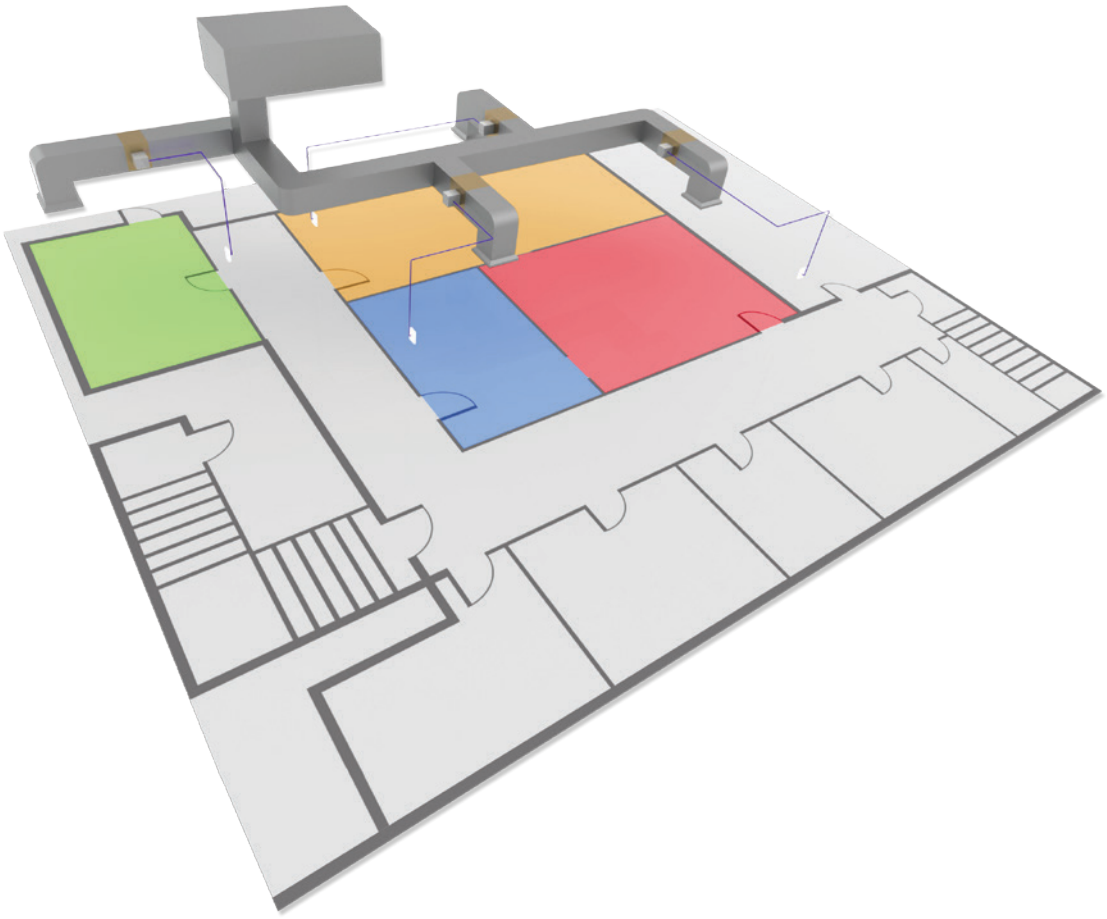
SEZ7000 Series

BACnet commercial zoning system

A cost-effective, scalable zoning system for the commercial market that delivers unparalleled flexibility via the open BACnet® communication protocol.



Schneider Electric

BACnet commercial zoning system

The Schneider Electric™ SEZ7000 BACnet® commercial zoning system is 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 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 analogue heat, CO_2 levels, and indoor air quality in conjunction with zoning controllers that provide floating and analogue 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 rivalling more costly and complex programmable automation systems, the SEZ7000 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.

The SEZ7000 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.

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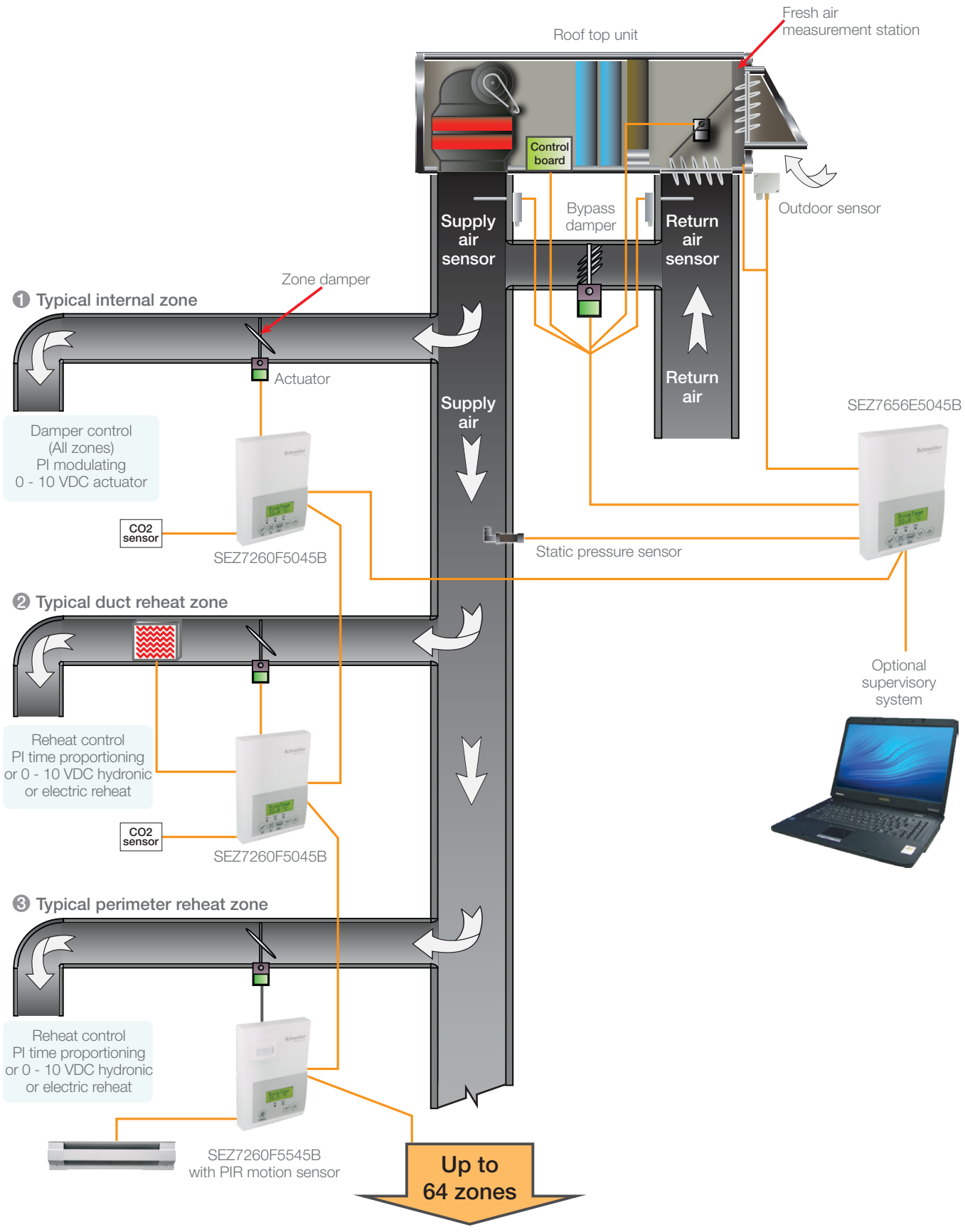
Typical application



BACnet commercial zoning system

Getting you closer to LEED certification

By installing the Schneider Electric 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 Schneider Electric BACnet zoning system now offers the added advantage of bringing your building one step closer to attaining the credits required for LEED certification.

The Schneider Electric BACnet zoning system can help in attaining indoor environmental quality credits when used in conjunction with CO2 sensors and a fresh air measurement device. The IAQ controller can monitor indoor air quality, provide C02 demand-based ventilation, and fresh air measurement and control. It also offers embedded free cooling economiser control, ensuring that cooling energy efficiency is optimised.

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

The Schneider Electric zoning system allows building owners to maintain a healthy environment for their occupants as well as maximise the overall environmental and economic performance of their buildings.

For more information on this and other Schneider Electric control solutions, please visit Schneider Electric on the web at:
http://schneider-electric.com/buildings

Features and benefits

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 applications	Can be integrated with 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 C02 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 assists in achieving LEED credits
Provides embedded free cooling economiser loop	Provides true energy savings with adjustable economiser 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

BACnet commercial zoning system

SEZ7260 Series ordering matrix

SEZ7260 ☐☐☐ 45 ☐

PIR options:
-50 = PIR ready, but PIR cover not included
-55 = Factory assembled with PIR cover

Control output type:
-C = Floating or on/off digital control outputs
-F = Analogue 0 - 10 VDC control outputs

Communication options:
-B = BACnet MS/TP
-W = ZigBee wireless

Example:
SEZ7260F5545B
- Zoning system controller
- Analogue outputs
- Factory assembled PIR cover
- BACnet MS/TP communication

* Some part number configurations may not be available. Please refer to the tables for available versions.

SEZ7656 Series ordering matrix

SEZ7656 ☐ 1045 ☐

Communication options:
-E = 2H/2C IAQ applications
-F = 1H/2C modulating heat applications
-H = 3H/2C heat pump applications
-R = 2H/2C roof top aplications

Communication options:
-B = BACnet MS/TP
-W = ZigBee wireless

Example:
SEZ7656E1045W
- Zoning system controller
- 2H/2C IAQ application
- PIR ready
- ZigBee wireless communication

* Some part number configurations may not be available. Please refer to the tables for available versions.

Please refer to the SE7000 Series - Product Comparison Guide for all available part numbers. The latest SE7000 Series - Product Comparison Guide is available as a pdf document on the web at: **http://schneider-electric.com/buildings**.