



FEATURES

- ✓ Detects sleeping guests
- ✓ Adjustable "switch on" timer
- ✓ Ultra-sensitive and reliable
- ✓ 40 x 40 m (140 x 140 ft) standard coverage
- ✓ Over 1260 sq ft coverage
- ✓ Surface, corner, flush, or swivel bracket-mounting
- ✓ Unique visible pattern locator

SPECIFICATIONS

OPTICAL

Standard Lens:

E-15 provides a 100° 38 x 38 m (125 x 125 ft) coverage pattern consisting of 58 beams in 3 detection layers

Interchangeable Lenses: E-15, E-34, E-18, E-52, E-51. Refer to lens library for complete description

Adjustment:

Vertical +10° to -20° calibrated scale; Horizontal up to 30°

ELECTRICAL

Voltage: 12 - 28V DC / AC

Current Drain: 45 mA max (relay energized), 7 mA max quiescent current

Relay Output: Form C contacts (Normally Open, Normally Closed), rated 5A resistive/24V DC

Relay "ON" Timer: Adjustable

LED: Walk-test (switchable)

Testing Facility: Diagnostic test point

Detector: Dual-element low-noise pyroelectric sensor

Sensitivity Control: Adjustable, up to 2.5 times normal range

PATENTS

US, Canada 04 757 2836; 4,604,524 & Des. 286,383

INTERFACE WITH

120V, 208V, 240V, 277V, 347V system

Fan Coil Units

Most heat pumps

PTAC (Packaged terminal air conditioner)

2-pipe systems

4-pipe system

Electric baseboards



**SOME LIKE IT HOT, SOME LIKE IT COLD,
WE PREFER IT OFF!**



PRESENTING ENERGEX POWER SAVER SYSTEMS
FOR THE INTELLIGENT HOTELIER...



Energex Real Time Occupancy System

At Energex we constantly think about new ways to help you improve your business. Our recently launched Energex Real-Time Occupancy System turns our standard energy management system into a powerful information-based tool for improving hotel management. Now you can harness the power of our systems to put real-time room occupancy status into the hands of your staff.

- Eliminate disturbance to guests – Perform housekeeping duties around the guests instead of 'surprising' them.
- Streamline staff efficiency by directing them to unoccupied rooms
- Enhance guest privacy and experience.
- Enhance security by detecting occupancy in unsold rooms and facilitate quick evacuation during emergencies .
- Easy integration to PMS systems
- Eliminate repeat visits to rooms where the guest forgot to remove the "Do not disturb" sign.



Energex Inc. 911 – 6081 No. 3 Rd. Richmond, BC V6Y 2B8 Canada
Telephone: 604 214 7810 Fax: 604 214 7814 Toll Free: 1 866 787 1836
<http://www.energexinc.com>



Some like it hot, some like it cold – We prefer it off!

There are many empty rooms in your property right now with lights, TV's and HVAC systems running. The practice of leaving rooms with electrical systems on needlessly can cost the hotel as much as 20% of its entire electricity budget. The problem is compounded when the costs of parts, maintenance, equipment wear and tear, added humidity and peak charges are factored in.

"Guests often spend less than 50% of the time in their rooms and suites" HVS International, 1999 Report

When it comes to energy conservation, we can be your eyes and ears in every room. Our infrared sensor-based technology detects occupancy and adjusts the room comfort levels accordingly. The sensors can also provide you with real-time occupancy data that is important for better service, detection of unusual patterns of occupancy or even assist you in an emergency evacuation incidents.

"Running an HVAC unit needlessly can cut almost three years off its life" AHMA, 1997 Report



Some words about us . . .

"Rami and the staff at Energex have always taken extra care to provide and support us with great service and work. They work hard, meet schedules and display great attitude."

Johane Thibault, General Manager, Holiday Inn, North Vancouver

"Energex has been working on our properties since 1992. Since then we have been very pleased with the service and the level of professionalism they provide. Energex pays close attention to the needs of hoteliers and their guests. They are warmly recommended to anyone."

Karen McKenzie, General Manager, Best Western, Exhibition Park

"The Energex team has worked for our property for the past six years. They always worked with care, pride and attention to quality. They demonstrate care for the needs of the hotel and its guests and they worked hard to perform great installations"

Mike Harris, Chief Engineer, Delta Pacific Hotels and Resorts

"Energex has proven to be a valuable partner in our quest for energy efficiency. The staff and management perform their job with a high degree of care and respect to the needs of our hotels. Energex will be a welcome part of any future project which we will undertake. I will not hesitate to recommend Rami and his staff to any hotelier looking to improve their bottom line."

Karim Amersi, President, Amoco Hotels

Typical Occupancy Pattern



Most sold hotel rooms are typically occupied about 52% of the time, clearly there is no need to heat and cool rooms which are unoccupied almost half the time.

System Payback and Typical ROI Schedule

100 room Midwest Property*

Annual HVAC costs before installation:	\$34,200.00
Annual HVAC costs after installation:	\$20,520.00
Net annual savings:	\$13,680.00
System cost:	\$11,800.00
Payback period (months):	10.35
R.O.I.	116%

*Based on \$.06 per Kwhr

Energy Consumption Comparison

105 rm Holiday Inn

