



## Key features

- ✓ Easy push button set up
- ✓ Movement sensor auto on/auto off
- ✓ Range up to 6m at 2.8m mounting height
- ✓ Works with any type of lamp
- ✓ Lux level sensing
- ✓ Adjustable timer
- ✓ Switches any type of load
- ✓ IP40 rated



## Flush Mounted PIR Movement Sensor GEFL-PB

### What it is

Following from the success of our surface mounted PIR movement sensor with push button functionality (GESM), CP Electronics now introduce our flush mounted version: GEFL-PB - making installation discreet, and set-up quick and easy.

The GEFL-PB is a flush mounted ceiling passive infrared (PIR) movement sensor designed to provide automatic control of lighting, heating or ventilation.

### What it does

The PIR movement sensor automatically turns lights on when an area is occupied, and off when vacated. When an area is occupied, lighting is only switched on when the level of natural light falls below a preset level. The addition of push buttons allows for easy control of the lux level and time delay set up.

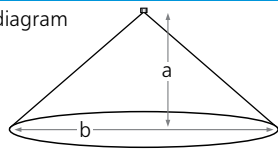


The GEFL-PB works with any type of lamp, including LED to provide exceptional energy savings. The sensor has a range of 6m at a 2.8m mounting height to provide accurate detection. The GEFL-PB benefits from the same exceptional green-i quality as the rest of the range, and 5 year warranty as standard.

# Technical specification Flush Mounted PIR Movement Sensor GEFL-PB

## Performance data

Detection diagram



a: 2.8m

b: 6m

## Environmental data

Temperature	-10°C to 35°C
Humidity	5-95% non-condensing
Material (casing)	Flame retardant ABS and PC/ABS
Type	Class 2
IP rating	IP40

## Compliance

EMC-2004/108/EC  
LVD-2006/95/EC

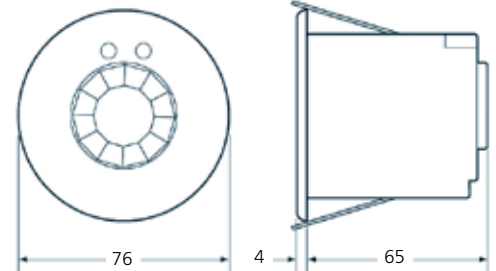


## Electrical data

Supply Voltage	230VAC +/- 10%
Frequency	50Hz
Circuit protection	10A
Maximum load	8A resistive and incandescent lighting 4A fluorescent lighting and resistive 3A compact fluorescent lighting 3A low energy lighting 3A LED lighting 3A low voltage lighting (switch primary of transformer) Fluorescent lighting (max 6 fittings recommended) For fluorescent lighting total power factor capacitance must not exceed 40µF 3A fans and ventilation equipment Switch SON lighting loads via a contactor Minimum load 100mA
Power consumption	On 560mW, Off 711mW
Terminal capacity	2.5mm <sup>2</sup>
Time delay	1m - 30m

## Mechanical data

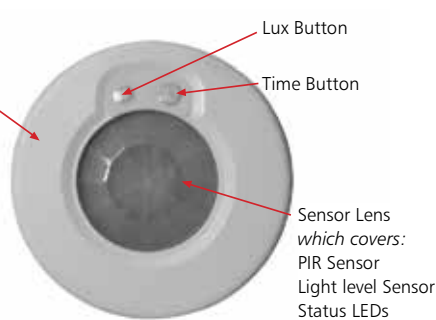
Dimensions  
Weight: 0.15kg



## Features

Front features

Mounting Bezel

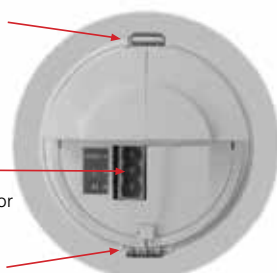


Back features

Retaining Spring

Power Input & Switched Output Connector

Retaining Spring



### PIR sensor

Detects movement within the sensor's detection range, allowing load control in response to changes in occupancy.

### Light level sensor

Measures the overall light level in the detection area.

### LED

The red LED is used for feedback information during set-up.

### Power Input & Switched Output Connector

Used to connect mains power to the sensor and to connect a switched load.

### Lux Button

Use to set the Lux level for Lux switching.

### Time Button

Use to set the Time delay after which the load switches off when an area is vacated.

## Order code

### Description

GEFL-PB	Flush mounted PIR movement sensor with easy push buttons
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### IMPORTANT NOTICE!

This device should be installed by a qualified electrician in accordance with the latest edition of the IEE Wiring Regulations and any applicable Building Regulations.

Due to our policy of continual product improvement CP Electronics reserves the right to alter the specification of this product without prior notice.



green-i is a division of CP Electronics



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