

## VZ7000 SERIES

BACnet MS/TP and Zigbee and Models Available



The VZ commercial zoning system has been specifically designed to bring a simple scalable solution to mid-market commercial applications without the cost associated with a typical DDC zoning system. Models include Rooftop and heat pump units controlling analog heat, CO<sub>2</sub> levels, and indoor air quality. Zoning controllers that provide floating and analog damper control are also available. A single central Controller unit can support up to 32 individual zone controllers.

All zoning system controllers can be fitted with an on-board PIR occupancy sensor cover that allows for advanced occupancy strategies, enabling greater energy savings to zones during scheduled events when no occupants are present.

### SPECIFICATIONS

Thermostat Power Requirements	19 to 30 Vac; 50 or 60 Hz; 2 VA Class 2
Operating Conditions	0 to 50 °C (32 to 122 °F); 0 to 95% RH non-condensing
Storage Conditions	-30 to 50 °C (-22 to 122 °F); 0 to 95% RH non-condensing
Temperature Sensor	Local 10k NTC thermistor
Resolution	± 0.1 °C (± 0.2 °F)
Control Accuracy	Temp: ±0.5 °C (±0.9 °F) @ 21 °C (70 °F) typical calibrated
Occupied and Unoccupied Setpoint Range Cooling	12 to 37.5 °C (54 to 100 °F)
Occupied and Unoccupied Setpoint Range Heating	4.5 to 32 °C (40 to 90 °F)
Room and Outdoor Air Temperature Display	-40 to 50 °C (-40 to 122 °F)
Proportional Band for Room Temperature Range Control	Cooling & Heating: 1.8 °C (3.2 °F)
Analog Input	AI4 0-10 Vdc into 10 kΩ resistance min.
Binary Inputs	Dry contact across BI1, BI2 and UI3 to common
Output Rating	30 Vac, 1 A max., 3 A in-rush

### PI time proportioning

PI time proportioning algorithm for increased comfort, accuracy, and energy savings

### Three digital inputs

Three digital inputs for added functionality

### Analog input

One 0-10V input for added functionality

### Local configuration

Unique local configuration utility minimizes parameter tampering

### Occupancy sensor

Models with occupancy sensor available

### Lockable keypad

Tamper resistant, no need for thermostat guards

### APPLICATIONS

- Rooftop zoning unit controller
- Heat pump zoning controller
- Rooftop zoning master controller

Economizer Analog Output Rating	0 to 10 Vdc into 2k Ω resistance min.
Economizer Analog Output Accuracy	±3% typical
Wire Gauge	18 gauge maximum, 22 gauge recommended
Dimensions	4.94" x 3.38" x 1.13" (12.5 x 86 x 30 mm)
Approximate Shipping Weight	0.75 lb (0.34 kg)
<b>WARRANTY</b>	
Limited Warranty	2 years

### AGENCY APPROVALS



UL: 873 (US) and CSA C22.2 No. 24 (Canada), File E27734 with CCN, XAPX (US) and XAPX7 (Canada)

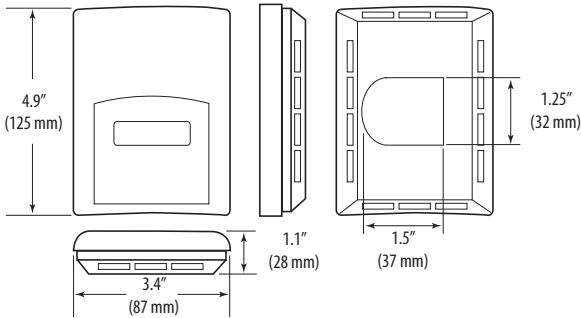
FCC: Compliant to CFR 47, Part 15, Subpart B (US)

Industry Canada: ICES-003 (Canada)

Wireless models:

FCC compliant to Part 15, Subpart C

DIMENSIONAL DRAWING



ORDERING INFORMATION

PART NUMBER	DESCRIPTION	OUTPUT	COMM.
Rooftop Unit Controllers			
VZ7260C5031B	Zone Control 2x Floating - Variable Volume Temp (VVT) Zone	Floating or On/Off	BACnet MS/TP
VZ7260C5031W	Zone Control 2x Floating - Variable Volume Temp (VVT) Zone	Floating or On/Off	Zigbee
VZ7260F5031B	Zone Control 2x Analog - Variable Volume Temp (VVT) Zone	0-10V	BACnet MS/TP
VZ7260F5031W	Zone Control 2x Analog - Variable Volume Temp (VVT) Zone	0-10V	Zigbee

PART NUMBER	DESCRIPTION	COMM.
Commercial Zoning System - Heat Pump Controllers		
VZ7656R1031B	Zone System Control Heat Pump - Variable Volume & Temperature (VVT) Master	BACnet MS/TP
VZ7656R1031W	Zone System Control Heat Pump - Variable Volume & Temperature (VVT) Master	Zigbee