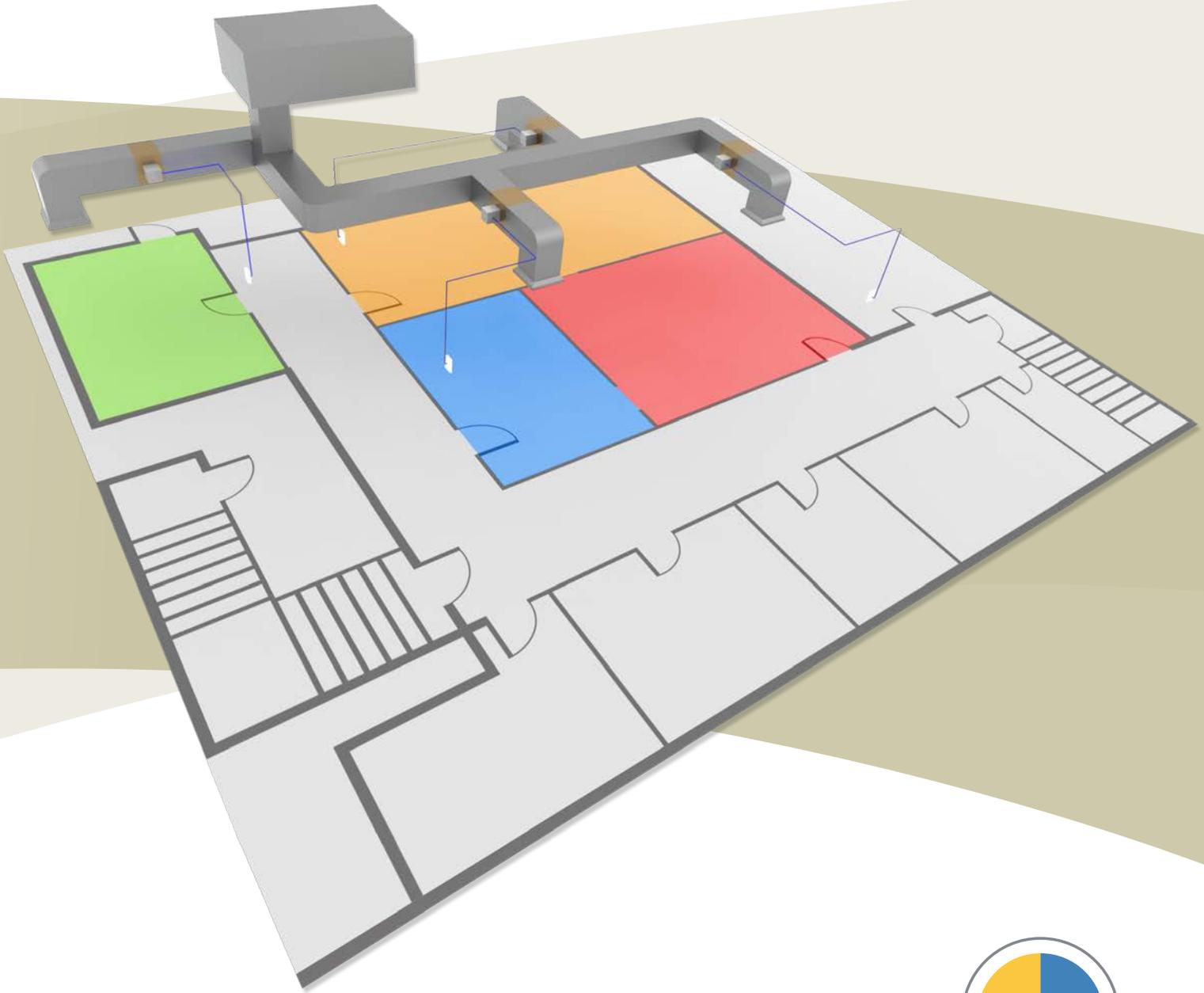




# Introducing the 2<sup>nd</sup> Generation Viconics BACnet<sup>®</sup> Zoning System



## Bringing a Cost-effective, Scalable Zoning System to the Commercial Market



VZ7260 Zoning Controller



VZ7260 Zoning Controller with (PIR) Motion Sensor



VZ7656 Central Controller

The VBZS offers unparalleled flexibility through the use of the open BACnet® communication protocol.

The second generation Viconics VBZS BACnet® Commercial Zoning System has been specifically designed to bring a simple scalable BACnet® zoning system solution to the commercial mid-market without the cost associated with a typical DDC zoning system.

Our zoning system now provides even more flexibility by offering additional functionality and new models covering more applications while still achieving excellent energy savings. The new central models include rooftop and heat pump units controlling analog heat, CO2 levels and indoor air quality in conjunction with zoning controllers that provide floating and analog damper control. The most unique feature of the zoning system is its scalability; a single central controller unit can support up to 64 individual zone controllers.

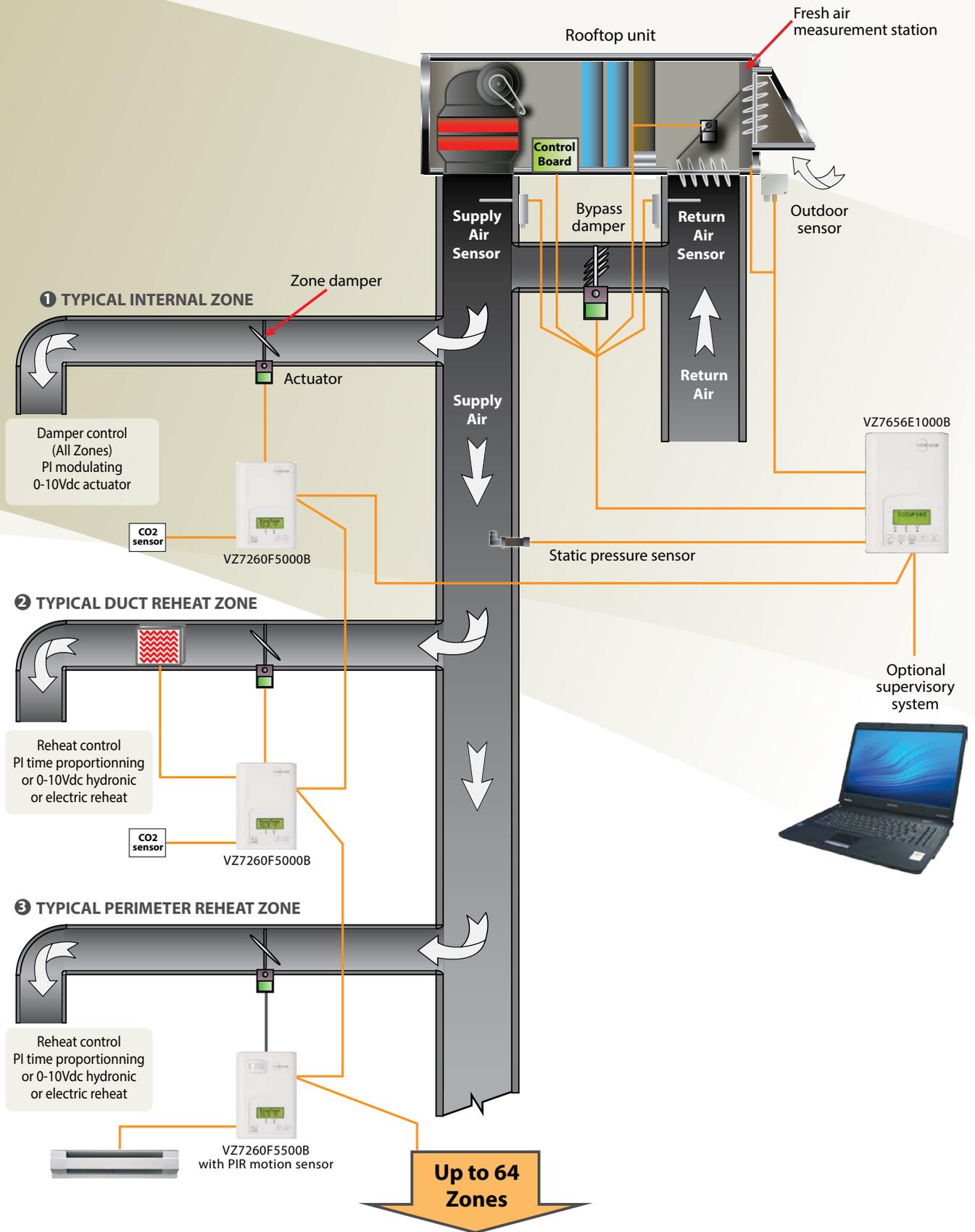
All zone controllers can be ordered with an on-board passive infrared (PIR) occupancy sensor cover that allows for advanced occupancy strategies. This enables the zone controllers to be able to provide even greater energy savings to zones during scheduled occupied events when no occupants are present. This automatic energy-saving feature reduces overall operating costs and accelerates return on investment.

With exceptional system performance rivaling more costly and complex programmable automation systems, the VBZS can be installed at a fraction of the total cost of a comparable system. System installation, setup and commissioning have been simplified by eliminating the need for additional external commissioning equipment or tools. All required testing and configuration including addressing and zone-weighting is accomplished using the easy-to-read LCD interface provided on all controllers.

Moreover, since no other programming tools are required, mechanical service technicians can quickly and easily install and service the system without costly support from other controls vendors.

The VBZS offers unparalleled flexibility through the use of the open BACnet® communication protocol. The system can also be complemented with your choice of BACnet® controllers or graphical workstation software. BACnet® object mapping can also be accomplished seamlessly without the need for any complex programming tools.

# BACnet® Commercial Zoning System



# Getting You Closer to LEED Certification

By installing the Viconics Zoning System in your building, energy required to render the space comfortable will be used more efficiently when compared to buildings using conventional control systems. Operating costs will be reduced and an overall healthier work and living environment will be achieved.

With LEED certification becoming more prevalent in today's new and existing commercial buildings, the Viconics BACnet® Zoning System now offers the added advantage of bringing your building one step closer to attaining the credits required for LEED certification.

The Viconics BACnet® Zoning System can help in attaining indoor environmental quality credits when used in conjunction with third-party CO2 sensors and a fresh air measurement device. The IAQ Controller can monitor

indoor air quality, provide CO2 demand-based ventilation, fresh air measurement and control. It also offers embedded free cooling economizer control, ensuring that cooling energy efficiency is optimized.

When used with central scheduling, the optional PIR motion sensor with occupancy logic based on actual occupancy detection can also help attain HVAC energy-efficiency LEED credits.

The Viconics Zoning System allows building owners to maintain a healthy environment for their occupants as well as maximize the overall environmental and economic performance of their buildings.

For more information on this and other Viconics control solutions, please visit us at [www.viconics.com](http://www.viconics.com)

Features	Benefits
Best in class system scalability	Can be used in small to large size systems. A maximum of 64 zones can be installed for each central unit controller
Provides DDC type control functionality and accuracy	Delivers the same performance as a full BMS without the higher cost associated with it.
No external software tools required for installation, commissioning or servicing with embedded local HMI utility	Faster learning curve for first time installers. Provides quick, simple installation. No previous experience required
Full line of models offer solutions for a wide range of application	Can be used on various types of systems including typical RTU with various extra required functions as well as heat pump units
Can control IAQ with any typical third-party wall-mounted CO2 sensor	Control of IAQ means healthier and more productive occupants
Controls and measures fresh air with any third-party fresh air measurement station	Meets new IAQ requirements and can assist in achieving LEED credits
Provides embedded free cooling economizer loop	Provides true energy savings with adjustable economizer control loop. Minimum fresh air can be measured and controlled with fresh air measurement station
Built in Network-ready functionality	Allows for future Network functionality along with remote monitoring of all critical system data points for sustainability
Passive infrared sensor (PIR) cover available as either an accessory or factory mounted option	Further energy savings is possible with the use of a local (PIR) cover to automatically detect local occupancy.

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