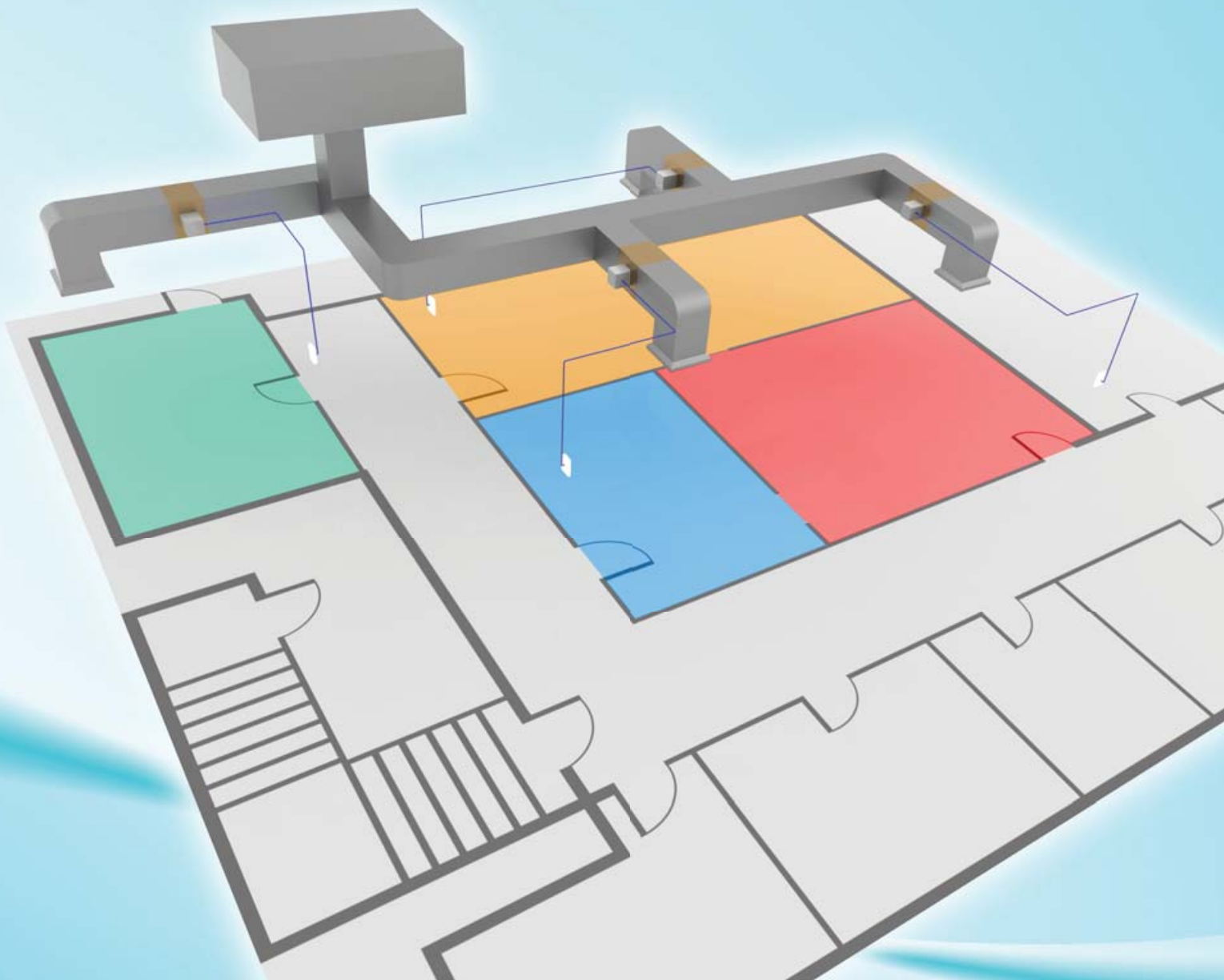




Introducing the VBZS BACnet[®] Zoning System

The Next Generation of Changeover Bypass Zone Control Systems





Bringing a Cost-effective, Scalable Zoning System to the Commercial Mid-market

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



VZ7200F5500B
with PIR
motion sensor

The system is comprised of two main components: the VZ7200 pressure dependent VAV controller and the VZ7656, which serves as a master-scheduler, rooftop unit controller, static pressure bypass controller, and status display via the local LCD user interface. The VZ7200 can be ordered with an on-board PIR (Passive Infra Red) occupancy sensor. The PIR allows for control of demand based occupancy strategies, further optimizing the controller to be able to provide greater energy savings to unoccupied zones during scheduled occupancy periods.

Together, these components work to provide exceptional comfort and system performance rivaling more costly and complex programmable automation systems and can be installed at a fraction of the total installed cost of a comparable system. System set-up, installation and commissioning have been simplified by eliminating the need for separate commissioning equipment or tools. All necessary configuration, addressing, zone-weighting etc., is accomplished via the local LCD interface included on all components of the system. BACnet® object mapping is seamlessly accomplished without the need for complex programming tools.



VZ7200F55000B

The most unique feature of the zoning system is its scalability. A single Roof Top Unit can support up to 64 individual zones.

The VBZS offers owners unparalleled flexibility through the use of the open BACnet® communication protocol. The system can be complimented with your choice of BACnet® controllers or graphical workstation software. Moreover, since no other programming tools are required, mechanical service technicians can quickly and easily service the system without support from other controls vendors.

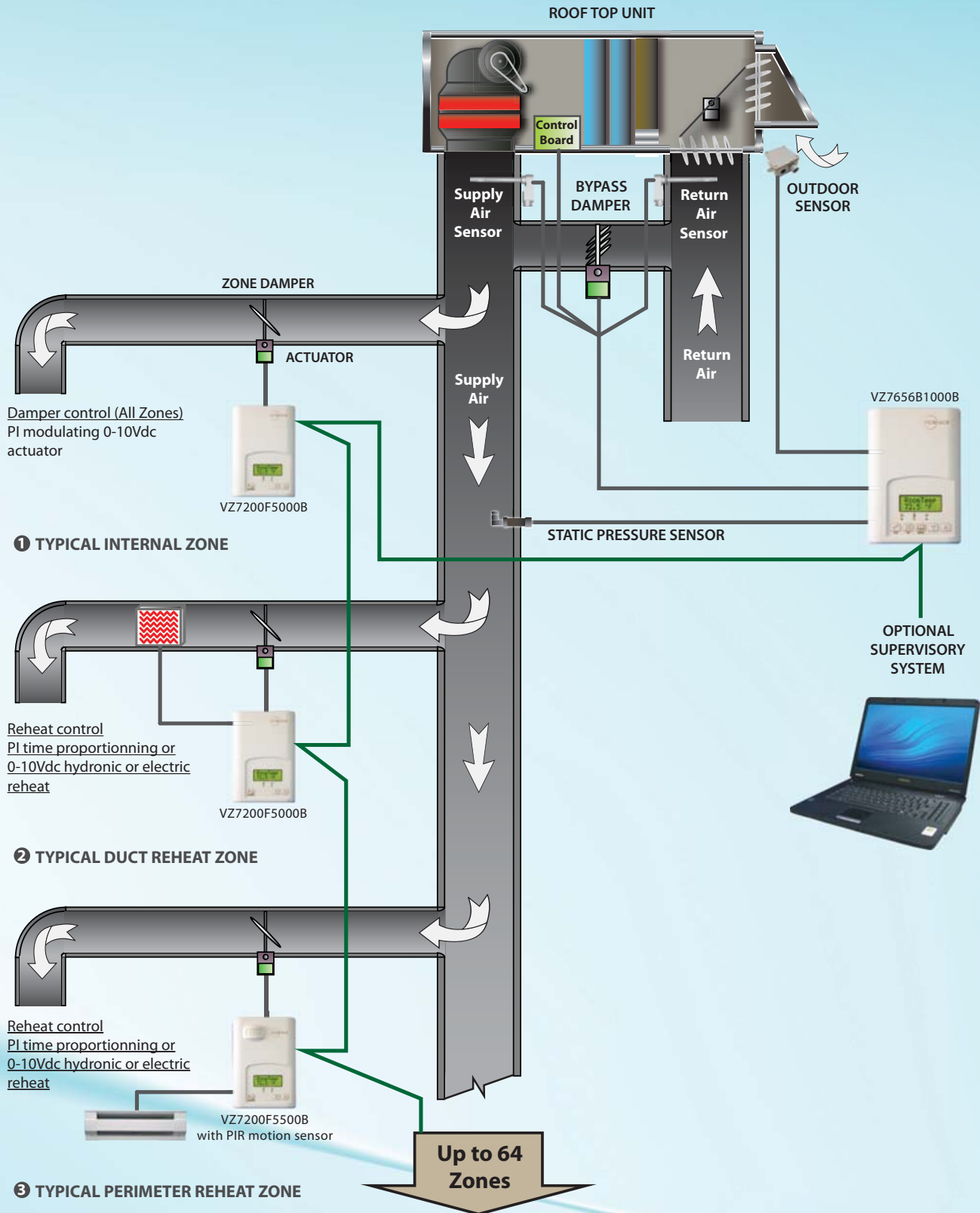


VZ656B1000B

System Features Include:

- Utilizes BACnet® protocol for data exchange allowing the addition of other brands of BACnet® components to be used with the system.
- Real DDC type control functionality and accuracy.
- LCD interface on both zoning and rooftop controllers.
- Uses embedded configuration utility using simple real text configuration parameters.
- Rooftop unit controller features onboard scheduling eliminating need for separate time clock or panel.
- Rooftop unit controller features onboard static pressure controller, discharge and return sensors, and additional monitoring input for most-used applications.
- Zoning controller features PIR motion detector (Passive Infra Red) motion detector capability for energy saving strategies.

BACnet® Changeover Bypass System



Optional Accessories

S2020E1000 Outdoor Air Sensor



The S2020E1000 sensor is used for outside air temperature sensing with the sensor installed directly exposed to the elements. This sensor uses a water resistant NEMA 4 PVC enclosure for outdoor application.

S2000D1000 Duct Mounted Sensor



Designed specifically for the VT7000 series, this sensor includes a plastic probe with flange for trouble-free mounting and an aluminum elbow enclosure for wiring. Perfect for controlling temperature in return or discharge air ducts.

Environmentally Speaking

At Viconics, we are committed to a "leading by example" environmental stewardship role through applying environmentally responsible product design, research and development and manufacturing processes. With this in mind, our pledge is to provide our customers with state of the art environmentally friendly control solutions.

Viconics Electronics, Incorporated

For over 25 years, Viconics Electronics Inc has brought its expertise to the HVAC industry through thoughtful product innovations created based upon direct market feedback. Our products are designed for ease of installation, end customer use, and long product life.

Viconics found its humble beginnings manufacturing micro-controller based industrial process controllers in the mid 1980's.

With the proliferation and growth of electric-electronic control systems, Viconics Inc. identified a market niche, and began development of pre-programmed, field-flexible stand-alone temperature controller with embedded PI (proportional-integral) control logic.

Since then, Viconics has grown its product lines to include unitary control products featuring BACnet®, Lontalk® and Wireless Zigbee® communication capabilities. Viconics continues to focus on the modernization of core humidity, electric heat in addition to an array of OEM specific product lines.

Viconics, headquartered in Montreal, Canada is an ISO9001:2008 certified company with a focus on continuous improvement to product quality, customer service and continuous innovation.

Viconics is also a ISO14001:2004 certified company, taking an environmental stewardship role and manufacturing products which provide energy savings opportunities all while exceeding many of today's stringent worldwide standards.



Viconics Electronics Inc.

9245 Langelier | Blvd. St-Leonard | Quebec | Canada | H1P 3K9 | Tel.: (514) 321-5660 | Fax: (514) 321-4150
sales@viconics.com