



Infrared Motion Sensor

Code: 70403/70404

Date	Revision
7.1.25	1

Read these instructions before installation and retain for future reference.
This equipment should be installed by a competent electrician



Important Information

We recommend that luminaires are installed by a qualified electrician ensuring the installation complies with current IEE wiring regulations BS7671:2018 & local building control.

- All tests should be carried out in accordance to EN 50172:2004.
- BELL will not accept responsibility for any claims arising from poor installation.

Important User Advice

- The ambient temperature should not exceed 45°C.
- Ensure that there is adequate free air ventilation around the fitting.
- Always switch off mains supply before installing.

This product may contain substances that can be hazardous to the environment if not disposed of properly. Electrical and electronic equipment should never be disposed of with general household waste but must be separated for its correct treatment and recovery. Where possible recycle your packaging.



Specification

Power Source: 220-240V/AC
Detection Range: 180°
Power Frequency: 50/60Hz
Detection Distance: 12m max(<24°C)
Ambient Light: <3-2000LUX (adjustable)
D2D Photocell Function
Working Humidity: <93%RH
Time Delay: Min.10sec±3sec Max. 15min±2min
Power Consumption: approx 0.5W
Installation Height: 1.8-2.5m
Rated Load: Max.1200W LED 300W
Detection Moving Speed: 0.6-1.5m/s

Installation

Avoid pointing the detector towards objects with highly reflective surfaces, such as mirrors etc.

Avoid mounting the detector near heat sources, such as heating vents, air conditioning units, light etc.

Avoid pointing the detector towards objects that may move in the wind, such as curtains, tall plants etc

Loosen the screw at the bottom and remove the bottom (refer to the figure1).

Pass the power cable through the hole with gasket in the bottom. Connect the power according to the wiring diagram.

Fix the bottom with screws on the selected position (refer to the figure2).

Install back the sensor on the bottom, tighten the screw and then test it.

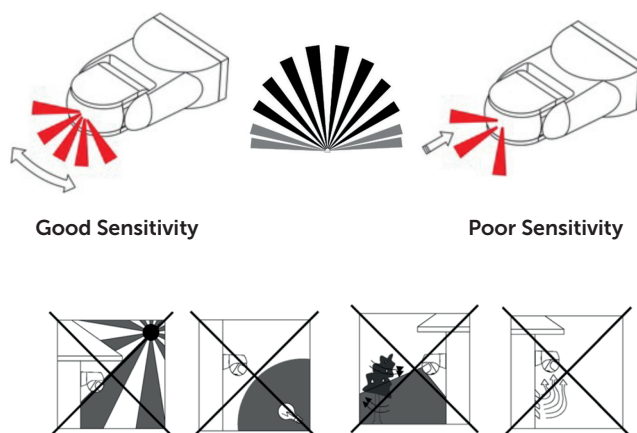


Figure 1

Figure 2



Technical Helpline +44 (0)1924 893380

www.belllighting.co.uk

British Electric Lamps Ltd
BELL House, Foxbridge Way, Normanton Industrial Estate
Normanton, West Yorkshire. WF6 1TN

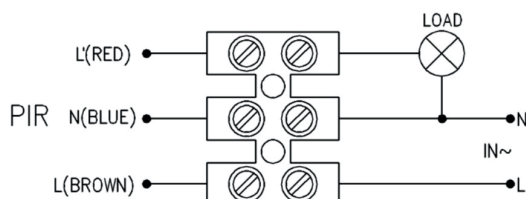
T: +44 (0)1924 893380 F: +44 (0)1924 894320 E: sales@belllighting.co.uk

www.belllighting.co.uk

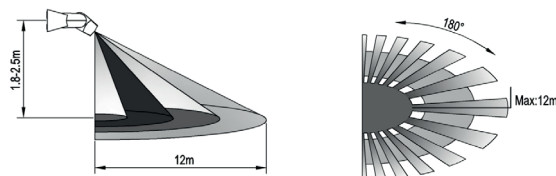
Read these instructions before installation and retain for future reference.
This equipment should be installed by a competent electrician



Wiring Diagram



Sensor Information



Installation Height: 1.8-2.5m
Detection Distance: Max.12m

Test

Turn the LUX knob clockwise on the maximum (sun). Turn the TIME knob anti-clockwise on the minimum (10s).

Switch on the power; the sensor and its connected lamp will have no signal at the beginning. After 30sec, the sensor will start work. If the sensor sees movement, the lamp will turn on. While there is no movement any more, the load should stop working within 10sec±3sec and the lamp would turn off.

Turn LUX knob anti-clockwise on the minimum (3). If the ambient light is more than 3LUX, the sensor would not work and the lamp stop working too. If the ambient light is less than 3LUX (darkness), the sensor would work. No movement, the sensor should stop working within 10sec±3sec.

Note: when testing in daylight, please turn LUX knob to (SUN) position, otherwise the sensor lamp will not work!

Wiring Diagram

