

Innovative  
Control  
Solutions



[www.viconics.com](http://www.viconics.com)

## About us



Viconics Technologies Inc. headquartered in Montreal, Canada was founded 30 years ago in the field of industrial process controls. Viconics quickly became a leader in embedded microcontroller-based

technology and later identified a need in the HVAC market sector and developed factory programmed, field-configurable stand-alone PI wall mounted temperature controllers. Over the years Viconics has brought its expertise to the industry, by creating innovative products based upon direct market feedback.

Today, with sales operations in the USA and UK, Viconics has grown its product line to include Network Ready and networked communicating wall-mounted temperature controllers based on open industry standard protocols. These include BACnet®, Lontalk® and Wireless ZigBee® as well as power controls for electric heat, sensors, controllers for humidity and other OEM products.

Our corporate growth is driven by innovation and Viconics continues to invest heavily into research and development. This results in exciting new products and allows us to provide simplified retrofit-friendly automation solutions today and for years to come.

Our products are designed for ease of installation and commissioning, optimized energy savings and improved occupant comfort. Our simplified automation solutions offer our customers and partners, lower total installed costs, improved return on investment and accelerated payback.

## Capabilities



All our products are designed and manufactured in our state-of-the-art research and development facility. Viconics' assembly and manufacturing facility feature flexible SMT lines, automated

optical inspection, 100% product testing, 2D bar coding with advanced job tracking. This combined allows for improved lead times while maintaining the highest standards in product quality, value and service.

Viconics' in-house R&D capabilities allow us to take full control of the product development and qualification processes. These include antenna, CAD, CFD, embedded, hardware, network, RF, software and thermodynamics design with airflow, environmental, humidity and RF chambers, two environmental test rooms as well as rapid prototyping capabilities.



## Simplified Automation

Viconics simplified automation solutions are targeted primarily at the small building and retrofit markets and offer most of the benefits associated with traditional automation systems in a lower total cost package which is easy to install and commission.

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## Network Ready



In spite of rising energy costs and trends towards increased sustainability,

today's stand-alone thermostats are still being installed at approximately a 3 to 1 ratio over networked systems.

Viconics' Network Ready control solutions offer a low cost, future-ready, environmentally friendly alternative to electronic programmable stand-alone thermostats. Viconics' Network Ready technology allows for simple, cost-effective future upgrades when budgets or facilities are ready to accept them. The Viconics VT7000 series controllers can now be easily field-upgraded to industry leading open communication standard protocols including Wireless ZigBee®, BACnet® and Lontalk®. Effective integration into the building automation system of your choice can be achieved with the simple addition of an optional network card.

## ROI is king

Viconics control solutions offer significant advantages over traditional building automation systems for both the small building and retrofit markets. Our simplified automation and open system architecture reduces both risk and total installed costs by reducing the total field labor, required to install and commission, as well as the engineering costs required for the project. The retrofit-friendly design reduces the number of components required when applied to existing buildings. Wireless and Network Ready technology make our solutions future ready and reduce wiring costs. The built-in motion sensor automatically reduces energy consumption for unoccupied zones during occupied periods.



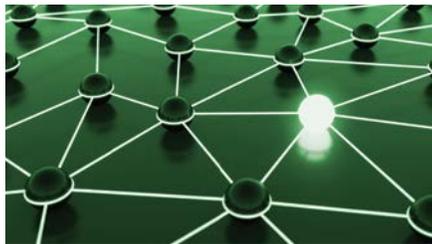
Viconics opens exciting new market opportunities for our partners and building owners with accelerated payback and unmatched ROI!



Configuration and commissioning do not require any custom software or special toolsets and results in reduced total installed cost, improved return on investment, accelerated payback and increased energy savings all while improving occupant comfort.

## Open Systems Solutions

Flexibility is power and Viconics believes that in order to provide the best solution for a given project you should have the option to choose what



system is best suited for it. That is why we have based all our controllers on open network architecture.

With the full line of Viconics terminal equipment controllers you now have the true power to choose any of the leading open communication protocols such as BACnet®, Lontalk® or Wireless ZigBee®. You are no longer at the mercy of the system and flexibility is never compromised.

## Service & Support



Viconics prides itself in providing only the highest level of technical support to all our partners. We provide personal pre-sales application assistance

and technical support to ensure we can fully satisfy all your requirements. We do our utmost to answer any post-sale and installation specific questions quickly and efficiently to ensure that you benefit from the full potential of any Viconics solution.

## Our Products

### Network and Network Ready Controllers

VT7200 - Zone Controller  
VT7300 - Fan Coil Controller  
VT7600 - Roof-top and Heat-pump Controller



### Line Voltage Fancoil Controllers

VC3000 - Line Voltage Relay Pack  
VTR7300 - Terminal Equipment Controller  
Wireless Door and Window Switches



### Wireless Controller Solutions

VWG50 - Wireless Gateway  
Wireless Wall Controllers  
Wireless Option Card for Niagara  
Powered JACE Controller



### Bacnet® and Wireless Zoning Systems

VZ7600 - RTU Controller  
VZ7200 - Zone Controller  
VZ7200 - Zone Controller with PIR



### Power Controllers for Electric Heat

R810 - Solid State Relay with Integrated Heatsink  
R820 - SCR Power Controllers  
1 and 3 Phase  
R850 - Step Vernier Controller



### Humidity Sensor and Controller

VH7200 - Communicating Humidity Controller  
VH20 - Room Humidity Sensor  
VH20 - Duct Humidity Sensor



## Partners



Our products can be purchased from any authorized Viconics distributor or OEM partner:



## Viconics Technology Sites

Viconics technology can be found in thousands of sites worldwide, with over 1,000,000 devices installed, controlling both small and large commercial buildings, reducing energy consumption while optimizing comfort. Some of our sites include:

Aéroports de Montréal (Air Canada Office)	Montreal, QC	Canada
Aaron Rents	National	USA
The Breakers Palm Beach (Hotel)	Palm Beach, FL	USA
Center for Disease Control and Prevention (CDC)	Atlanta, GA	USA
Circle-K	National	USA
Everett M. Dirksen U.S. Courthouse	Chicago, IL	USA
Empire State Building	NY, NY	USA
Fort Bragg	Fort Bragg, NC	USA
Great Lakes Naval Station	Lake County, IL	USA
John Lewis Partnership Headquarters	London	UK
Kempinski Hotel Aqaba	Aqaba	Jordan
Mariott Executives Apartments	Manama	Bahrain
MGM Project City Center	Las Vegas, NV	USA
MSR Hotels PVT. LTD.	Bangalore	India
Nissan North America Inc. Manufacturing Facilities	Sacramento, CA	USA
Nita Lake Lodge	Whistler, BC	Canada
Norwich University	Norwich, VT	USA
Ritz Carlton Hotel	White Plains, NY	USA
Towers Rotana - Dubai	Dubai	UAE
Sun Trust Banks	National	USA
University of Missouri – Columbia	Columbia, MO	USA

## Markets Served

Viconics solutions are designed to serve the following market sectors:

- › Banks
- › Condominiums
- › Education
- › Healthcare
- › Historical Buildings
- › Hospitality
- › Light Commercial
- › Military Barracks
- › Office Spaces
- › Portable Classrooms
- › Retail Spaces
- › Warehouses

## Our Commitment to the Environment



Viconics is committed to a leadership role in contributing to an environmentally conscious global community and takes an environmental stewardship role in both its design and manufacturing processes as well as the energy efficient products and solutions that it provides to its customers.

### Viconics Technologies Inc.

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