

# verdant



## eNviro iQ

Advanced Comfort Control and Energy Management for the Hospitality Industry

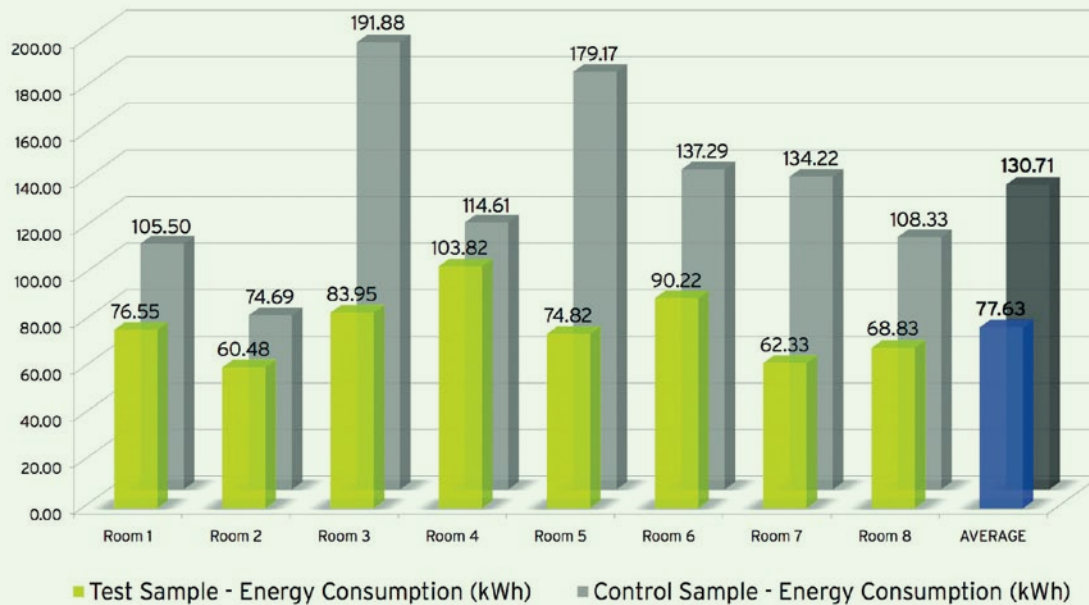


## Intelligence by innovation

**So brilliant, you don't even have to think about it...**

- It knows that you demand unparalleled energy savings.
- It knows that you need to dramatically reduce HVAC operating costs.
- It knows that you can't compromise guestroom comfort.
- It knows that you require effortless installation.
- It knows that your guests expect a simple to use thermostat. Period.

**...and more than anything else,  
it understands that your bottom line...  
is your bottom line.**



**40%** energy savings

Chart data collected on an actual property with a Test Sample of 8 rooms with Verdant eNviro iQ Thermostats and a matching Control Sample of 8 rooms without thermostat energy management.

Data collected from September 18, 2008 to October 30, 2008.



**eNviro iQ**  
Energy saving by choice

# Intelligence by design

Designed specifically for the hospitality industry – not an off the shelf compromise.

Designed with an intuitive touch-screen that redefines both simplicity and capability.

Designed to seamlessly connect – either wired or wirelessly – with your existing HVAC infrastructure.

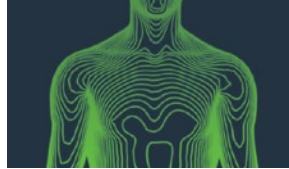
Designed for immediate deployment – installation during high occupancy is no longer a problem.

Designed with an industry first, "INFO" button that displays up to ten (10) customizable pages of property or corporate-specific advertising, promotional or guest room information.

Designed with an integrated occupancy sensor built on "Times-2" technology that provides 100% accurate occupancy detection.

## eNviro iQ Making you smarter by design





## Intelligence by capability

An integrated occupancy sensor built on "Times-2" technology. The built-in occupancy sensor uses a fusion of 2 sensing technologies – motion and thermal. The result: 100% reliable occupancy detection.

Software that thinks the way you do. Its "fuzzy logic" anticipates your guest's needs, with unique configuration options keeping them comfortable while eliminating wasteful HVAC operation.

When communications interruptions are not an option, an inherently secure, wireless frequency-hopping communication system ensures interference-free, data transmission.

Robust, wireless network that delivers "always-on" reliability. Instant data rerouting eliminates any downtime. And when you add more rooms or new properties, there's no problem. The system adapts and grows as your business does.

**OverSee iT.** A comprehensive web-enabled software management option. The perfect partner for monitoring, control and adjustment of each Verdant eNviro iQ Thermostat. Complete statistical reporting; including "energy savings" data is simply a mouse-click away.

With its simple and intuitive ADA compliant touch-screen, the Verdant eNviro iQ Thermostat is a pleasure to operate for you, your staff and your guests. A touch of a finger allows guests to quickly adjust the temperature in precise, 1-degree increments.

## eNviro iQ Genius meets application



# Intelligence by technology

Energy Save mode turns off the fan after each compressor cycle.

Temperature Setback automatically adjusts temperature setpoint when room is unoccupied.

Setpoint Limits prevents guests from setting the temperature to extreme, energy-wasting levels.

Temperature Recovery Rate sets maximum time interval for establishing a comfortable temperature after room vacancy.

Corporate-wide and property specific analysis of daily operations, energy consumption, and alert reports provides management staff with key information to ensure preventative maintenance.

Remote configuration and control, allowing for adjustment and customization as needed without entering each room.

Room by room HVAC status and energy consumption reporting.

Alert status with notifications sent to property management and maintenance staff.

Full dot matrix display, enables virtual buttons to be used to operate the thermostat.

Intelligent Compatibility ensures full interoperability with virtually any hospitality HVAC system – existing or emerging.

Compressor Configuration allows for selection of various climate control units (types) for optimum system integration.

Heat Strip Configuration allows for the full control of the PTAC heat strip module.

Stage-Differentials Settings allow for the adjusting of heating and cooling stage differentials.

Stage Timer Configuration allows automatically initiating the 2nd stage heating if the setpoint has not been reached after a specified time interval.

Scratch-resistant, easy-to-clean thermostat surface and energy management menus make it the ideal choice for any hotel or motel property.

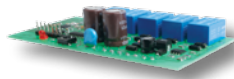
**eNviro iQ**  
**Technology that thinks and works for you**

# system components

PART No.	DESCRIPTION	PART No.	DESCRIPTION
V8-IQ-CC	eNviro iQ Installation Kit for Wireless Installations	V8-IT-CC	eNviro iQ Thermostat for Wireless Installations
		V8-AC-CC	Wireless PTAC Control Card
V8-IQ-WK	eNviro iQ Installation Kit for Wired Installations	V8-IT-WK	eNviro iQ Thermostat for Wired Installations
		V8-UV-WK	Universal Wiring Kit
V8-OL-KT	eNviro iQ Online Connection Kit	V8-OL-SR	Server
		V8-OL-WR	Wireless Receiver
		V8-OL-PR	Programmer



Thermostat  
V8-IT-CC V8-IT-WK



Wireless PTAC Control Card  
V8-AC-CC



Server  
V8-OL-SR



Wireless Receiver  
V8-OL-WR

Programmer  
V8-OL-PR

# verdant

Verdant Environmental Technologies  
5667 Royalmount Avenue  
Montreal, Quebec, H4P 2P9, Canada

+1.514.344.4448  
sales@verdant.info

[www.verdant.info](http://www.verdant.info)

Verdant products and software are protected by copyright, international treaties, and various patents including one or more of the following US patents: RE40,437; 7,232,075; 7,185,825; 7,156,318; 7,152,806; 7,145,110; 7,058,477; 7,050,026; 7,028,912; 6,902,117; 6,789,739; 6,786,421; 6,619,555; 6,581,846; 6,578,770; Other patents are registered or pending in the US and various countries around the world.

Verdant Environmental Technologies reserves the right to make changes, without notice, in design or components as progress in engineering and manufacturing methods may warrant. Product appearance may vary. Release 1.0

© Verdant Environmental Technologies 2009 Printed in Canada