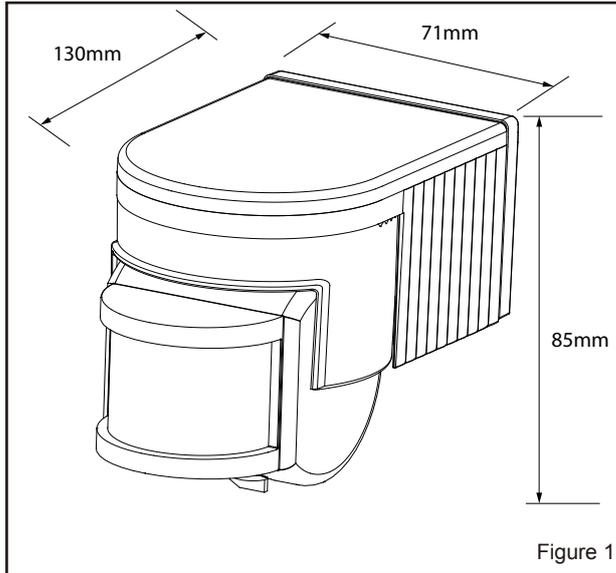
**The Installation must be carried out by an electrician**

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Installation diagram:



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