

Flush Ceiling Mount Occupancy PIR sensor

Product Overview

The AX-OC-CMPF-VF range of occupancy sensors are designed for use in energy savings systems where the heating, lighting or ventilation loads are automatically controlled based on occupancy.

It detects movement using a PIR sensor and turns on the connected loads. There is an adjustable timer that switches off the load when the area is no longer occupied. The built-in light sensor aids additional energy savings in lighting control applications. The device will turn on the load only if the ambient light is below a preset level.



Products Features

- 24Vac/dc and 230Vac versions
- Adjustable time delay
- Built-in light sensor
- Easy wiring and configuration
- Works upto 3.5m height
- Excellent EMI immunity

Product Specifications

Power supply:	VF	24 Vac/dc \pm 10 %
	VF24	230Vac \pm 10 % 50/60Hz
Power consumption:		1W maximum
Installation height:		2.5 ~ 3.5m
Detection angle:		360°
Detection range:		10 meters diameter max. (At 2.5m height, 25°C)
Sensor type:		Passive Infrared
Time Delay :	Min (-)	10 \pm 3 secs
	Max (+)	15 \pm 1 Mins
Ambient light:	Min (C)	5 \pm 2 lux
	Max (☼)	10000 \pm 500 lux
Contact type:		SPST
Contact rating:	VF	250V @ 6A Resistive load (AC1:1500 VA, AC15: 270VA)
	VF24	250V @ 12A Resistive load (AC1:3000 VA, AC15: 480VA)
Ambient temperature range:		-10°C to 40°C
Terminals:		Rising clamp for 0.5-2.5mm ² cable
Protection class:		IP40
Housing material:		Plastic
Dimensions :		72x76mm
Weight:		80gms
Country of origin:		UK

Product Order Codes

AX-OC-CMPF-VF	Flush ceiling mount occupancy PIR sensor - 230Vac, Volt free version
AX-OC-CMPF-VF24	Flush ceiling mount occupancy PIR sensor - 24Vac/dc, Volt free version

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Installation

The product should be installed by a suitably qualified technician in conjunction with any guidelines for the equipment it is to be connected to and any local regulations. The unit should be sited so that the detection pattern captures the normal occupancy positions inside the room.

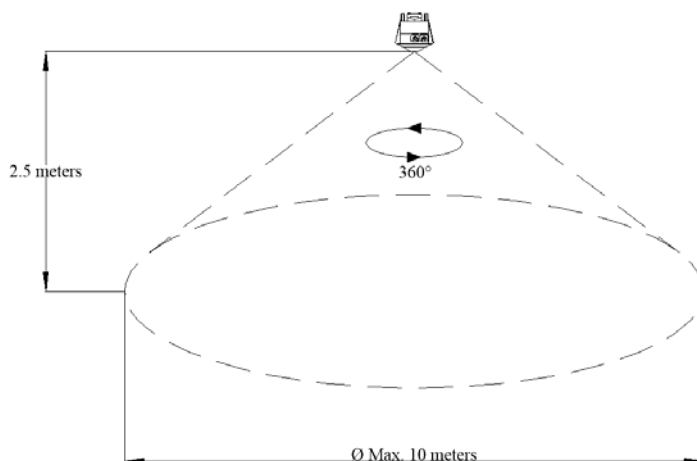
Adhere to the following guidelines for the proper operation of the product.

- Switch off the power to the unit before performing any work on it.
- Avoid direct sunlight entering the sensor.
- Do not position sensor within 1 metre of ventilation or forced air heating.
- Do not position sensor on a vibrating surface
- For the 230V version installation: L: Live wire (black or brown) N: Neutral conductor (blue or grey).
- This device is only suitable for ceiling mounting.
- Ensure that the motion detector is not obscured.

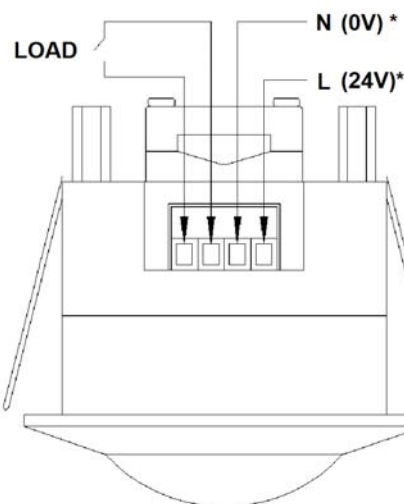
Operation

The 'LUX' preset sets the ambient light threshold below which the output will be ON when the PIR sensor detects a motion. When movement stops, the device will turn off the output after a time period set by the 'TIME' preset. The status led in the unit will blink green when motion is detected and red otherwise.

Detection Pattern

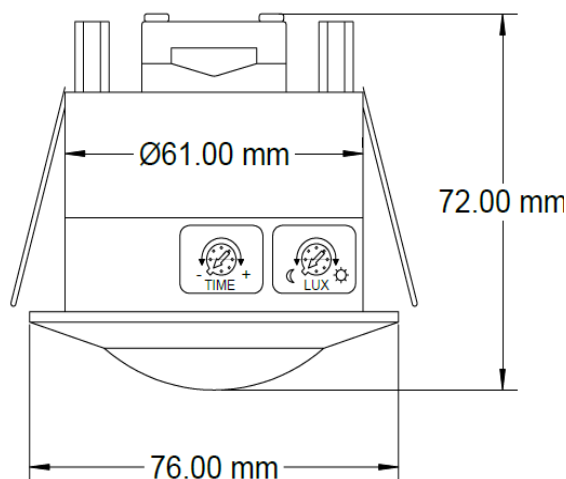


Connections



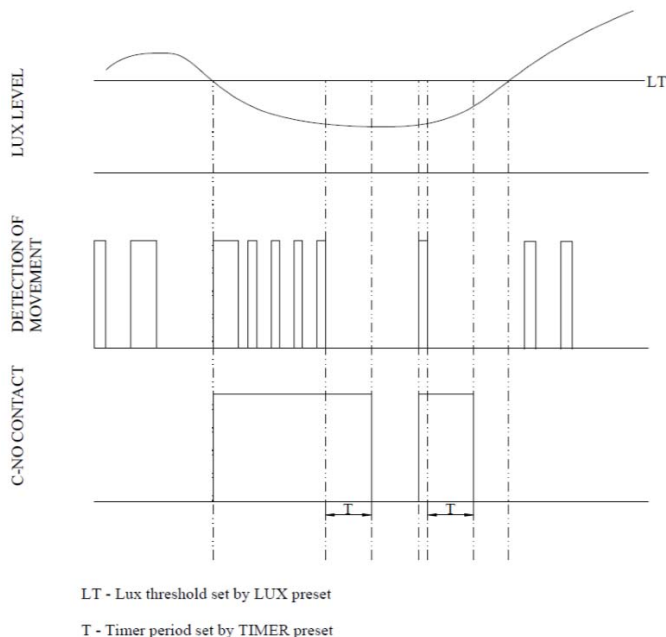
* For VF24 Version

Dimensions



Datasheet Contents

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This setting control can be used to regulate the switch-on sensitivity of this unit depending on the ambient brightness between 5-10000 lux.

Adjust the time delay between 10seconds and 15 minutes