

# Ceiling Mounted Occupancy Sensor



The TP-CEPIR Ceiling Mounted Occupancy Sensor is designed to activate whenever movement is detected.

Incorporation of a light level sensor enables the occupancy switch to be used for dual purposes to switch ON/OFF such items as lights, ventilation fans and air conditioning.

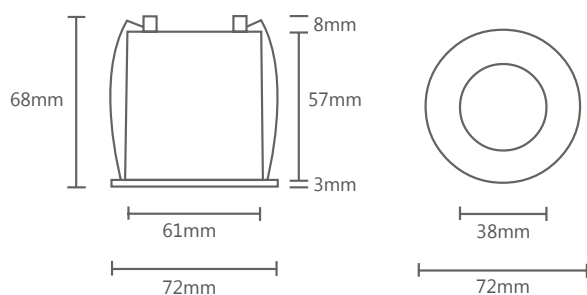
The occupancy sensor also incorporates an adjustable delay off timer after each activation.

The sensor is available in 24V AC, 24V DC or 240V options.

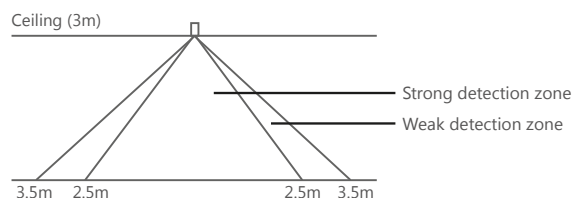
## Specification

Material Body:	White polycarbonate
Output:	Volt free relay contacts max 240V 3A inductive
Power Supply:	240V $\pm$ 15% AC 50Hz
Power Consumption:	120mA
Direction Range:	3.5 metres
Timer Delay (off):	10 seconds to 40 minutes
Operating Temperature:	-10 to 50°C
Connections:	3 core cable (see below)
Dimensions (mm):	See below
Cable length:	2 metres
Country of Origin:	UK
Product Codes:	TP-CEPIR/FL/24AC/VF TP-CEPIR/FL/24DC/VF TP-CEPIR/FL/240/VF

## Dimensions

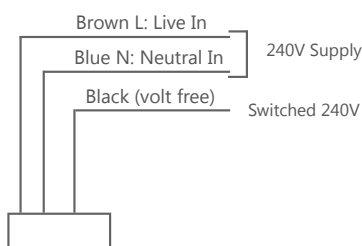


Requires a 64mm diameter hole



Distances are approximate and should be reduced proportionally for lower mounting height

## Connections



## Installation and Settings

1. The PIR unit is pre-wired with a 3 core flexible cable standard 2 metre long with other lengths available to order. Connect the unit in accordance with the diagram.

2. Ensure the connections are correct before switching on the power.

3. Turn on the power and the switch will come on for about a minute for an automatic walk test. Wait away from the detection range for a couple of minutes until the switch turns off. Movement near the switch should then cause it to switch on (subject to the room brightness and photocell setting), if there is no more movement, it will go off after the set time lag.

4. There are two adjustment settings, (Time and Lux) on the top of the PIR.

**TIME** Setting the "Time" adjustment determines how long the relay will be energised after the last activation "ON" signal. The time setting range is from 10 seconds to 40 minutes. The scale is in 9 increments as follows:- 10, 20, 40, 80, 160 seconds, 5, 10, 20, 40 minutes. (These times are approximate to  $\pm$ 20%)

**LUX** The PIR incorporates a photocell which overrides the operation of the PIR when used in light control applications. With the "Lux" setting turned fully anti-clockwise the light sensor does not have any influence and the PIR activates on movement detection alone. With the "Lux" setting turned clockwise the light sensor overrides movement activation dependent on the light level. The maximum setting is 1000 Lux.

5. The detection range is in a cone approx. 2.5m to 3.5m radius at floor level when mounted between 2.5m to 3.0m above the floor. It should be mounted over the area where activity is expected. Avoid locating this product where it is exposed to drafty conditions or near heat sources.