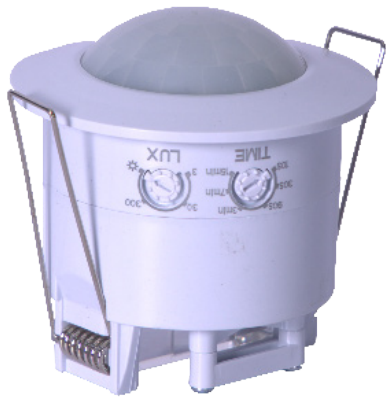
CD-Y41

RECESSED (FLUSH) - MOUNT INFRA-RED OCCUPANCY SENSOR

COSINE DEVELOPMENTS
LEADERS IN LIGHTING TECHNOLOGY



OVERVIEW:

- Detection diameter of up to 6m
- Three-sensor configuration
- 300W rated load
- 15 minutes maximum time setting
- 2 year warranty

PRODUCT DESCRIPTION:

The CD-Y41 is an active infra-red motion detector. It senses changes in heat via its Fresnel lens to detect human movement. The sensor can detect even the slightest movement in the detection zone.

The unit is designed to be fitted flush into ceilings. 360° sensing is assured via its three heat sensors. A minute maximum time setting will reduce the possibility of the lights being extinguished when somebody is present. A built-in light sensor facilitates daylight harvesting.

2 adjustments are provided:

- Daylight harvesting lux adjustment
- Delay time

SPECIFICATIONS	
Daylight Harvesting	3 to 2000 lux
Detection Angle	360°
Detection Range	6 metres
Detection Speed	0.6 - 1.5ms
Dimensions	Cut Out: 62mm Rim: 76mm
Installation Height	2.2m - 4m
Mains Voltage	230Vac +/- 10% 50Hz
Maximum Ambient Temperature	+70°C
Power Consumption	0.45W (work) 0.1W (static)
Rated Load	1200W (incandescent lamp) 300W (energy saving lamp)
Time Delay	40 seconds (minimum setting) to 15 minutes (maximum setting)

CD-Y41 (CONTINUED)

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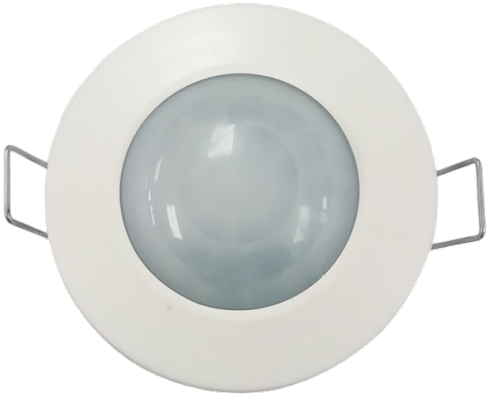

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INSTALLATION GUIDE

Please take note of important points below which could cause false on/off triggering:

- Install sensors within their mounting height rating. This will ensure that the sensor function is at its full potential.
- Due to sensitivity to heat, it is sensitive to rapid change in temperature within detection range. Avoid mounting the sensor near any heating or cooling systems. The recommended distance from HVAC systems is 1.5m.
- There must be no obstructions from the sensor to the occupants as the sensor is a line-of-sight device.
- Blind spots- the further the distance the larger the blind spot which will be less sensitive to small movements. Keep sensor to close to the desired sensor zone and use more sensor to cover the area effeciently.
- Less sensitivity in hotter environments which may affect detection.
- High levels of vibration may cause false triggering. Avoid placing sensors close to heavy duty motors that may cause the ceiling to vibrate.