BUSINESS ✓Retrofit ✓New Construction

OCCUPANCY SENSORS FOR INDOOR LIGHTING

Installing occupancy sensors on your indoor lighting could save up to 30 percent of your lighting energy cost and earn rebates of $10 to $20 per sensor.

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 depending on the type of space controlled.

Reasons to upgrade:

- Reduce wasted energy
- Save up to 70 percent of lighting energy used
- 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, would need approximately nine wall-mount and 32 ceiling-mount sensors. Assuming 30 percent reduction in hours of use, the sensors would save approximately $2,500 a year and, with the $730 rebate, achieve a simple payback of 2.46 years.

Incentive requirements:

1. Call Progress Energy Florida, Inc. for a free Business Energy Check and for a free consultation on your new construction.
2. New construction incentives:
   Customer must provide:
   - Only for applications not already required by State Energy Code (2006 Supplemental of the 2004 Florida Building Code, Section 13-415.1.ABC.1.1).
   - Lighting calculations for the Florida Energy Code must be submitted for final building drawings.
   - Must be sensors approved by Underwriters Laboratories (UL).
3. Manual override must offer the ability to turn lights off when space is occupied.
4. Occupancy sensors shall be installed in accordance with the manufacturers' recommendations and specifications.
5. Only passive and/or ultrasonic detectors are eligible.
6. Wall box and wall- or ceiling-mounted sensors must be hard-wired and control interior lighting fixtures.
7. Plug load occupancy sensors do not qualify.

Other requirements do apply.
Visit savethewatts.com for more details.

1.877.372.8477
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Progress Energy

SAVE THE WATTS BUSINESS | Programs at a glance

Progress Energy Florida energy-efficiency programs

Progress Energy Florida (PEF) has a dedicated team of energy-efficiency experts ready to help businesses integrate energy-saving systems into both existing and new construction. A comprehensive list of our energy-saving programs is below. Please contact your PEF auditor to see if you qualify for these money- and energy-saving programs.

Building envelope improvements

- Cool roof
- Ceiling insulation upgrade
- Green roof
- Roof insulation upgrade
- Window film or screen

HVAC equipment improvement

- Air-cooled and water-cooled electric chillers
- Heat pumps
- Packaged terminal heat pumps
- Unitary AC and heat pumps
- Thermal energy storage

HVAC-system-related improvements

- Demand control ventilation (DCV)
- Duct test
- Duct repair
- Energy recovery ventilation (ERV)
- PTAC steam cleaning
- Rooftop unit recommissioning

Indoor lighting improvements

- Efficient indoor lighting
- Occupancy sensors

Industrial energy improvements

- Efficient compressed air system
- Efficient motors

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