

# VT8000 Room Controllers

## Quick Reference and Product Selector Guide



### VZ8250 Room Controllers Variable Air Volume (VAV)

1	2	3	4	5	6
Applications / Features	Humidity Sensor	Motion Sensor	ZigBee built-in	BACnet MS/TP or Modbus	Room Controller
<ul style="list-style-type: none"> <li>Pressure Dependent (PD)</li> <li>Pressure Independent (PI)</li> <li>PI: 0-10V differential pressure sensor</li> <li>0-10V or floating damper</li> <li>Duct and/or baseboard reheat</li> <li>Automatic changeover (sensor required)</li> <li>Parallel/series duct fan</li> <li>Indoor air quality control (CO2)</li> </ul>	✓	✗	✗	✓	VZ8250U5000B
	✓	✓	✗	✓	VZ8250U5500B
	✓	✓	✓	✓	VZ8250U5500BP

### VT8350 Room Controllers Low Voltage (24 VAC) Fan Coil Unit (FCU) and Zone Control

1	2	3	4	5	6
Applications / Features	Humidity Control	Motion Sensor	ZigBee built-in	BACnet MS/TP or Modbus	Room Controller
<ul style="list-style-type: none"> <li>2 or 4 pipe</li> <li>3-speed digital or ECM fan control</li> <li>Hot/chill water valves</li> <li>Automatic changeover</li> <li>Auxiliary contact output</li> <li>Universal inputs</li> </ul>	✓	✗	✗	✓	VT8350U5000B
	✓	✓	✗	✓	VT8350U5500B
	✓	✓	✓	✓	VT8350U5500BP

### VT8650 Room Controllers Rooftop Unit (RTU), Heat Pump and Indoor Air Quality (IAQ)

1	2	3	4	5	6
Applications / Features	Humidity Control	Motion Sensor	ZigBee built-in	BACnet MS/TP or Modbus	Room Controller
<ul style="list-style-type: none"> <li>Rooftop</li> <li>Heat pump</li> <li>Single fan speed</li> <li>Frost protection</li> <li>Auxiliary contact output</li> <li>Universal inputs</li> <li>Discharge air sensor</li> <li>Outdoor air sensor</li> <li>Remote sensor</li> </ul>	✓	✗	✗	✓	VT8650U5000B
	✓	✓	✗	✓	VT8650U5500B
	✓	✓	✓	✓	VT8650U5500BP
	✓	✗	✗	✗	VT8650U5000N
	✓	✓	✓	✗	VT8650U5500NP

### VTR8350 Room Controllers Line Voltage Fan Coil Unit (FCU)

1	2	3	4	5	6
Applications / Features	Humidity Control	Motion Sensor	ZigBee built-in	BACnet MS/TP or Modbus	Room Controller
<ul style="list-style-type: none"> <li>2 or 4 pipe</li> <li>Up to 3 speed fan control</li> <li>2 Binary inputs (VTR8350)</li> <li>Auto changeover 4 pipe or 2 pipe + reheat</li> </ul>	✓	✗	✗	✓	VTR8350A5000B
	✓	✓	✗	✓	VTR8350A5500B
	✓	✓	✓	✓	VTR8350A5500BP
	✓	✓	✗	✗	VTR8350A5500N

### ZigBee Pro Wireless Sensors

1	2	3
	Description	Wireless Sensor
	CO2/Temperature/Humidity sensors	1. CO2/Temp/Humidity: SED-CO2-G-5045 2. Temp/Humidity: SED-TRH-G-5045
	Wall mounted motion sensor	SED-WMS-P-5045
	Motion/Temperature/Humidity sensor	SED-MTH-G-5045
	Window/Door sensor	SED-WDC-G-5045
	Water leakage sensor	SED-WLS-G-5045

### VC3000

#### Relay Packs for use with VTR8350 Room Controllers

1	2	3	4
Product	Applications / Features	Outputs / Inputs	Relay Pack
	<ul style="list-style-type: none"> <li>2 or 4 pipe</li> <li>Up to 3 speed fan control</li> <li>2 Binary inputs (VTR8350)</li> <li>Auto changeover 4 pipe or 2 pipe + reheat *</li> </ul>	<ul style="list-style-type: none"> <li>On-Off</li> <li>1H/1C</li> </ul>	VC3500E5000
		<ul style="list-style-type: none"> <li>On-Off</li> <li>1H/1C</li> <li>4 remote inputs</li> </ul>	VC3504E5000
		<ul style="list-style-type: none"> <li>On-Off</li> <li>1H/1C</li> <li>4 remote inputs</li> <li>Occ output</li> </ul>	VC3514E5000
	<ul style="list-style-type: none"> <li>Same as above but 2 pipe only or 2 pipe + reheat *</li> </ul>	<ul style="list-style-type: none"> <li>On-Off</li> <li>1H/1C</li> <li>Pulsed reheat</li> </ul>	VC3400E5000
		<ul style="list-style-type: none"> <li>On-Off</li> <li>1H/1C</li> <li>Pulsed reheat,</li> <li>4 remote inputs</li> </ul>	VC3404E5000
		<ul style="list-style-type: none"> <li>Up to 3 speed fan control</li> </ul>	VC3300E5000

\* VC3000 model with inputs required for 2 pipe with changeover sensor

### VC1300/VC2300

#### Mixed Voltage Relay Packs for use with VT8350 Room Controllers

1	2	3	4
	Applications / Features	Voltage	Relay Pack
	<ul style="list-style-type: none"> <li>Line voltage 3 speed fan control</li> <li>Valve control or other low-voltage application</li> </ul>	110/120 VAC	VC1300E5000
		220/240 VAC	VC2300E5000

### VCM8000 Plug-in Modules

1	2	3
	Description	Retrofit Module
	ZigBee Pro communication module	VCM8000V5045P
	CO2 sensor module	VCM8001V5045
	Wi-Fi communication module	VCM8002V5031