

## OCCUPANCY SENSORS FOR INDOOR LIGHTING

Installing occupancy sensors on your indoor lighting could save up to 70 percent on your lighting energy costs and earn rebates.

Sensors automatically control lighting based on occupancy to save your energy dollars.

Up to 40 percent of a typical business's monthly power bill goes toward lighting. Most businesses pay for wasted lighting of unoccupied spaces. Occupancy sensors are a proven technology that uses either passive infrared (PIR) sensors or ultrasonic sensors (US), turning on lighting when rooms are used and turning off lighting when rooms are empty. Customers can expect savings up to 70 percent of lighting energy used depending on the type of space controlled.

### Reasons to upgrade:

- Reduce wasted energy
- Save up to 28 percent in total electric costs (assuming lighting is 40 percent of typical business electric bill)
- Intuitive system runs itself

### Incentive and savings example:

An office space of 10,000 square feet, or 250 4-lamp F40 fixtures (based on 192 watts per fixture and 2,080 hours of operation), would need approximately 9 wall-mount and 32 ceiling-mount sensors. Assuming 30 percent reduction in hours of use, the sensors would save approximately \$2,097 a year and, with the estimated \$2,400 rebate, achieve a simple payback of less than two years.

Contact your Duke Energy Advisor for further details.

877.372.8477 or [fl.bec@duke-energy.com](mailto:fl.bec@duke-energy.com)



### Incentive requirements:

1. Call Duke Energy for a required, FREE Business Energy Check.
2. Manual override must offer the ability to turn lights off when space is occupied.
3. Occupancy sensors shall be installed in accordance with the manufacturers' recommendations and specifications.
4. Wall box and wall- or ceiling-mounted sensors must be hard-wired and control interior lighting fixtures.
5. Plug load occupancy sensors do not qualify.

Rebate may not exceed 50 percent of total project cost.

All required documentation must be submitted to your Energy Advisor within one year of the date of the invoice or Certificate of Occupancy.

Other requirements do apply.

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