BELLlighting

2 in 1 Infrared Motion Sensor
Code: 70406

**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 40°C.
- Ensure that there is adequate free air ventilationaround the fitting.
- Always switch off mains supply before installing.

CE UKCA

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: 360°

Power Frequency: 50/60Hz

Detection Distance: 12m max(<24°C)

Ambient Light: <10-2000LUX (adjustable)

Working Humidity: <93%RH

Working Temperature: -20°~40°

Time Delay: Min.10sec$\pm$3sec Max. 7min$\pm$2min

Power Consumption: approx 0.5W

Installation Height: 2-2.4m

Rated Load: Max.800W LED 400W

Detection Moving Speed: 0.6-1.5m/s

Installation Advice

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.

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

Method 1

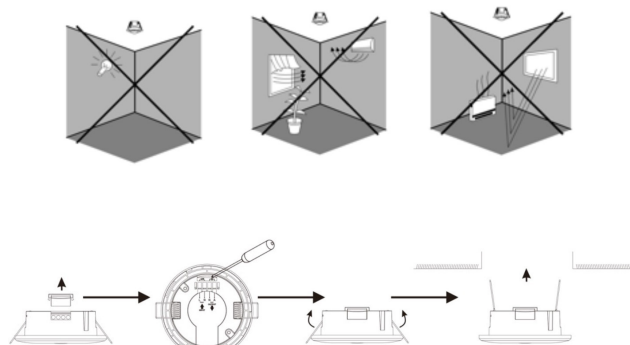Remove the upper cover with anti-clockwise twist as per the diagram opposite.

Connect the power and the load according to the connection-wire diagram.

Fix the base on the selected position with the wiring screws.

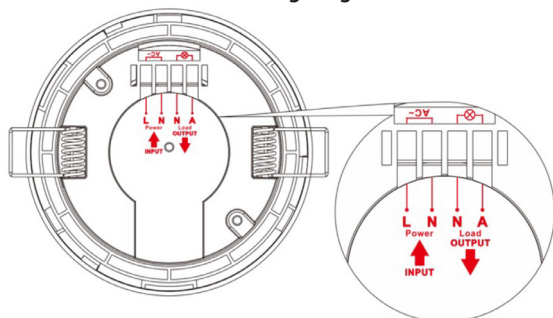Install back the upper cover on the sensor, then you could switch on the power and test it,

Method 2

Remove the transparent vinyl cover which is at the bottom of the sensor

Loose the screws in the connection terminal, and then connect the power according to wiring diagram.

Fold the metal spring of the sensor upwards, until they are in "I" position with sensor, and then put the sensor into the hole. Releasing the spring, the sensor will be set in this installation position.

After finishing installing, turn on the power and then test it.

Good Sensitivity   **Poor Sensitivity**

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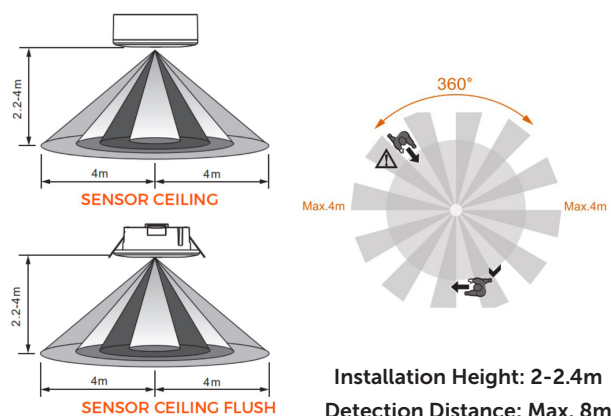
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Wiring Diagram

L N N A
Power Load
OUTPUT
INPUT

Sensor Information

SENSOR CEILING
2-2.4m
4m 4m

SENSOR CEILING FLUSH
2-2.4m
4m 4m

360°
Max.4m Max.4m

Installation Height: 2-2.4m
Detection Distance: Max. 8m

Test

Turn the TIME knob clockwise on the minimum "-" (10S). Turn the LUX knob clockwise on the maximum (sun).

Switch on the power; the sensor and its connected lamp will have no signal at the beginning. After a warm-up time of 30sec, the sensor will work .If the sensor detects movement, the lamp will turn on. While there is no movement, the load should stop working within 10sec $\pm$ 3sec and the lamp will turn off.

Turn LUX knob anti-clockwise on the minimum (moon). If the ambient light is more than 10LUX, the sensor would not work and the lamp stop working too. If the ambient light is less than 10LUX (darkness), the sensor would work. When there is no movement, the sensor will stop working within 10sec$\pm$3sec.

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

LUX LUX TIME TIME

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