

OCCUPANCY DETECTOR

ENERGY SAVER

[PIR - MOTION SENSOR]



Model - CC9E



Model - CC9B

A PIR will actually switch OFF the lights when no is present and switch ON as soon as somebody enters. A PIR Sensor is a Passive Infrared Sensor which controls the switching on/off of the lighting load when it detects a moving target.

The built in sensor turns on/off the connected lighting load when it detects motion in the coverage area. It has different working principle during the day time and the night time.

During the day, the built in photocell sensor saves electricity by deactivating the lighting load connected to the sensor.

During the night the connected lighting load is turned on by adjusting the luminosity knob (LUX).

An adjustable time knob lets you select how long the light stays on after activation.

Working Principle

The PIR 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 the night, the LUX adjustment knob allows you to adjust the luminosity based on which the lighting load will either switch on/off automatically

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



Manufactured by :

Cogent Controls

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SAVINGS CHART FOR SAVINGS WITH ENERGY SAVER OCCUPANCY SENSOR - OCS

Sr. no.	Residential meter	W/o PIR	With PIR
1.	Cost of electricity per kw	5.6	5.6
2.	Operational hours of passage tube lights	12	3
3.	Power capacity of tube light in watts	57	57
4.	Total consumption in watts	684	171
5.	Number of days	30	30
6.	Total power used by one tube light in kw	20.5	5.13
7.	Amount paid per month	115	29
8.	Savings per month per tube light		86

Sr. no.	Commercial meter, malls and multiplexes	W/o PIR	With PIR
1.	Cost of electricity per kw	10.5	10.5
2.	Operational hours of passage tube lights	12	3
3.	Power capacity of tube light in watts	57	57
4.	Total consumption in watts	684	171
5.	Number of days	30	30
6.	Total power used by one tube light in kw	20.5	5.13
7.	Amount paid per month	215	54
8.	Savings per month per tube light		161



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