

Occupancy Sensors + Light Level

- meets energy codes
- sustainable building design
- economic savings
- security purpose & concern
- retrofit & new construction

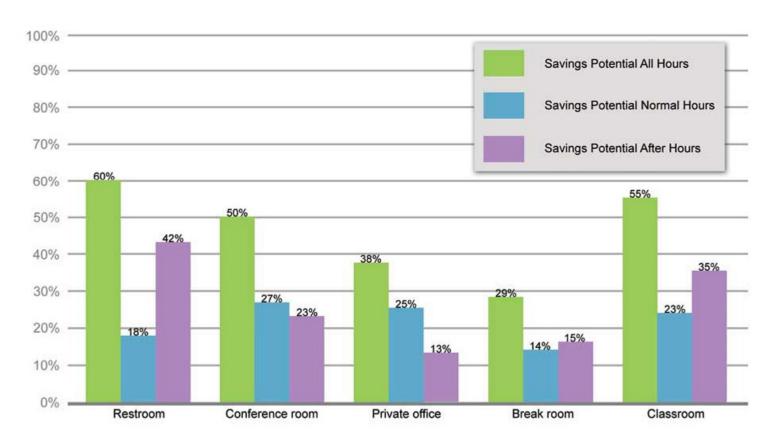




Potential Energy Savings by Application Type



In 1997, researchers studied energy savings potential for occupany sensors in buildings in 24 states representing a cross-section of commercial building types*. The study monitored occupancy and the number of hours the lights were on in 158 rooms, including 37 private offices, 42 restrooms, 35 classrooms, 33 conference rooms and 11 break rooms. Potential energy savings for these spaces types were calculated as follows.



Conclusion:

People do not occupy spaces for a large percentage of time, and are not diligent about controlling the lighting in their spaces both during the workday, and after hours and weekends. This applies to both public spaces as well as personal spaces.

References:

Bill VonNeide**, Dorene Maniccia*, Allan Tweed*, "An Analysis of the Energy and Cost Savings Potential of Occupancy Sensors for Commercial Lighting Systems", *Lighting Research Center, **U.S Environmental Protection Agency (ENERGY STAR Buildings Program)











Reduce Carbon Footprint

Where Should Occupancy Sensors Be Used?



Occupancy sensors are the most effective to unpredictable traffic of occupant. Control lighting based on space occupancy, ON when space is occupied and OFF when space is vacant.

Application Types

- Restrooms
- Stairwells
- Hallways
- Libraries
- Lunch & break rooms
- Office rooms
- Stockrooms & storage
- Warehouses
- Open office spaces
- Lobbies
- Classrooms
- Utility rooms
- Conference or meeting rooms
- Gymnasiums
- Banquet rooms

Facility Types

- Offices
- Schools
- Warehouses
- Health care
- Retail
- Government
- Hotels
- Athletic facilities
- Financial services
- Industrial buildings
- Correctional facilities
- Houses of worship
- Hospitals

Operation Benefits









Touch-free operation increses hygiene

Cost-effective energy saving control

Automatic switching for sterile areas

Comfort and safety for occupants

The contained within this brochure are general information of understanding, do not constitute the extend of our product range. If you require further specifications or are unsure as to the suitability of a product for your particular application, please contact the GESA representative.

** All data in this brochure is subject to change without notice.

Compliance & Marking



