

Motion Sensors
Occupancy Sensors
Presence Sensors
PIR Sensors



Vacker, Dubai supplies all type of Motion Sensors & Presence Sensors in all United Arab Emirates, Oman, Qatar, Bahrain, Kuwait & Kingdom of Saudi Arabia



What are motion sensors?

Motion sensors are used to detect presence of a human being in a room, hall, office, bathroom, outdoor areas etc.



How motion sensors work?

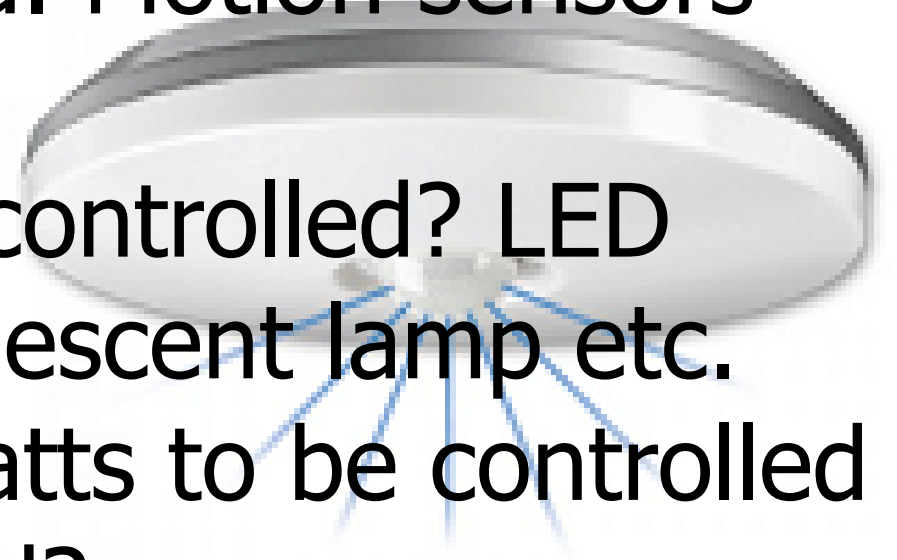
Motion sensors work by various detection technologies:

- Passive Infrared Sensors
- Microwave motion sensors
- Ultrasound motion sensors
- Dual technology sensors



How to select motion sensors?

- Find out the area to be covered. Motion sensors have range of detection
- What is the type of load to be controlled? LED lights, fluorescent lamp, incandescent lamp etc.
- What is the total load in kilo watts to be controlled
- What is the technology required?



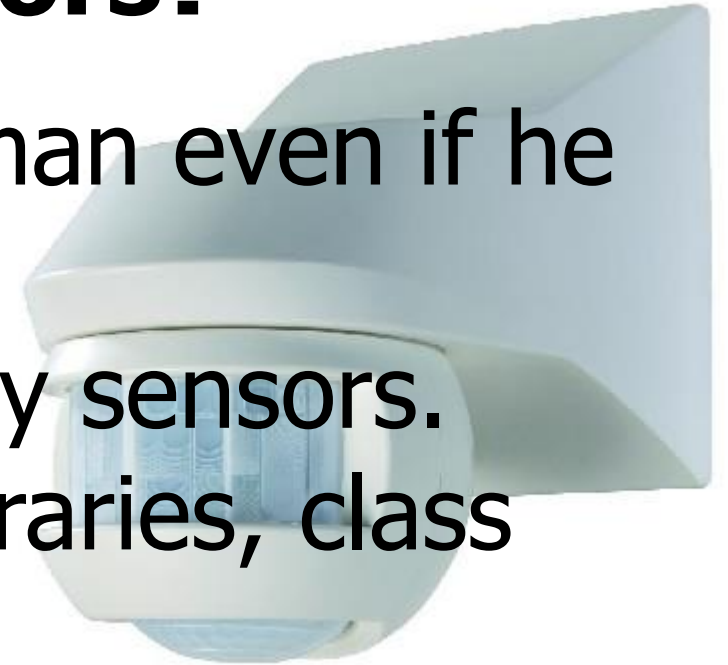
What is difference between motion sensors and occupancy sensors?

Motion sensors detect motion. If a person sits idle without movement for a small duration (based on the programmed value), the motion sensor will assume that there is nobody in the room. For example a motion sensor this is not desired in a library, since people tend to sit idle.

What is difference between motion sensors and occupancy sensors?

A presence sensor detects of a human even if he does not move.

These are also known as Occupancy sensors. Ideally these have to be used in libraries, class rooms, bath rooms etc.



What is motion sensor light?

Motion sensor light is a light combined with a motion sensor. Both will be combined in a single unit. When a motion is detected, the light will be automatically switched ON



Applications of motion sensors and occupancy sensors:

- Energy conservation by controlling electrical circuits such as lights, Fans, Air condition etc.
- If a room is occupied, these circuits will be automatically switched ON
- If there is nobody in the room, these will be switched OFF

Applications of motion sensors and occupancy sensors:

- Turning on security systems when an intruder breaks into a secured area
- Detecting unauthorized presence of personnel in secured areas

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