



Features:

- Detects sleeping guests
- Adjustable "switch on" timer
- Ultra-sensitive and reliable
- 40 x 40 m (140 x 140 ft) standard coverage
- Over 1600 Sq ft. effective 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

GENERAL

Operating Temp.: -10°C to 50°C (14°F to 122°F)
 Storage Temp.: -20° to 60°C (-4°F to 140°F)
 RFI Protection: Greater than 20V/m to 1000 MHz
 Dimensions: 120 x 70 x 48 mm (4-3/4 x 2-3/4 x 1-7/8 in)
 Weight: 140 g (4.5 oz)
 Color: White

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)
 2,3,4-pipe systems
 Gas fireplaces
 Electric baseboards
 Radiant floors



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



**Presenting Energex Power Saver Systems
 for the intelligent hotelier . . .**





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.

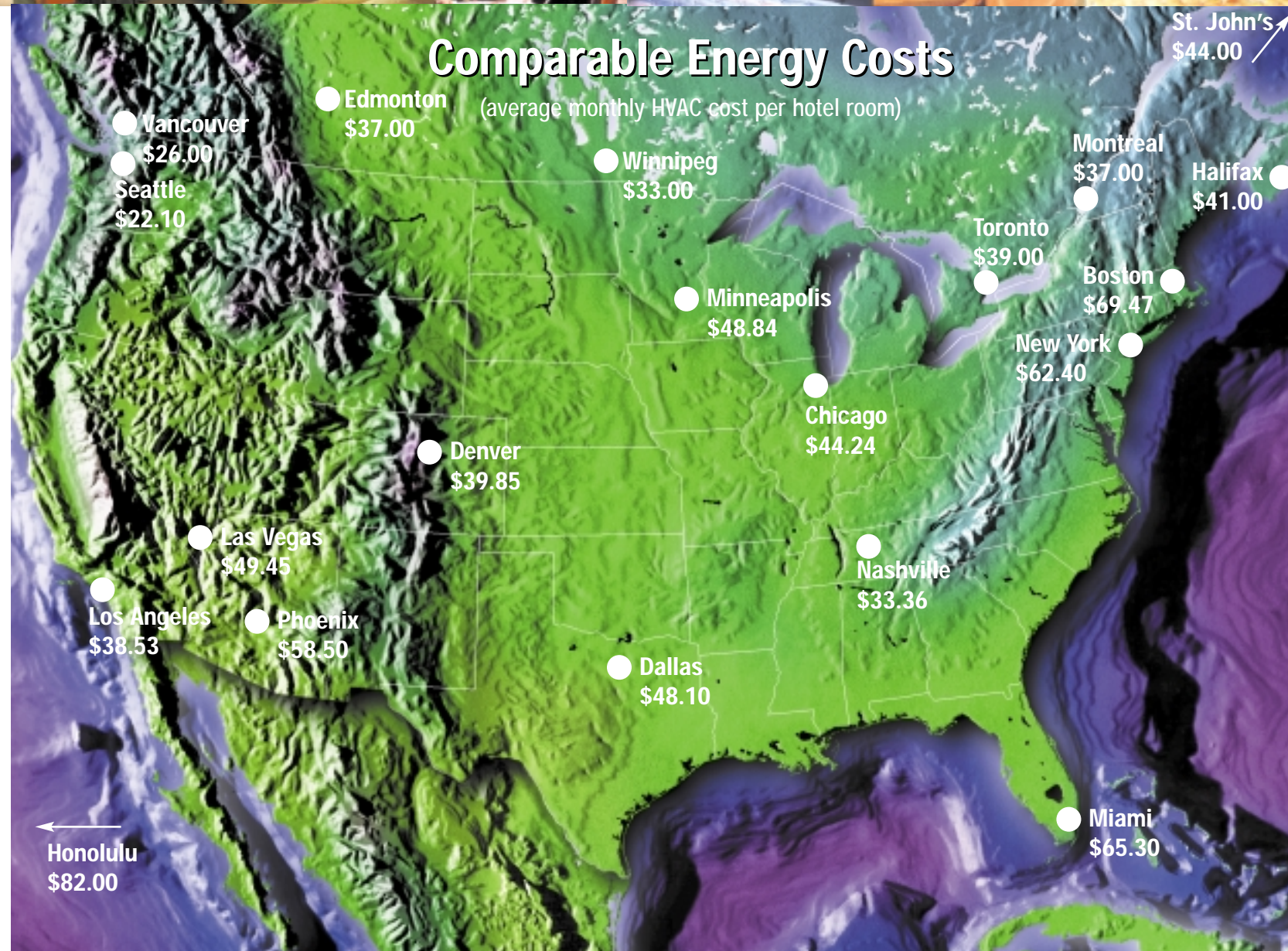
“Guests often spend less then 50% of the time in their rooms and suites”

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”

AH&MA, 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

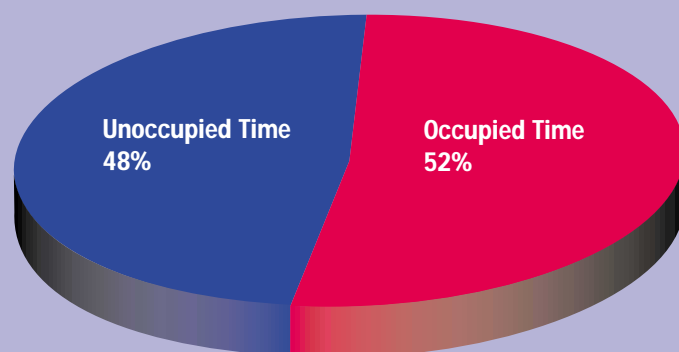
“The Energex team has worked for our property for the past six years. They always worked with care, pride and attention to quality. They demonstrate care for the needs of the hotel and its guests and they worked hard to perform great installations”

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 Room 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

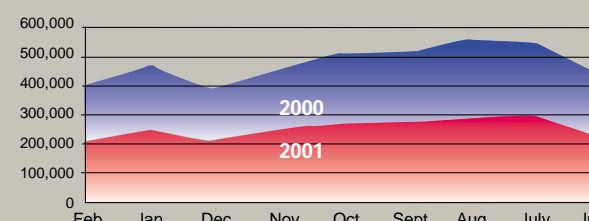
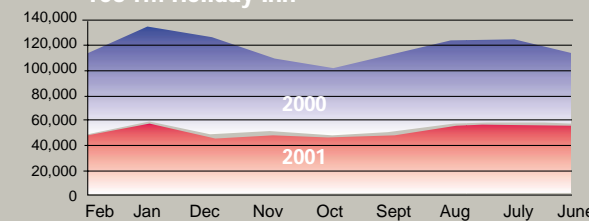
100 room Midwest Property*

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

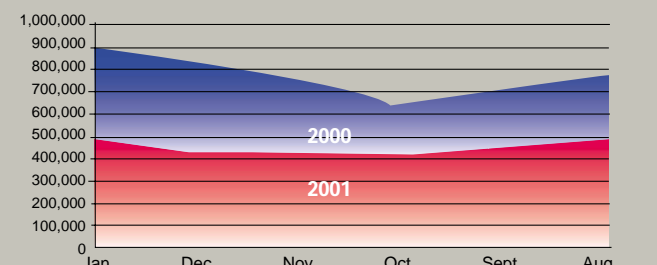
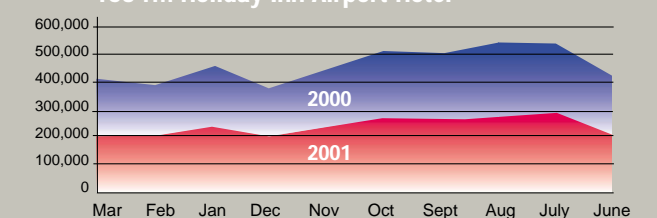
Real world - Real results

105 rm Holiday Inn



185 rm Radisson Hotel

165 rm Holiday Inn Airport Hotel



182 rm Caribbean Resort & Casino