The Wireless HVAC Building Network Solution

Leveraging New Wireless Technology
Today, energy efficiency upgrades are recognized as being critical as energy costs continue to rise. Installation costs play a key determining factor with both new or retrofit control systems. Older buildings which are undergoing a retrofit phase are faced with the challenge of having to run new communication infrastructure within the space. This process is a labor intensive and expensive proposal often requiring remodeling. In many cases, budgets will simply not permit such upgrades and the installation of more efficient control systems are therefore postponed. In such cases, buildings retain their older less efficient controllers and continue to pay higher costs for the inefficient energy usage of legacy systems.

The “No New Wires” Wireless Solution
Viconics has specifically designed a simple yet powerful wireless solution which targets such retrofit installations where running new communication wiring is cost prohibitive. Viconics communicating wireless temperature controllers will dramatically reduce project installation costs by re-using the existing control wiring already in place between older electronic thermostats and the terminal equipment. No new network wires are required since the controllers rely on a fully integrated ZigBee® wireless mesh network infrastructure. Both sensor and controller are integrated into one device. Batteries are not required and will never need to be serviced or replaced.

The controllers are also available with an integrated passive infrared motion sensor (PIR) which together with advanced demand based occupancy strategies further optimizes the controller. This provides additional energy savings to unoccupied zones during scheduled occupancy periods.

This new solution opens up exciting new opportunities, which until now had no viable return on investment.

Viconics Wireless Solutions are ideal for:

- Banks and Retail Stores
- Classrooms
- Dormitories
- Hotels & Hospitality
- Office Buildings
- Portable Classrooms
- Small Buildings

Open New Opportunities
Viconics’ wireless temperature controllers provide simple integration into the Niagara AX™ Workbench™ environment using common toolsets. The key strength of the Niagara AX™ software framework lies in its ability to normalize data and behavior between various devices, regardless of manufacturer or communication protocol used. The Niagara AX™ software framework and development environment can now be maximized with the help of Viconics' latest wireless product offering. This opens exciting new opportunities with increased ROI and accelerated payback.

For more information on our wireless control solutions please contact us or visit us at www.viconics.com.
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:

**Viconics Technology Sites**

- **Aeroports de Montreal (Air Canada Office)** Montreal, QC Canada
- **Berks Heim Correctional Center** Reading, PA USA
- **Center for Disease Control and Prevention (CDC)** Atlanta, GA USA
- **Empire State Building** NY, NY USA
- **Everett M. Dirksen U.S. Courthouse** Chicago, IL USA
- **Great Lakes Naval Station** Lake County, IL USA
- **Hudson River Psychiatric Center** Poughkeepsie, NY USA
- **Index Tower** Dubai UAE
- **John Lewis Partnership Headquarters** London UK
- **Kempinski Hotel Aqaba** Aqaba Jordan
- **Kenwood Towers Project** Cincinnati, OH USA
- **Liberty University** Lynchburg, VA USA
- **Mariott Executives Apartments** Manama Bahrain
- **Montreal Manoir Ronald McDonald House** Montreal, QC Canada
- **MSR Hotels PVT. LTD.** Bangalore India
- **Nissan North America Inc. Manufacturing Facilities** Sacramento, CA USA
- **Pioneer Elementary School (EUSD)** Escondido Ca USA
- **Royal Caribbean Cruise Lines Call Center** Portland, OR USA
- **Sun Trust Banks** VA, MD USA
- **University of Missouri – Columbia** Columbia, MO USA
- **Verizon Wireless Retail Stores** Central USA USA

---

Viconics solutions can be purchased from authorized Viconics distributors or partners.