



Higher intelligence to lower your energy costs

HVAC & Lighting Energy Conservation Technology
For Apartments, Condominiums and Dormitories



The perfect solution for hotel suites, condominiums and apartments





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Introduction

- **Intuitous Inc.**
 - Canadian Manufacturer of Energy Conservation Technologies for:
 - Hotels
 - Apartments/Condominiums
 - Commercial/Institutional
 - Both Wireless & Wired Products
 - Saves energy by monitoring the temperature, lighting and occupancy of an area and automatically overrides the heating, cooling and lighting systems
 - Website: www.intuitous.com



The Intuitious Value Proposition

Conserve During Vacancies	Prevent Excessive Use	Lower Equipment Costs	Protect the Environment
<p>Vacant Space SetBack</p> <p>Long Term Setback</p> <p>Night-Time Setback</p>	<p>High & Low Limiting</p> <p>Open Door Limiting</p>	<p>Reduced Runtime Leads to Longer Equipment Life</p>	<p>Reduced Carbon Footprint and reduced consumption of valuable energy resources</p>
			
25 – 35%	5 – 10%	0 – 10%	Priceless

Apartments/Condominiums

- **Mid-Term Retrofit Opportunity**
 - Typical payback in less than 3 years
 - 3rd party financing can be cash-flow positive
- **Challenges**
 - Must not interfere with tenant comfort
 - Technology must be transparent to tenants, yet sophisticated enough to find opportunities to save energy
 - The deployment must not adversely effect the suite's decor
 - Must interface with a very broad array of heating/cooling systems



Deployment

- **Typical 1 Bedroom Apartment**
 - Intuitous Wireless Controller mounted inside the PTAC or Fan-coil unit
 - 2 Intuitous Wireless Sensors mounted on the ceiling & 1 door sensor (optional)
 - Install time: 30-40 minutes
- **Standard Features** (save 25-35%)
 - Temperature Based Heating Setback
 - Temperature Based Cooling Setback
 - Heating and Cooling Limits
 - Long Term Setback
- **Optional features** (save 5-15%)
 - Night Setback
 - Patio Door limits
 - Lighting Control



Wireless Products: Sensors

- **Occupancy Sensor**

- Compact ceiling mount design
- Optimized for human presence detection
- Integrated Light Sensor
- Wireless = Minimal install time and no in-suite wiring
- Ultra-low power: 2-4 yr battery life



- **Door Sensor**

- Designed for Balcony & terrace doors
- Minimal install time and no in-suite wiring
- Ultra-low power: 3-5 yr battery life



Wireless Products: Controller

- Mounts inside HVAC enclosure
- Runs off HVAC power supply
- Receives status from up to 40 wireless sensors
- Connects to HVAC system with plug-and-play wiring harness
- Independent control of Heating, Cooling & Lighting.
- On-board microcontroller enables:
 - Vacant Space Setback
 - Long Term Setback
 - Night SetBack
 - Hi & Low Limiting
 - Open Door Restrictions
 - Lighting Control
- Highly configurable:
 - Can be set from moderate to aggressive savings to ensure occupant comfort is not compromised
 - Configuration is managed via on-board DIP switches





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Next Steps...

Visit our website for additional information
www.intuitious.com

Email us at sales@intuitious.com

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