

# Environmental Control Solutions for Educational Buildings

## Energy Management

With the cost of energy steadily rising, energy management has become an important issue for school administrators. Implementing intelligent energy saving strategies that also respect indoor air quality and comfort have become essential from an economical, environmental and health standpoint.

## A Solution that Guaranties Energy Savings and Optimizes Comfort

The Viconics (ABC) Academic Building Controls have been specifically designed to bring simple control solutions to the educational K-12 market without the high cost associated with traditional building automation systems. These communicating wall controllers are supplied pre-programmed, to suit most commonly used applications for lecture halls, classrooms, dormitories, gymnasiums and portable classrooms. They are simple to use and install. Configuration and commissioning do not require any special toolsets or custom software and can be done by electrical or maintenance staff. They are designed to control most HVAC terminal equipment in both new and retrofit applications. They are powerful retrofit friendly upgrades for older mechanical, digital, stand-alone, or programmable thermostats and reduce energy costs while improving ROI with accelerated payback, often in less than 12 months.

A recent study found that approximately 75% of programmable thermostats were operating incorrectly, improperly programmed or were only used in manual mode after two years in service. The Viconics VT7000 series controllers feature an integrated passive infrared motion sensor (PIR) that guaranties energy savings by setting back the temperature automatically to stand-by mode when no motion is detected in a classroom or dormitory. The result is increased energy savings with comfortable classrooms that provide an environment conducive to learning and allow staff and students to function to their full potential and efficiency.

## Network Ready Solutions



Viconics (ABC) Academic Building Controls can now be easily field-upgraded to industry leading open communication standard protocols including Wireless ZigBee®, BACnet® and Lontalk® by simply adding a network card, allowing for effective integration into the building automation system of your choice by your favorite BAS system integrator. The result is a future ready wired or wireless network solution that provides industry leading energy savings requiring very little or no maintenance.

For more information on how our controllers can help you save energy, please contact us or visit us at [www.viconics.com](http://www.viconics.com)



## Innovative Control Solutions



# VT7000 Series Communicating Controllers



VT7300  
Fan-coil unit  
with PIR



VT7200  
Zoning unit



VT7600  
Roof-top unit

## 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:

Calcasieu Parish Public School System	Louisiana	USA
Center for Disease Control and Prevention (CDC)	Atlanta, GA	USA
Everett M. Dirksen U.S. Courthouse	Chicago, IL	USA
Empire State Building	NY, NY	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
Montreal Manoir Ronald McDonald House	Montreal, QC	Canada
New York City Schools	NY, NY	USA
Norwich University	Norwich, VT	USA
The Pennsylvania State University	State College, PA	USA
Ritz Carlton Hotel	White Plains, NY	USA
Suffolk University	Boston, MA	USA
Sun Trust Banks	VA, MD	USA
University of Illinois at Chicago (UIC)	Chicago, IL	USA
University of Minnesota Duluth	Duluth, MN	USA
University of Missouri – Columbia	Columbia, MO	USA

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## Partners

Viconics solutions can be purchased from any authorised Viconics distributors or partners.

