OCCUPANCY SENSOR:

CD-Y41

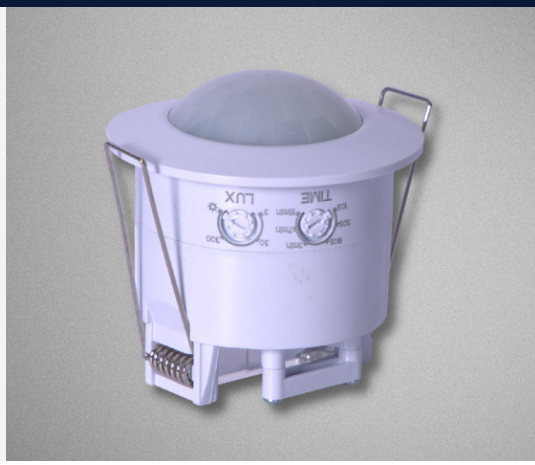
RECESSED MOUNT INFRA-RED OCCUPANCY SENSOR

COSINE DEVELOPMENTS
LEADERS IN LIGHTING TECHNOLOGY

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 heat sensor. A 15 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.



TECHNICAL DATA

DAYLIGHT HARVESTING	3 to 2000 lux
DETECTION ANGLE	360°
DETECTION RANGE	6 meters
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	Work: 0.45W | Static: 0.1W
RATED LOAD	Fluorescence/ LED: 300W Resistive: 1200W
TIME DELAY	40 seconds | minimum setting to 15 minutes | maximum setting

FEATURES

- 300W Rated Load
- Detection diameter of up to 6m
- 15 minutes maximum time setting
- 2 year warranty

2 adjustments are provided:

- Daylight harvesting lux adjustment
- Delay time

INSTALLATION GUIDE

Install the occupancy sensor within the mounting height rating to ensure full function potential. Due to its sensitivity to body heat, the sensor is also sensitive to rapid changes in temperature within its detection range. Avoid mounting the sensor close to heating or cooling systems. The recommended distance from these HVAC systems is 1.5 meters. Movement in front of hot backgrounds may not be detected.

There must be no obstructions from the sensor to the occupants as the sensor is a line-of-sight device. The further the distance, the larger the blind spots. Keep sensors close to the desired detection zone and use more sensors to cover the targeted area efficiently.

High levels of vibration may cause false triggering. Avoid placing sensors close to heavy duty motors (lift motors, aircon duct systems or heavy-duty fans) that may cause the ceiling to vibrate.