

Product Overview

The AX-OC-360C range of occupancy sensors are designed for use in energy savings systems where pet immunity is required and the lighting loads are automatically controlled based on human occupancy.

It detects movement using a PIR sensor and turn 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.

The unit is mounted on a single gang plate for easy installation.



Products Features

- 360 Degree Beam Pattern
- Up to 8 meter circular detection range
- 230Vac and 24V versions available
- Comes with 25mm Pattress box
- Recommended for tightly packed zones for minor motion detection
- Motion detection lens

Product Specifications

Power supply:	230 Vac \pm 10 % 230V versions 24 Vac/dc \pm 10 % for 24V versions
Power consumption:	1W maximum
Sensor type:	Infrared
Detection range:	8m (Circular Area)
Field of view:	360° .See the detection pattern.
Output:	Supply voltage for switched live versions. SPST for volt free versions
Terminals:	Rising clamp for 0.5-2.5mm ² cable
Contact rating:	6A @ 240Vac resistive
Timer adjustability :	10 secs to 12 mins
Lux threshold:	0-1000lux. Onboard jumper to enable/disable jumper.
Ambient temperature range:	0°C to +50°C
Dimensions:	85 x 85 x 35 mm
Backbox depth:	Minimum 22mm
Weight:	120gms
Country of origin:	UK

Product Order Codes

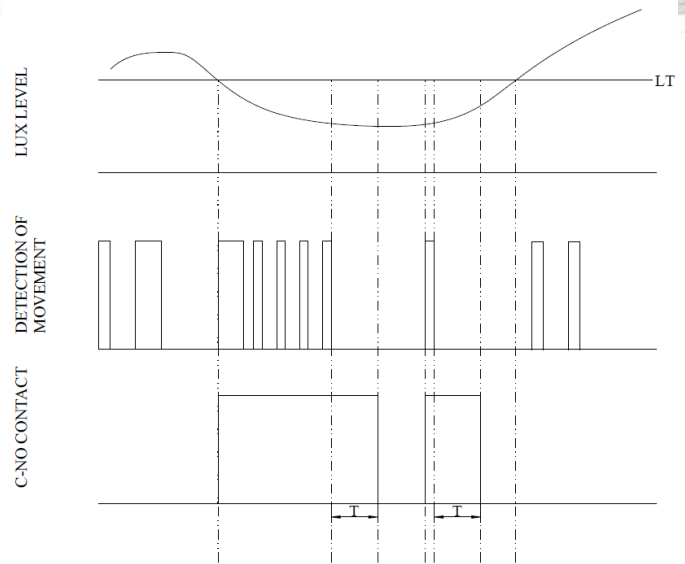
Switched live	Volt free	Description
AX-OC-360C-24SL	AX-OC-360C-24VF	Ceiling mount occupancy sensor,24V, 360 Degree Beam Pattern
AX-OC-360C-230SL	AX-OC-360C-230VF	Ceiling mount occupancy sensor, 230V, 360 Degree Beam Pattern
		Add “-65” for IP65 version

Installation

The AX-OC-360C 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 sight within 1 meter of any lighting.
- Do not position sensor within 1 metre of ventilation or forced air heating.
- Do not position sensor on a vibrating surface

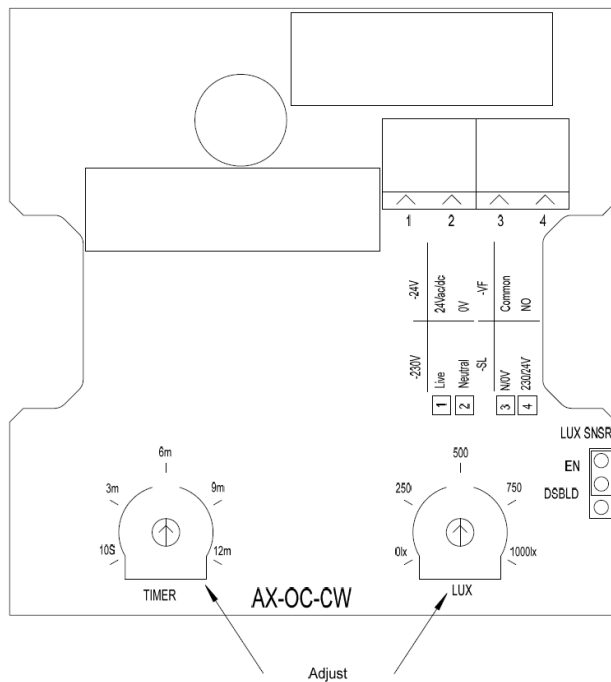


LT - Lux threshold set by LUX preset

T - Timer period set by TIMER preset

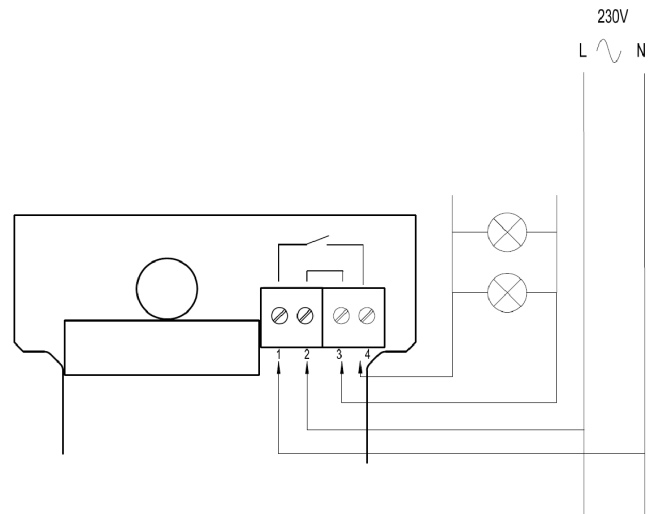
Operation in 'Auto' mode

Connections

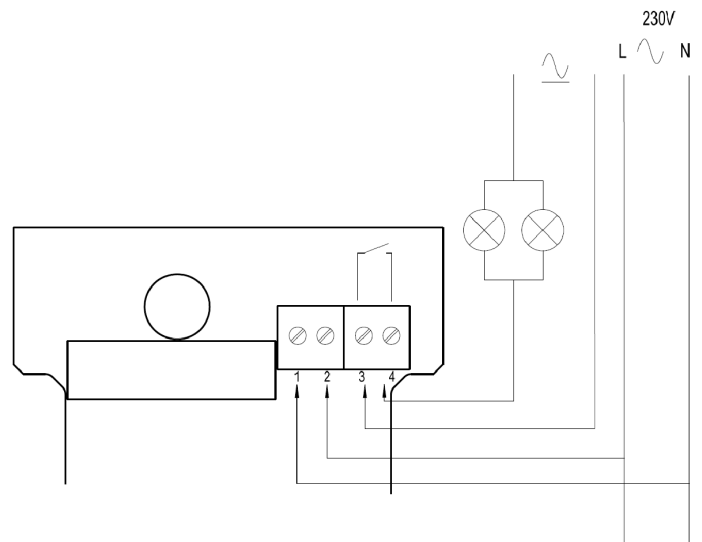


Typical Wiring Diagrams

- Switched live



- Volt-free contacts

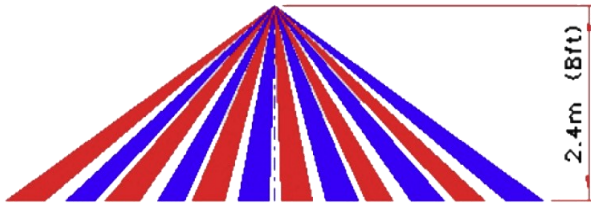


Operation

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 'TIMER' preset.

LUX sensor can be disabled using the onboard jumper. Once disabled, the unit will switch ON and OFF based on motion detection only.

Detection Pattern

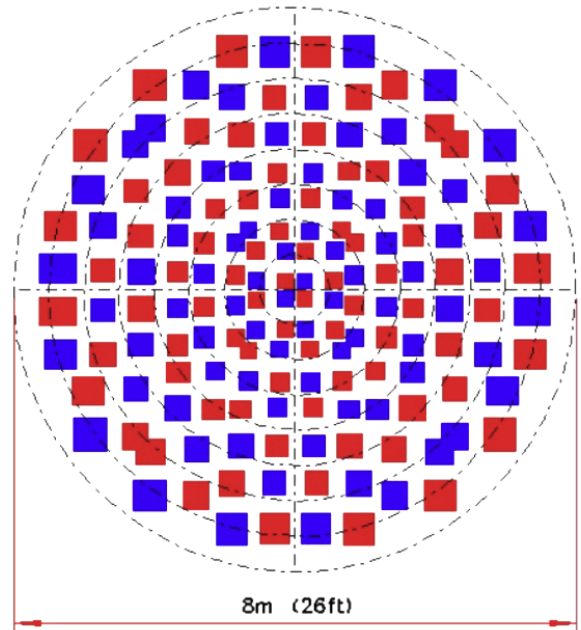


Detects motion up to 8 meters circular area at installation height of 2.4M, Detections diameter will reduce with height reduction.

Datasheet Contents

Every effort has been taken in the production of this data sheet to ensure accuracy. Annicom do not accept responsibility for any damage, expense, injury, loss or consequential loss resulting from any errors or omissions. Annicom has a policy of continuous improvement and reserves the right to change this specification without notice.

Typical Applications



Typical application 1: Sensor mounted 2.4 meters above floor level. Diameter covered is 8 meters.