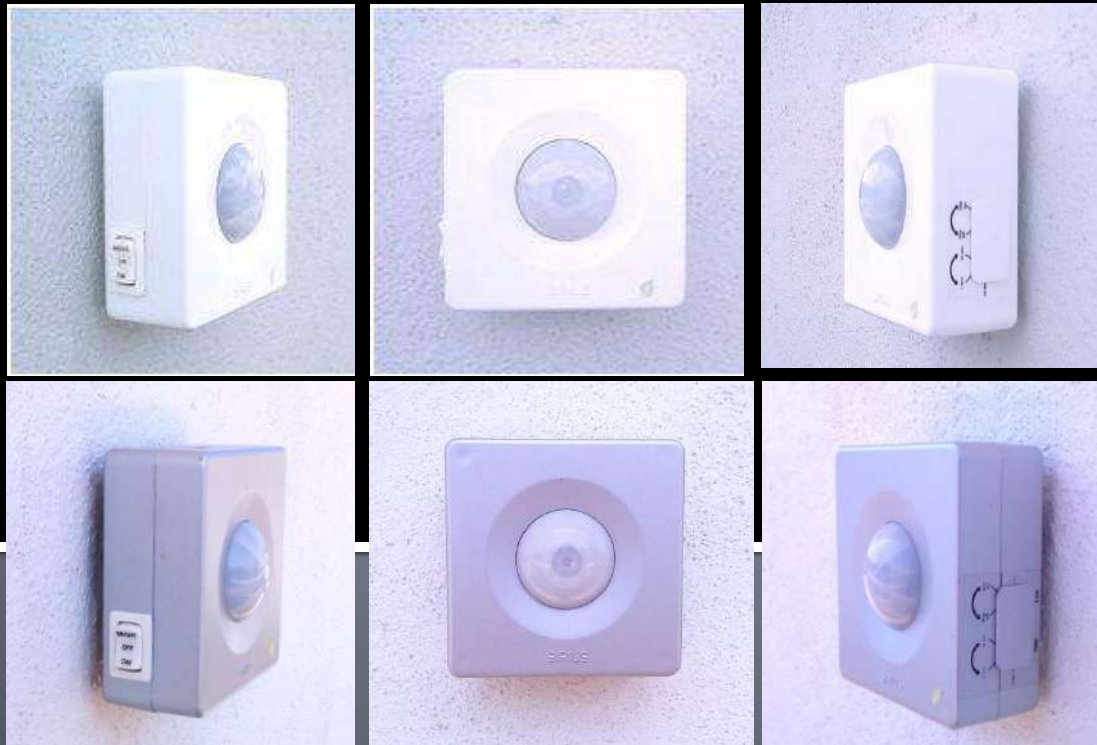


Is Installing the SIRIUS Occupancy/Motion/PIR sensor a necessity?



Value addition to Building

- Increased property value by the installation of SIRIUS Occupancy sensors.
 - Increase in input costs incurred by builder in installing SIRIUS motion sensor light switches is 0.1 %
 - Addition to property value is more than 400 % (James et al, SCI LA architecture institute).
- Promotes property to “premium” category.
- Satisfies requirements for GBC (Green Building Certification) compliance

Electrical Energy Savings

						Without Occupancy sensor	With Occupancy sensor
1. Total Power capacity of power fixture in (Watts)						1000	1000
2. Operational hours of fixtures in restrooms[Reference 1 - 60% of time lit and unoccupied] in (Hours)						14.4	3
3. Total electricity consumption per day in (Watts)						14400	3000
4. Self average power consumption of sensor per day in (Watts)						0	19.2
5. Number of days in a month						30	30
6. Total power consumed in (kW)						432	90.576
7. Avg Cost of electricity per kW in (Rupees)						5	5
8. Cost of electricity per month						2160	452.88
Monetary Savings per month	=						₹ 1,708.00
Electricity savings per month	=						79%
Reference: Von Neida B, Manicca D and Tweed A, "An analysis of the Energy and Cost Savings Potential of Occupancy Sensors for Commercial Lighting Systems", IES paper#43							

Indian Green Building Council (IGBC)

- Installation of lighting controls such as the SIRIUS Occupancy/Motion – Daylight sensor earns credits of up to one point as per IGBC Green building certification system %.