

OCCUPANCY SENSOR:

CD-MV16

RECESSED MOUNT MICROWAVE OCCUPANCY SENSOR

DESCRIPTION

The CD-MV16 is an active microwave motion detector. It emits a high frequency electro-magnetic wave of 5.8GHz and receives the Doppler echo. The sensor detects the change in the Doppler echo even from the slightest movement in the detection zone. There are no blind spots. Detection is possible through doors, panes of glass and thin walls and soft furnishings. A built-in light sensor facilitates day/night lux level sensing.



TECHNICAL DATA

DAY LIGHT LUX SENSING CONTROL	10 to 500 lux
DETECTION ANGLE	360°
DETECTION RANGE	2 - 20 meters
DIMENSIONS	Cut out: 65mm Rim: 97mm
HF SYSTEM	5.8GHz CW Radar - ISM Band
INSTALLATION HEIGHT	Up to 2.5m
POWER CONSUMPTION	0.9W
POWER FREQUENCY	50 - 60Hz
POWER SOURCE	220 - 240Vac
RATED LOAD	Fluorescent/ LED: 600W Resistive: 1200W
TIME DELAY	10 seconds - 30 minutes
TRANSMISSION POWER	<10mW

FEATURES

- > Load capacity of up to 1200W
- > Detection radius of up to 10m
- > Can be seen through boundaries etc.
- > DIP selection for rapid and easy setup
- > 30 minutes maximum time delay setting
- > 2 year warranty

3 adjustments are provided:

- > Sense range
- > Day/night lux level sensing
- > Delay time

INSTALLATION GUIDE

Install the occupancy sensor within the mounting height rating to ensure full function potential. The CD-MV16 can sense through boundaries such as glass and drywalls so can be prone to false triggering by detecting occupants in an adjacent room or corridor. Positioning and detection range setup must be taken into consideration.

The microwave sensor cannot sense through metal. Ensure that there are no metal obstructions between the sensor and the detection zone. 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.