

## Digital stand-alone and communicating room controllers

### VT8650 | Rooftop unit, heat pump and indoor air quality room controller

Smart energy management has never been easier than with the VT8650 room controllers for Rooftop units, heat pumps and indoor air quality applications. Designed for new construction and retrofit projects, the room controllers dramatically decrease project delivery costs by reducing installation, configuration and commissioning time. No complex software or tools are required to customize functionality in order to meet your applications requirements. The room controllers provide all the advanced features and monitoring functions required by modern building automation systems in a simple compact enclosure. An elegantly simple casing combines with configurable screen colors to match decor. Display your own logo and custom messages on screen to reinforce your brand and provide a more enjoyable occupant experience.



#### Product highlights

- Elegant style combinations, designed to complement any decor
- Customizable color digital touch screen interface with multi-language support
- Configurable as 1H / 1C, 2H / 2C, 3H / 2C and Modulating (Analog) Heat / 2C for Rooftop units
- CO2 and fresh air inputs for Indoor Air Quality (IAQ) applications
- Suitable for both commercial and hospitality markets and systems
- Fully programmable control sequences using scripting
- On board configuration interface utility
- Configurable sequence of operations
- Configurable Economizer
- Configurable Scheduler
- Change of value (COV) function for BMS integration
- Humidity sensor with on-board dehumidification strategy
- Optional Passive Infrared (PIR) occupancy sensor
- Advanced occupancy functions for commercial and lodging applications
- Optional wireless door, window, motion and water leak sensors available

#### Communication

- BACnet MS/TP or Modbus RTU (user selectable)
- ZigBee Pro (P) option for direct MPM integration (On-board or plug-in ZigBee Pro wireless module)
- BACnet/IP and email notification via Wi-Fi (with VCM8002V5031)

#### Accessories

- CO2 sensor module
- CO2/temperature/humidity sensor
- ZigBee wireless window, door, motion and water leak sensors

Description	
Dimension	Height: 12cm/4.72in
	Width: 8.6cm/3.38in
	Depth: 2.5cm/1in
Power	
Voltage	24 Vac 50/60Hz or 24 Vdc
	up to 6 VA power consumption
	94 VA Max. output load
Communication	
Protocol	BACnet MS/TP, or Modbus RTU
	ZigBee Pro (with VCM8000V5045P or on-board ZigBee)
	BACnet/IP and email notification via Wi-Fi (with VCM8002V5031)

Part Number	Description	BACnet MS/TP	RH sensor & control	PIR motion sensor	ZigBee Pro on-board
VT8650U5000B	RTU, heat pump & IAQ Controller	X	X		No*
VT8650U5500B	RTU, heat pump & IAQ Controller	X	X	X	No*
VT8650U5500BP	RTU, heat pump & IAQ Controller	X	X	X	X

\*Note: ZigBee Pro plug-in module is available