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Industrial Sensing Solutions



*Use Electricity Smartly*

*Use Motion Sensor.*

## Motion Sensor

A Motion Sensor will actually switch off the lights when no one is present and switch it on as soon as somebody enters,

## Working Principle

Motion Sensor senses the motion of a human body by the change in surrounding ambient temperature when a human body passes across. Then it turns on the lighting load to which it is connected. The lighting load remain on until it senses motion. Once the motion is seized it switches off the lighting load. During night, the LUX adjustment knob allows you to adjust the luminosity based on which the lighting load will either switch on/off automatically.

### Ceiling Model

- ⚡ Rated Voltage : 230V AC 50Hz
- ⚡ Load Wattage: Max. 1500W (incandescent bulb)  
Max. 300W (fluorescent lamp)
- ⚡ Detection Area : Max. 6 feet radius
- ⚡ Detection Angle : 360° around
- ⚡ Time delay: From 10±5 seconds to 4±1 minutes adjustable
- ⚡ LUX Control Level : From daytime to darkness adjustable
- ⚡ Protection Class : IP44



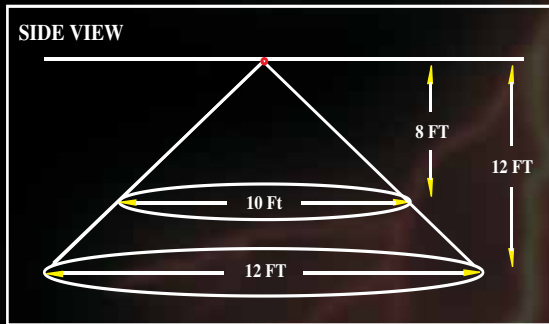
### Wall mounting Model

- ⚡ Rated Voltage : 230V AC 50Hz
- ⚡ Load Wattage: Max. 1000W (incandescent bulb)  
Max. 300W (fluorescent lamp)
- ⚡ Detection Area : Max. 14 feet
- ⚡ Detection Angle : Max. 120°
- ⚡ Time-delay: From 10±5 seconds to 4±1 minutes adjustable
- ⚡ LUX Control Level : From daytime to darkness adjustable
- ⚡ Protection Class : IP44

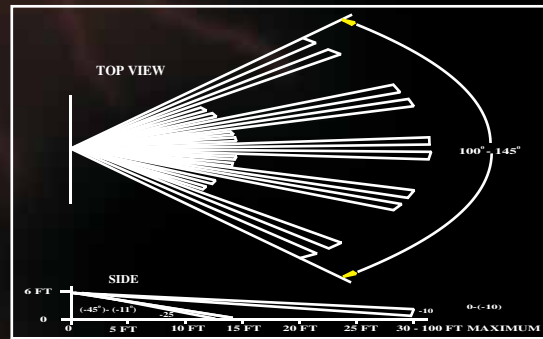


### Pir Coverage Pattern

#### CEILING MOUNTED



#### WALL MOUNTING MODEL



### Limitations

- ⚡ Any obstacles in between the sensor & the target will limit the sensor's coverage area.
- ⚡ Any kind of moving object will trigger the sensor

### Applications

- ⚡ Common toilets, for lights & exhaust fans
- ⚡ Common staircases
- ⚡ For parking lights
- ⚡ For garden lights
- ⚡ For changing rooms in shops
- ⚡ For corridors
- ⚡ And many more

### Cost Effectiveness

- ⚡ One year warranty.
- ⚡ No accessories required.
- ⚡ Very easy installation.

## Saving Analysis of staircase Light

Sr. No.	For Staircase	Residential Meter		Commercial Meter	
		W/O PIR	With PIR	W/O PIR	With PIR
1	Cost of electricity per Unit	4.5	4.5	8.5	8.5
2	'On' hours of Tube light	12	3	12	3
3	Power consumption of 40 W tube light	57	57	57	57
4	Total Consumption in Watts	684	171	684	171
5	Number of days	30	30	30	30
6	Total units used by tube light	20.52	5.13	20.52	5.13
7	Amount paid per month	92	23	174	43
8	Saving per tube light		69		131

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