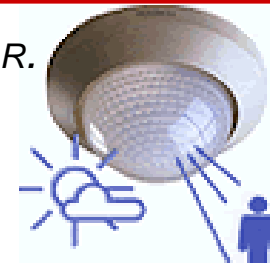


# OCCUPANCY SENSORS

CONTROL YOUR LIGHTING WITH AN OCCUPANCY SENSOR.  
WHEN NO MOVEMENT IS DETECTED IN THE ROOM  
THE SENSOR SWITCHES OFF THE LIGHTING.



## WHAT IS AN OCCUPANCY SENSOR?

It is the most cost effective building management system to be found. The installation is simple and can be retrofitted to an existing system with little or no disruption to an end user. The Occupancy Sensors are installed in an environment to control the lighting and can be used for the control of air conditioning. The sensor ensures the load is only activated when the area is occupied. The sensors can be installed inside or outside undercover i.e. Offices and Parking lots

## WHERE SHOULD I USE AN OCCUPANCY SENSOR?

- Restrooms
- Stairwells
- Closet/ Changing Room
- Concrete/ Drywall Ceilings
- Classrooms (Multiple Sensors)
- Storage Rooms with Shelving
- Corridors
- Private Offices
- T-Shaped intersections
- Office/ Conference Rooms
- Pick Aisles in Distri. Centres
- Carports

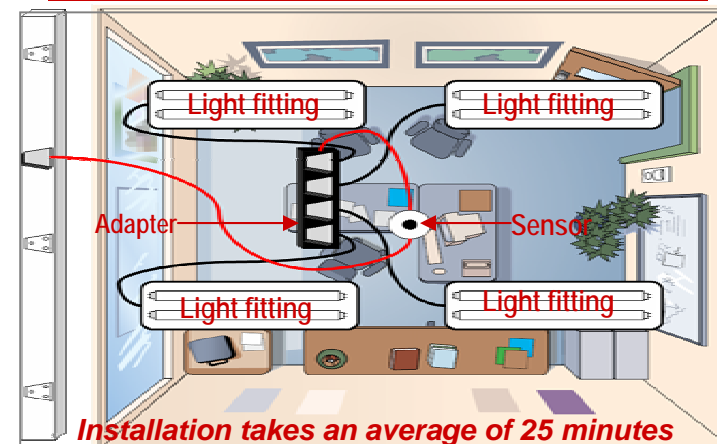
### **There are three mounting forms:**

- Ceiling Mounted
- Wall Mounted
- Wall Switch Mounted



**Dbn: 031 274 1050 CT: 021 532 5360**  
**RB: 035 797 4866 Jhb: 011 397 7936**  
**www.magnetgroup.co.za**

## HOW IS THE SENSOR INSTALLED?



1. Light fittings plug into the adapter.
2. The sensor plugs back into the same power in the ceiling.
3. Plug & Play

## BENEFITS OF USING AN OCCUPANCY SENSOR:

- Lighting retrofit eliminates the fire hazard of old magnetic ballasts
- Increased property value due to energy efficient buildings.
- More attractive rental for outside companies due to energy efficient office space.
- Eco-friendly for environmentally conscious companies.
- Increased savings in energy costs with each Eskom price increase.
- Sustainable energy savings for the life of the building.
- Lower peak demand - some lights will be off at all times as everyone is not there 100% of the time.
- Lower consumption - less heat generated by the lights resulting in less work for the air-cons.
- Longer lamp life & fewer lamp changes - a threefold increase in the time between lamp changes.
- Reduced maintenance costs - longer time between lamp changes.
- Increased security – if there is no motion there are no lights. Cameras only record motion.

# OCCUPANCY SENSORS

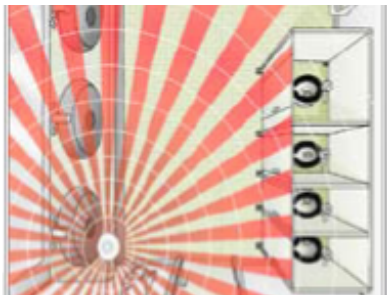
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## EXTENDED & STANDARD RANGE SENSOR CEILING MOUNT

**CMR-PDT Series**

### Features:

- Push-Button Programmable
- Green LED Activity Indicator
- No minimum Load Requirements
- 100 hr. Lamp Burn-in Timer Mode
- Time Delay: 30 sec. to 20 minutes
- Self-contained Relay, no power pack needed
- Patented Dual Tech with PIR / Microphonics Detection



### EXAMPLE: RESTROOM

- Senses in partitioned spaces
- Controls lighting and fan
- Voice reactivation for added safety

## EXTENDED AND STANDARD RANGE SENSOR CEILING MOUNT

**CMR-9 Series**

### Features:

- Green LED Activity Indicator
- No minimum Load Requirements
- 100 hr. Lamp Burn-in Timer Mode
- Time Delay: 30 sec to 20 minutes
- PIR Occupancy Detection
- Self-Contained Relay, no Power Pack needed



### EXAMPLE: SMALL OFFICE

- PIR Technology effective in an enclosed unobstructed area
- Best choice for concrete ceiling

## LINE VOLTAGE PASSIVE DUAL TECHNOLOGY WALL SWITCH DECORATOR SENSOR

**WSD-PDT Series**

### Features:

- Green LED Activity Indicator
- No minimum Load
- Intrinsically Grounded
- Three-Way & Multi-Level Switching
- Auto Sensitivity Adjustment (AGC)
- Patented Dual Technology with PIR/ Microphonics
- Patented Bi-Polar Wiring: Interchangeable hot & load wires
- Time Delay: 30sec - 20min selectable in 2.5min increments
- Self contained Relay, no Power Pack needed



## LINE VOLTAGE PASSIVE INFRARED WALL SWITCH DECORATOR SENSOR

**WSD Series**

### Features:

- Green LED Activity Indicator
- No minimum Load
- Intrinsically Grounded *Programmable Edition!*
- Three-Way & Multi-Level Switching
- Small motion detection up to 20ft
- Patented Bi-Polar Wiring: Interchangeable hot & load wires
- PIR occupancy detection
- Time Delay: 30sec - 20min selectable in 2.5min increments
- Self contained Relay, no Power Pack needed



## THE COMMANDING CEILING SENSOR

**IS 360 D TRIO**

### Features:

- 3 highly sensitive infrared detectors
- Uninterrupted all round detection of areas as large as 350m<sup>2</sup>
- Beneath ceilings, porches, carports and balconies.

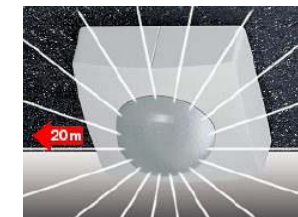


## THE COMMANDING CEILING SENSOR

**IS 3360**

### Features:

- Ceiling up to 4m in height
- Highly sensitive
- Basic reach of 20m
- 360° coverage angle



FULL CATALOGUES  
 AVAILABLE ON REQUEST