Product Comparison Guide

VT8000 and VT7000 Series Room Controllers

VICONICS
Beyond Comfort

Viconics room controllers bridge the gap between the cost of stand-alone thermostats, and the performance of DDC systems, by simplifying installation and commissioning, to control Rooftop units, fan coil units, terminal units and heat pump applications, for a wide variety of facilities.

Commercial Retail Healthcare Hotels Education

VT8000 or VT7000

Common features

Easy to install
No need to interrupt operations when installing room controllers. You can re-use existing wiring or communicate wirelessly to sensors and gateways, thereby lowering installation costs and keeping downtime in check.

Easy to commission
No need for software or other tools. Commissioning is done by configura-tion through the user interface of the room controller, thereby saving on engineering time and cost.

Easy to scale
The native connectivity of room controllers enables upstream connection to a wide variety of Building Management Systems (BMS), and downstream connection to wired and wireless sensors.

Precise comfort
Room controllers look like thermostats, but work like controllers. They deliver the optimal level of comfort while maximizing savings on energy and operational costs.

Powerful control
Get the most out of your HVAC systems with the application-specific control and PID algorithms native to room controllers. You can also optimize your space by using the optional ccupancy detection and scheduling features.

Significant savings
Room controllers provide an accelerated return on investment with savings at all levels: installation, commissioning, energy optimization, and maintenance.

Optional on-board relative humidity sensor

Optional on-board PIR motion sensor

The power to choose for customers who need more.

> Several display color schemes to match any décor.

> Customizable user interface, selectable languages, and advanced BACnet messaging for an unparalleled guest experience.

Highlight your brand by uploading a custom standby image or logo on the user interface.

> Programmable with Lua4RC to modify control sequences, or override inputs and outputs.

Simply the most cost-effective option on the market.

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Relay Packs

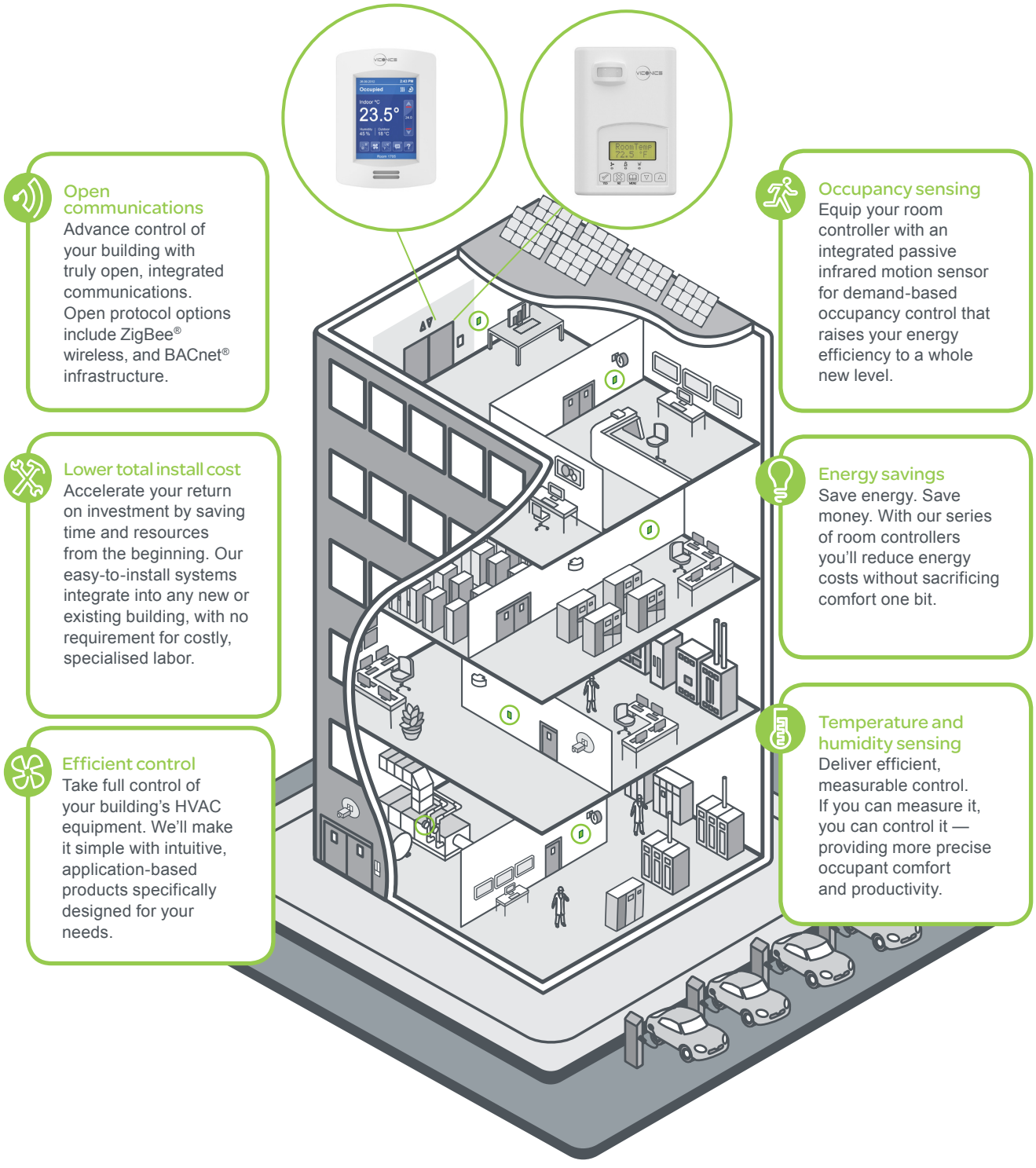
Not all products in the catalogue may be available in every country, please check availability with the local Viconics office.

Reduce energy waste & improve comfort.

Accelerate your return on investment with easy to install and commission room controllers

Cost-saving, energy-saving applications

From hotels and hospitals to schools, retail, and commercial buildings, Viconics offers wide-ranging room control solutions for your building management needs. Whether retrofitting current systems with a more technologically advanced room controller or going green with a more environmentally friendly option, Viconics has the ideal, cost-competitive solution. Our room controllers can be equipped with an integrated passive infrared motion sensor for demand-based occupancy control that opens up new opportunities in smart energy management.



VT8000 Series room controllers

The perfect balance between simplicity and sophistication

The VT8000 Series is a sophisticated addition to the Viconics product portfolio of room controllers. With rich, customizable features, the VT8000 Series enables significant energy savings with accurate temperature control in any space. The VT8000 room controllers can be easily integrated into most Building Management Systems (BMS).

Configurable languages

20 configurable languages available for the VT8000 Series Room Controllers.

Configurable color schemes

Configurable user interface

Common features

- Configurable sequence of operations
- BACnet COV
- Scheduler
- Programmable with Lua4RC to modify control sequences or override inputs and outputs
- Optional on-board relative humidity sensor with dehumidification control sequences
- Optional on-board PIR motion sensor with occupancy-based control sequences

VTR8300 Series (with VC3000)	VT8300 Series	VT8600 Series
> Line voltage fan coil units	> Low voltage fan coil units > Mixed voltage fan coil units > Zone control	> Rooftop units > Heat pumps > Indoor air quality
Line voltage fan coil units • Requires VC3000 relay pack • Fan speed and sequence of operation • Two pipe • Four pipe	**Low voltage fan coil units** • Fan speed and sequence of operation • Two pipe • Four pipe **Mixed voltage fan coil units** • Requires SC1300/SC2300 relay pack **Zone control** • Cooling only VVT zone with reheat • Fin-tube radiators • Cabinet heaters • Radiant panel heaters • Electric re-heat zones • Pressure dependent VAV system • Terminal reheat	**Rooftop units, heat pumps and indoor air quality** • Economizer • CO2 sensor input • Fresh Air Station input **Configurable stages** • 1 heat/1 cool • 2 heat/2 cool • Modulation heat/2 cool • 3 heat/2 cool

VTR8300 | Line-voltage fan coil controller with VC3000 relay pack

This two component retrofit option consists of the VTR8300 terminal equipment controller and the VC3000 relay pack. Together, they provide an easy solution for retrofitting fan coil unit thermostats without requiring other components such as relays, transformers, controllers, sensors, and network wiring to be upgraded. Existing line voltage wiring between the fan coil unit and temperature Controller can be reused further minimizing overall labor and installation costs for both retrofit and new construction control projects. Additional flexibility and energy savings can be achieved with optional wireless door and window switches. 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
- 2 Pipe or 4 Pipe configuration
- Line voltage applications
- On board configuration interface utility
- Alarm monitoring
- Suitable for both commercial and hospitality markets and systems
- Fully programmable control sequences using scripting
- Configurable fan sequence of operation
- Configurable scheduler
- Change of value (COV) function for BMS integration
- Humidity sensor with on-board dehumidification strategy (model dependent)
- Configurable I/O
- Optional PIR motion sensor
- Advanced occupancy functions for commercial and lodging applications
- Optional wireless door and window switches available for wireless communicating models only

Communication

- ZigBee Pro (P) option for direct MPM integration (Optional with communication module purchased separately)
- BACnet MS/TP (B) (Optional with BACnet integration purchased separately)
- Network-ready Stand-alone (A)

Accessories

The VC3000 relay pack is a necessary accessory for retrofit solution to use with the VTR8300 room controller. Refer to the VC3000 page for more information (later in this document).

Wireless communication module ZigBee Pro upgrade available for this room controller. Ordered separately. Refer to the ZigBee Pro page for more information (later in this document).

Description	
Dimension	Height: 12cm/4.72in / Width: 8.6cm/3.38in / Depth: 2.7cm/1.06in
Power	
Voltage (VTR8000)	6.5 - 28 Vdc or 20 - 28 Vac, 50/60Hz / 2.4 watts minimum
Voltage (VC3000)	90 - 277 Vac universal, 50/60Hz
Communication	
Protocol	Stand-alone, BACnet MS/TP, ZigBee Pro

Part Number	Description	BACnet MS/TP	RH sensor & control	PIR motion sensor
VTR8300A5000B	Line voltage fan coil Controller	X		
VTR8300A5500B	Line voltage fan coil Controller	X		X
VTR8350A5000B	Line voltage fan coil Controller	X	X	
VTR8350A5500B	Line voltage fan coil Controller	X	X	X
VTR8300A5000BLTD	Line voltage fan coil Controller	X		

VT8300 | Low voltage fan coil controller and zone controller

Smart energy management has never been easier than with the VT8300 series Fan coil room controllers. 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 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
- Touch screen interface with multi-language support
- 2 Pipe or 4 Pipe configuration
- Suitable for both commercial and hospitality markets and systems
- Fully programmable control sequences using scripting
- On board configuration interface utility
- Configurable fan sequence of operation
- Configurable Scheduler.
- Change of value (COV) function for BMS integration.
- Humidity sensor with on-board dehumidification strategy (model dependent)
- Optional PIR motion sensor
- Advanced occupancy and scheduling functions for commercial and lodging applications
- Optional wireless door and window switches (with optional ZigBee Pro® card) available

Description	
Dimension	Height: 12cm/4.72in Width: 8.6cm/3.38in Depth: 2.7cm/1.06in
Power	
Voltage	6.5 - 28 Vdc or 20 - 28 Vac 50/60Hz / 4VA + Output Load (64 VA Max.)
Communication	
Protocol	BACnet MS/TP ZigBee Pro /w VCM8000V5000P

Communication

- ZigBee Pro (P) opiton for direct MPM integration (Optional with communication module purchased separately)
- BACnet MS/TP (B) (Comes standard on all models)

Accessories

Wireless communication module ZigBee Pro upgrade available for this room controller. Ordered separately, refer to the ZigBee Pro page for more information (later in this document).

Part Number	Description	BACnet MS/TP	RH sensor & control	PIR motion sensor
VT8350U5000B	Low voltage fan coil Controller	X		
VT8300U5000B	Low voltage fan coil Controller	X	X	
VT8300U5500B	Low voltage fan coil Controller	X		X
VT8350U5500B	Low voltage fan coil Controller	X	X	X

VT8600 | Rooftop unit, heat pump and indoor air quality room controller

Smart energy management has never been easier than with the VT8600 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
- CO_2 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 (model dependent)
- Optional Passive Infrared (PIR) occupancy sensor
- Advanced occupancy functions for commercial and lodging applications
- Optional wireless motion sensors, door and window switches (with optional ZigBee Pro® card) available

Description	
Dimension	Height: 12cm/4.72in Width: 8.6cm/3.38in Depth: 2.7cm/1.06in
Power	
Voltage	28 Vdc or 20 - 28 Vac 50/60Hz / 4VA + Output Load (64 VA Max.)
Communication	
Protocol	BACnet MS/TP ZigBee Pro /w VCM8000V5000P

Communication

- ZigBee Pro (P) opiton for direct MPM integration (Optional with communication module purchased separately)
- BACnet MS/TP (B) (Comes standard on all models)

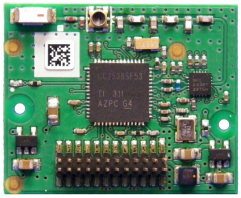
Accessories

Wireless communication module ZigBee Pro upgrade available for this room controller. Ordered separately, refer to the ZigBee Pro page for more information (later in this document).

Part Number	Description	BACnet MS/TP	RH sensor & control	PIR motion sensor
VT8600U5000B	RTU, heat pump & IAQ Controller	X		
VT8650U5000B	RTU, heat pump & IAQ Controller	X	X	
VT8600U5500B	RTU, heat pump & IAQ Controller	X		X
VT8650U5500B	RTU, heat pump & IAQ Controller	X	X	X

Wireless communication adapter

VT8000 room controllers can be adapted to communicate using the ZigBee Pro wireless mesh networking protocol by the addition of an adapter card. This allows the VT8000 room controllers to pair with a variety of wireless sensors and switches for more precise control of HVAC systems in response to occupancy, as well as to communicate wirelessly for integration with BMS and networks.



Part Number	Description	Compatibility
VCM8000V5000P	Wireless ZigBee Pro communication card	VT8000 room controllers

Part Number	Description
SED-WDS-P-5045	Wireless door / window switch

Part Number	Description
SED-WMS-P-5045	Wireless wall mounted motion sensor

Part Number	Description
SED-CMS-P-5045	Wireless ceiling mounted motion sensor

Part Number	Description	Compatibility
SED-WIN-P-5045	ZigBee Pro window contact switch	VT8000 room controllers with VCM8000V5000P communication modules
SED-DOR-P-5045	ZigBee Pro door contact switch	VT8000/VT7000 room controllers with VCM8000V5000P/VCM7000 communication modules

*Wireless accessories require a VT8000 room controller with a ZigBee Pro wireless communication adapter card.

VT7000 Series room controllers

Digital stand-alone and communicating room controllers

The VT7000 series offers a variety of application-specific products to increase the comfort of building occupants while reducing energy costs and consumption and accelerating return on investment. These digital controllers give users easy-to-install, thermostat-like functionality that can sense occupancy and adjust set-point or fan speed control. The VT7000 room controllers can be easily integrated into most Building Management Systems (BMS).

VT7200 Series	VT7300 and VTR7300 Series	VT7600 Series
> Zoning, heating/cooling	> Fan coil, three-speed fan	> Rooftop or heat pump
• Reheat control • Induction units • Chilled beam • Under floor heating • Perimeter radiant heat • Pressure dependent VAV	• Low-voltage, line-voltage and mixed-voltage fan coil unit control • Multiple fan speed, heating and cooling stages configurations • Humidity control options • Relay pack accessories for line-voltage and mixed-voltage applications	• Economizer option • Humidification/dehumidification heat pumps • Rooftop, 3 heat/2 cool • Water source with dehumidification, 1 heat/2 cool

VT7200 | Communicating and network-ready zone controllers

Smart energy management has never been easier than with the VT7200 series. Designed for new construction or retrofit projects, the controllers dramatically decrease total costs by reducing installation time, configuration and commissioning time. The VT7200 series provides the advanced features and monitoring functions required by modern building automation systems without the use of software and commissioning tools.

Part Number	Description	Output	PIR Cover	Communication
VT7200C5000	Stand-alone zone Controller	Floating or on/off	No	Stand-alone (network ready)
VT7200C5000B	BACnet zone Controller	Floating or on/off	No	BACnet
VT7200C5000E	LON® zone Controller	Floating or on/off	No	LonWorks
VT7200C5000P	ZigBee Pro wireless zone Controller	Floating or on/off	No	ZigBee Pro
VT7200C5000W	Wireless zone Controller	Floating or on/off	No	Wireless
VT7200C5500	Stand-alone zone Controller	Floating or on/off	Yes	Stand-alone (network ready)
VT7200C5500B	BACnet zone Controller	Floating or on/off	Yes	BACnet
VT7200C5500E	LON zone Controller	Floating or on/off	Yes	LonWorks
VT7200C5500P	ZigBee Pro wireless zone Controller	Floating or on/off	Yes	ZigBee Pro
VT7200C5500W	Wireless zone Controller	Floating or on/off	Yes	Wireless
VT7200F5000	Stand-alone zone Controller	0 - 10 V	No	Stand-alone (network ready)
VT7200F5000B	BACnet zone Controller	0 - 10 V	No	BACnet
VT7200F5000E	LON zone Controller	0 - 10 V	No	LonWorks
VT7200F5000P	ZigBee Pro wireless zone Controller	0 - 10 V	No	ZigBee Pro
VT7200F5000W	Wireless zone Controller	0 - 10 V	No	Wireless
VT7200F5500	Stand-alone zone Controller	0 - 10 V	Yes	Stand-alone (network ready)
VT7200F5500B	BACnet zone Controller	0 - 10 V	Yes	BACnet
VT7200F5500E	LON zone Controller	0 - 10 V	Yes	LonWorks
VT7200F500P	ZigBee Pro wireless zone Controller	0 - 10 V	Yes	ZigBee Pro
VT7200F5500W	Wireless zone Controller	0 - 10 V	Yes	Wireless

VT7300 | Low voltage communicating and network-ready fan coil controllers

The VT7300 series provides the advanced features and monitoring functions required by modern building automation systems without the use of software and commissioning tools. The VT7300 is a low voltage fan coil terminal equipment controller suitable for commercial and high end hospitality markets. It can also be used as a zone controller or mixed voltage solution.

Commercial interface (local override)

Part Number	Description	Humidity	Output	PIR Cover	Communication
VT7300C5000	Stand-alone fan coil Controller	No	Floating or on/off	No	Stand-alone (network ready)
VT7300C5000B	BACnet fan coil Controller	No	Floating or on/off	No	BACnet
VT7300C5000E	LON fan coil Controller	No	Floating or on/off	No	LonWorks
VT7300C5000P	ZigBee Pro wireless zone Controller	No	Floating or on/off	No	ZigBee Pro
VT7300C5000W	Wireless fan coil Controller	No	Floating or on/off	No	Wireless
VT7300C5500	Stand-alone fan coil Controller	No	Floating or on/off	Yes	Stand-alone (network ready)
VT7300C5500B	BACnet fan coil Controller	No	Floating or on/off	Yes	BACnet
VT7300C5500E	LON fan coil Controller	No	Floating or on/off	Yes	LonWorks
VT7300C5500P	ZigBee Pro wireless zone Controller	No	Floating or on/off	Yes	ZigBee Pro
VT7300C5500W	Wireless fan coil Controller	No	Floating or on/off	Yes	Wireless
VT7300F5000	Stand-alone fan coil Controller	No	0 - 10 V	No	Stand-alone (network ready)
VT7300F5000B	BACnet fan coil Controller	No	0 - 10 V	No	BACnet
VT7300F5000E	LON fan coil Controller	No	0 - 10 V	No	LonWorks
VT7300F5000P	ZigBee Pro wireless zone Controller	No	0 - 10 V	No	ZigBee Pro
VT7300F5000W	Wireless fan coil Controller	No	0 - 10 V	No	Wireless
VT7300F5500	Stand-alone fan coil Controller	No	0 - 10 V	Yes	Stand-alone (network ready)
VT7300F5500B	BACnet fan coil Controller	No	0 - 10 V	Yes	BACnet
VT7300F5500E	LON fan coil Controller	No	0 - 10 V	Yes	LonWorks
VT7300F5500P	ZigBee Pro wireless zone Controller	No	0 - 10 V	Yes	ZigBee Pro
VT7300F5500W	Wireless fan coil Controller	No	0 - 10 V	Yes	Wireless
VT7350C5000	Stand-alone fan coil Controller	Yes	Floating or on/off	No	Stand-alone (network ready)
VT7350C5000B	BACnet fan coil Controller	Yes	Floating or on/off	No	BACnet
VT7350C5000E	LON fan coil Controller	Yes	Floating or on/off	No	LonWorks
VT7350C5000P	ZigBee Pro wireless zone Controller	Yes	Floating or on/off	No	ZigBee Pro
VT7350C5000W	Wireless fan coil Controller	Yes	Floating or on/off	No	Wireless
VT7350C5500	Stand-alone fan coil Controller	Yes	Floating or on/off	Yes	Stand-alone (network ready)
VT7350C5500B	BACnet fan coil Controller	Yes	Floating or on/off	Yes	BACnet
VT7350C5500E	LON fan coil Controller	Yes	Floating or on/off	Yes	LonWorks
VT7350C5500P	ZigBee Pro wireless zone Controller	Yes	Floating or on/off	Yes	ZigBee Pro
VT7350C5500W	Wireless fan coil Controller	Yes	Floating or on/off	Yes	Wireless
VT7350F5000	Stand-alone fan coil Controller	Yes	0 - 10 V	No	Stand-alone (network ready)
VT7350F5000B	BACnet fan coil Controller	Yes	0 - 10 V	No	BACnet
VT7350F5000E	LON fan coil Controller	Yes	0 - 10 V	No	LonWorks
VT7350F5000P	ZigBee Pro wireless zone Controller	Yes	0 - 10 V	No	ZigBee Pro
VT7350F5000W	Wireless fan coil Controller	Yes	0 - 10 V	No	Wireless
VT7350F5500	Stand-alone fan coil Controller	Yes	0 - 10 V	Yes	Stand-alone (network ready)
VT7350F5500B	BACnet fan coil Controller	Yes	0 - 10 V	Yes	BACnet
VT7350F5500E	LON fan coil Controller	Yes	0 - 10 V	Yes	LonWorks
VT7350F5500P	ZigBee Pro wireless zone Controller	Yes	0 - 10 V	Yes	ZigBee Pro
VT7350F5500W	Wireless fan coil Controller	Yes	0 - 10 V	Yes	Wireless

VT7305 | Low voltage communicating and network-ready fan coil controllers

The VT7300 series provides the advanced features and monitoring functions required by modern building automation systems without the use of software and commissioning tools. The VT7300 is a low voltage fan coil terminal equipment controller suitable for commercial and high end hospitality markets. It can also be used as a zone controller or mixed voltage solution.

Hotel/lodging interface (°C/°F selection)

Part Number	Description	Humidity	Output	PIR Cover	Communication
VT7305C5000	Stand-alone fan coil Controller	No	Floating or on/off	No	Stand-alone (network ready)
VT7305C5000B	BACnet fan coil Controller	No	Floating or on/off	No	BACnet
VT7305C5000E	LON fan coil Controller	No	Floating or on/off	No	LonWorks
VT7305C5000P	ZigBee Pro wireless zone Controller	No	Floating or on/off	No	ZigBee Pro
VT7305C5000W	Wireless fan coil Controller	No	Floating or on/off	No	Wireless
VT7305C5500	Stand-alone fan coil Controller	No	Floating or on/off	Yes	Stand-alone (network ready)
VT7305C5500B	BACnet fan coil Controller	No	Floating or on/off	Yes	BACnet
VT7305C5500E	LON fan coil Controller	No	Floating or on/off	Yes	LonWorks
VT7305C5500P	ZigBee Pro wireless zone Controller	No	Floating or on/off	Yes	ZigBee Pro
VT7305C5500W	Wireless fan coil Controller	No	Floating or on/off	Yes	Wireless
VT7305F5000	Stand-alone fan coil Controller	No	0 - 10 V	No	Stand-alone (network ready)
VT7305F5000B	BACnet fan coil Controller	No	0 - 10 V	No	BACnet
VT7305F5000E	LON fan coil Controller	No	0 - 10 V	No	LonWorks
VT7305F5000P	ZigBee Pro wireless zone Controller	No	0 - 10 V	No	ZigBee Pro
VT7305F5000W	Wireless fan coil Controller	No	0 - 10 V	No	Wireless
VT7305F5000W-VWA	Wireless fan coil Controller	No	0 - 10 V	No	Wireless
VT7305F5500	Stand-alone fan coil Controller	No	0 - 10 V	Yes	Stand-alone (network ready)
VT7305F5500B	BACnet fan coil Controller	No	0 - 10 V	Yes	BACnet
VT7305F5500E	LON fan coil Controller	No	0 - 10 V	Yes	LonWorks
VT7305F5500P	ZigBee Pro wireless zone Controller	No	0 - 10 V	Yes	ZigBee Pro
VT7305F5500W	Wireless fan coil Controller	No	0 - 10 V	Yes	Wireless
VT7305F5500W-VWA	Wireless fan coil Controller	No	0 - 10 V	Yes	Wireless
VT7355C5000	Stand-alone fan coil Controller	Yes	Floating or on/off	No	Stand-alone (network ready)
VT7355C5000B	BACnet fan coil Controller	Yes	Floating or on/off	No	BACnet
VT7355C5000E	LON fan coil Controller	Yes	Floating or on/off	No	LonWorks
VT7355C5000P	ZigBee Pro wireless zone Controller	Yes	Floating or on/off	No	ZigBee Pro
VT7355C5000W	Wireless fan coil Controller	Yes	Floating or on/off	No	Wireless
VT7355C5000W-VWA	Wireless fan coil Controller	Yes	Floating or on/off	No	Wireless
VT7355C5500	Stand-alone fan coil Controller	Yes	Floating or on/off	Yes	Stand-alone (network ready)
VT7355C5500B	BACnet fan coil Controller	Yes	Floating or on/off	Yes	BACnet
VT7355C5500E	LON fan coil Controller	Yes	Floating or on/off	Yes	LonWorks
VT7355C5500P	ZigBee Pro wireless zone Controller	Yes	Floating or on/off	Yes	ZigBee Pro
VT7355C5500W	Wireless fan coil Controller	Yes	Floating or on/off	Yes	Wireless
VT7355C5500W-VWA	Wireless fan coil Controller	Yes	Floating or on/off	Yes	Wireless
VT7355F5000	Stand-alone fan coil Controller	Yes	0 - 10 V	No	Stand-alone (network ready)
VT7355F5000B	BACnet fan coil Controller	Yes	0 - 10 V	No	BACnet
VT7355F5000E	LON fan coil Controller	Yes	0 - 10 V	No	LonWorks
VT7355F5000P	ZigBee Pro wireless zone Controller	Yes	0 - 10 V	No	ZigBee Pro
VT7355F5000W	Wireless fan coil Controller	Yes	0 - 10 V	No	Wireless
VT7355F5000W-VWA	Wireless fan coil Controller	Yes	0 - 10 V	No	Wireless
VT7355F5500	Stand-alone fan coil Controller	Yes	0 - 10 V	Yes	Stand-alone (network ready)
VT7355F5500B	BACnet fan coil Controller	Yes	0 - 10 V	Yes	BACnet
VT7355F5500E	LON fan coil Controller	Yes	0 - 10 V	Yes	LonWorks
VT7355F5500P	ZigBee Pro wireless zone Controller	Yes	0 - 10 V	Yes	ZigBee Pro
VT7355F5500W	Wireless fan coil Controller	Yes	0 - 10 V	Yes	Wireless
VT7355F5500W-VWA	Wireless fan coil Controller	Yes	0 - 10 V	Yes	Wireless

VT7300-ECM | ECM fan coil controllers

More and more engineers are commonly specifying fan coil units that function with electronically commutated motors, which offer better energy efficiency and reduced operating costs. The VT7300 ECM fan coil Controller allows you to capitalise on this additional energy savings by optimising fan control sequences of electronically commutated motors. The Controller is optimised to offer full proportional operation versus the traditional three-speed tap operation. This wall-mounted Controller features an easy-to-read digital display and built-in commissioning and configuration utility, temperature sensor and optional humidity and Passive Infrared (PIR) occupancy sensor cover.

Commercial interface (local override)

Part Number	Description	PIR Cover	Communication
VT7300F5000-ECM	Stand-alone ECM fan coil Controller	No	Stand-alone (network ready)
VT7300F5000B-ECM	BACnet ECM fan coil Controller	No	BACnet
VT7300F5000P-ECM	ZigBee Pro ECM fan coil Controller	No	ZigBee Pro
VT7300F5000W-ECM	Wireless ECM fan coil Controller	No	Wireless
VT7300F5500-ECM	Stand-alone ECM fan coil Controller	Yes	Stand-alone (network ready)
VT7300F5500B-ECM	BACnet ECM fan coil Controller	Yes	BACnet
VT7300F5500W-ECM	Wireless ECM fan coil Controller	Yes	Wireless

Hotel/lodging interface (°C/°F selection)

Part Number	Description	PIR Cover	Communication
VT7305F5000-ECM	Stand-alone ECM fan coil Controller	No	Stand-alone (network ready)
VT7305F5000B-ECM	BACnet ECM fan coil Controller	No	BACnet
VT7305F5000P-ECM	ZigBee Pro ECM fan coil Controller	No	ZigBee Pro
VT7305F5000W-ECM	Wireless ECM fan coil Controller	No	Wireless
VT7305F5500-ECM	Stand-alone ECM fan coil Controller	Yes	Stand-alone (network ready)
VT7305F5500B-ECM	BACnet ECM fan coil Controller	Yes	BACnet
VT7305F5500W-ECM	Wireless ECM fan coil Controller	Yes	Wireless

VTR7300 | Line-voltage fan coil terminal equipment controller with relay packs

The VTR7300 fan coil unit solution requires installation of only two components, the VTR7300 terminal equipment controller and the VC3000 relay pack. This allows reuse of existing line-voltage wiring between the fan coil unit and temperature controller, thereby reducing overall costs, labor, and installation time for both retrofit and new construction control projects.

Commercial interface (local override)

Part Number	Description	Humidity	PIR Cover	Communication
VTR7300A5000	Stand-alone fan coil terminal equipment Controller	No	No	Stand-alone (network ready)
VTR7300A5000B	BACnet fan coil terminal equipment Controller	No	No	BACnet
VTR7300A5000E	LON fan coil terminal equipment Controller	No	No	LonWorks
VTR7300A5000P	ZigBee Pro wireless fan coil terminal equipment Controller	No	No	ZigBee Pro
VTR7300A5000W	Wireless fan coil terminal equipment Controller	No	No	Wireless
VTR7300A5500	Stand-alone fan coil terminal equipment Controller	No	Yes	Stand-alone (network ready)
VTR7300A5500B	BACnet fan coil terminal equipment Controller	No	Yes	BACnet
VTR7300A5500E	LON fan coil terminal equipment Controller	No	Yes	LonWorks
VTR7300A5500W	Wireless fan coil terminal equipment Controller	No	Yes	Wireless
VTR7350A5000	Stand-alone fan coil terminal equipment Controller	Yes	No	Stand-alone (network ready)
VTR7350A5000B	BACnet fan coil terminal equipment Controller	Yes	No	BACnet
VTR7350A5000E	LON fan coil terminal equipment Controller	Yes	No	LonWorks
VTR7350A5000P	ZigBee Pro wireless fan coil terminal equipment Controller	Yes	No	ZigBee Pro
VTR7350A5000W	Wireless fan coil terminal equipment Controller	Yes	No	Wireless
VTR7350A5500	Stand-alone fan coil terminal equipment Controller	Yes	Yes	Stand-alone (network ready)
VTR7350A5500B	BACnet fan coil terminal equipment Controller	Yes	Yes	BACnet
VTR7350A5500E	LON fan coil terminal equipment Controller	Yes	Yes	LonWorks
VTR7350A5500W	Wireless fan coil terminal equipment Controller	Yes	Yes	Wireless

Hotel/lodging interface (°C/°F selection)

Part Number	Description	Humidity	PIR Cover	Communication
VTR7305A5000	Stand-alone fan coil terminal equipment Controller	No	No	Stand-alone (network ready)
VTR7305A5000B	BACnet fan coil terminal equipment Controller	No	No	BACnet
VTR7305A5000E	LON fan coil terminal equipment Controller	No	No	LonWorks
VTR7305A5000P	ZigBee Pro wireless fan coil terminal equipment Controller	No	No	ZigBee Pro
VTR7305A5000W	Wireless fan coil terminal equipment Controller	No	No	Wireless
VTR7305A5500	Stand-alone fan coil terminal equipment Controller	No	Yes	Stand-alone (network ready)
VTR7305A5500B	BACnet fan coil terminal equipment Controller	No	Yes	BACnet
VTR7305A5500E	LON fan coil terminal equipment Controller	No	Yes	LonWorks
VTR7305A5500W	Wireless fan coil terminal equipment Controller	No	Yes	Wireless
VTR7355A5000	Stand-alone fan coil terminal equipment Controller	Yes	No	Stand-alone (network ready)
VTR7355A5000B	BACnet fan coil terminal equipment Controller	Yes	No	BACnet
VTR7355A5000E	LON fan coil terminal equipment Controller	Yes	No	LonWorks
VTR7355A5000P	ZigBee Pro wireless fan coil terminal equipment Controller	Yes	No	ZigBee Pro
VTR7355A5000W	Wireless fan coil terminal equipment Controller	Yes	No	Wireless
VTR7355A5500	Stand-alone fan coil terminal equipment Controller	Yes	Yes	Stand-alone (network ready)
VTR7355A5500B	BACnet fan coil terminal equipment Controller	Yes	Yes	BACnet
VTR7355A5500E	LON fan coil terminal equipment Controller	Yes	Yes	LonWorks
VTR7355A5500W	Wireless fan coil terminal equipment Controller	Yes	Yes	Wireless

Check in to comfort. Check out the savings.

Hotel guest comfort meets energy savings with our Series room controllers

Digital stand-alone and communicating room controllers

VT7600A and VT7600B | Non-scheduling Rooftop controllers

Primarily designed for use in small to mid-sized commercial building applications, VT7600 Series room controllers can be installed in any building using a standard Rooftop or heat pump unit with a requirement for advanced fresh air control. Capable of controlling economiser-free cooling and demand-based ventilation strategies, the VT7600 Series provides fresh air measurement input right out of the box.

Part Number	Description	Scheduling	Economizer	Heat/Cool Stages	Humidity	PIR Cover	Communication
VT7600A5000	Stand-alone Rooftop Controller	No	No	1H/1C	No	No	Stand-alone (network ready)
VT7600A5000B	BACnet Rooftop Controller	No	No	1H/1C	No	No	BACnet
VT7600A5000E	LON Rooftop Controller	No	No	1H/1C	No	No	LonWorks
VT7600A5000P	ZigBee Pro wireless Rooftop Controller	No	No	1H/1C	No	No	ZigBee Pro
VT7600A5000W	Wireless Rooftop Controller	No	No	1H/1C	No	No	Wireless
VT7600A5500	Stand-alone Rooftop Controller	No	No	1H/1C	No	Yes	Stand-alone (network ready)
VT7600A5500B	BACnet Rooftop Controller	No	No	1H/1C	No	Yes	BACnet
VT7600A5500E	LON Rooftop Controller	No	No	1H/1C	No	Yes	LonWorks
VT7600A5500P	ZigBee Pro wireless Rooftop Controller	No	No	1H/1C	No	Yes	ZigBee Pro
VT7600A5500W	Wireless Rooftop Controller	No	No	1H/1C	No	Yes	Wireless
VT7600B5000	Stand-alone Rooftop Controller	No	No	2H/2C	No	No	Stand-alone (network ready)
VT7600B5000B	BACnet Rooftop Controller	No	No	2H/2C	No	No	BACnet
VT7600B5000E	LON Rooftop Controller	No	No	2H/2C	No	No	LonWorks
VT7600B5000P	ZigBee Pro wireless Rooftop Controller	No	No	2H/2C	No	No	ZigBee Pro
VT7600B5000W	Wireless Rooftop Controller	No	No	2H/2C	No	No	Wireless
VT7600B5500	Stand-alone Rooftop Controller	No	No	2H/2C	No	Yes	Stand-alone (network ready)
VT7600B5500B	BACnet Rooftop Controller	No	No	2H/2C	No	Yes	BACnet
VT7600B5500E	LON Rooftop Controller	No	No	2H/2C	No	Yes	LonWorks
VT7600B5500P	ZigBee Pro wireless Rooftop Controller	No	No	2H/2C	No	Yes	ZigBee Pro
VT7600B5500W	Wireless Rooftop Controller	No	No	2H/2C	No	Yes	Wireless
VT7605B5000	Stand-alone Rooftop Controller	No	Yes	2H/2C	No	No	Stand-alone (network ready)
VT7605B5000B	BACnet Rooftop Controller	No	Yes	2H/2C	No	No	BACnet
VT7605B5000E	LON Rooftop Controller	No	Yes	2H/2C	No	No	LonWorks
VT7605B5000P	ZigBee Pro wireless Rooftop Controller	No	Yes	2H/2C	No	No	ZigBee Pro
VT7605B5000W	Wireless Rooftop Controller	No	Yes	2H/2C	No	No	Wireless
VT7605B5500	Stand-alone Rooftop Controller	No	Yes	2H/2C	No	Yes	Stand-alone (network ready)
VT7605B5500B	BACnet Rooftop Controller	No	Yes	2H/2C	No	Yes	BACnet
VT7605B5500E	LON Rooftop Controller	No	Yes	2H/2C	No	Yes	LonWorks
VT7605B5500P	ZigBee Pro wireless Rooftop Controller	No	Yes	2H/2C	No	Yes	ZigBee Pro
VT7605B5500W	Wireless Rooftop Controller	No	Yes	2H/2C	No	Yes	Wireless
VT7607B5000	Stand-alone Rooftop Controller	No	No	2H/2C	Yes	No	Stand-alone (network ready)
VT7607B5000B	BACnet Rooftop Controller	No	No	2H/2C	Yes	No	BACnet
VT7607B5000E	LON Rooftop Controller	No	No	2H/2C	Yes	No	LonWorks
VT7607B5000P	ZigBee Pro wireless Rooftop Controller	No	No	2H/2C	Yes	No	ZigBee Pro
VT7607B5000W	Wireless Rooftop Controller	No	No	2H/2C	Yes	No	Wireless
VT7607B5500	Stand-alone Rooftop Controller	No	No	2H/2C	Yes	Yes	Stand-alone (network ready)
VT7607B5500B	BACnet Rooftop Controller	No	No	2H/2C	Yes	Yes	BACnet
VT7607B5500E	LON Rooftop Controller	No	No	2H/2C	Yes	Yes	LonWorks
VT7607B5500P	ZigBee Pro wireless Rooftop Controller	No	No	2H/2C	Yes	Yes	ZigBee Pro
VT7607B5500W	Wireless Rooftop Controller	No	No	2H/2C	Yes	Yes	Wireless

VT7600A and VT7600B | 7-day programmable Rooftop controllers

Part Number	Description	Scheduling	Economizer	Heat/Cool Stages	Humidity	PIR Cover	Communication
VT7652A5000	Stand-alone Rooftop Controller	Yes	No	1H/1C	No	No	Stand-alone (network ready)
VT7652A5000B	BACnet Rooftop Controller	Yes	No	1H/1C	No	No	BACnet
VT7652A5000E	LON Rooftop Controller	Yes	No	1H/1C	No	No	LonWorks
VT7652A5000P	ZigBee Pro wireless Rooftop Controller	Yes	No	1H/1C	No	No	ZigBee Pro
VT7652A5000W	Wireless Rooftop Controller	Yes	No	1H/1C	No	No	Wireless
VT7652A5500	Stand-alone Rooftop Controller	Yes	No	1H/1C	No	Yes	Stand-alone (network ready)
VT7652A5500B	BACnet Rooftop Controller	Yes	No	1H/1C	No	Yes	BACnet
VT7652A5500E	LON Rooftop Controller	Yes	No	1H/1C	No	Yes	LonWorks
VT7652A5500P	ZigBee Pro wireless Rooftop Controller	Yes	No	1H/1C	No	Yes	ZigBee Pro
VT7652A5500W	Wireless Rooftop Controller	Yes	No	1H/1C	No	Yes	Wireless
VT7652B5000	Stand-alone Rooftop Controller	Yes	No	2H/2C	No	No	Stand-alone (network ready)
VT7652B5000B	BACnet Rooftop Controller	Yes	No	2H/2C	No	No	BACnet
VT7652B5000E	LON Rooftop Controller	Yes	No	2H/2C	No	No	LonWorks
VT7652B5000P	ZigBee Pro wireless Rooftop Controller	Yes	No	2H/2C	No	No	ZigBee Pro
VT7652B5000W	Wireless Rooftop Controller	Yes	No	2H/2C	No	No	Wireless
VT7652B5500	Stand-alone Rooftop Controller	Yes	No	2H/2C	No	Yes	Stand-alone (network ready)
VT7652B5500B	BACnet Rooftop Controller	Yes	No	2H/2C	No	Yes	BACnet
VT7652B5500E	LON Rooftop Controller	Yes	No	2H/2C	No	Yes	LonWorks
VT7652B5500P	ZigBee Pro wireless Rooftop Controller	Yes	No	2H/2C	No	Yes	ZigBee Pro
VT7652B5500W	Wireless Rooftop Controller	Yes	No	2H/2C	No	Yes	Wireless
VT7656B5000	Stand-alone Rooftop Controller	Yes	Yes	2H/2C	No	No	Stand-alone (network ready)
VT7656B5000B	BACnet Rooftop Controller	Yes	Yes	2H/2C	No	No	BACnet
VT7656B5000E	LON Rooftop Controller	Yes	Yes	2H/2C	No	No	LonWorks
VT7656B5000P	ZigBee Pro wireless Rooftop Controller	Yes	Yes	2H/2C	No	No	ZigBee Pro
VT7656B5000W	Wireless Rooftop Controller	Yes	Yes	2H/2C	No	No	Wireless
VT7656B5500	Stand-alone Rooftop Controller	Yes	Yes	2H/2C	No	Yes	Stand-alone (network ready)
VT7656B5500B	BACnet Rooftop Controller	Yes	Yes	2H/2C	No	Yes	BACnet
VT7656B5500E	LON Rooftop Controller	Yes	Yes	2H/2C	No	Yes	LonWorks
VT7656B5500P	ZigBee Pro wireless Rooftop Controller	Yes	Yes	2H/2C	No	Yes	ZigBee Pro
VT7656B5500W	Wireless Rooftop Controller	Yes	Yes	2H/2C	No	Yes	Wireless
VT7657B5000	Stand-alone Rooftop Controller	Yes	No	2H/2C	Yes	No	Stand-alone (network ready)
VT7657B5000B	BACnet Rooftop Controller	Yes	No	2H/2C	Yes	No	BACnet
VT7657B5000E	LON Rooftop Controller	Yes	No	2H/2C	Yes	No	LonWorks
VT7657B5000P	ZigBee Pro wireless Rooftop Controller	Yes	No	2H/2C	Yes	No	ZigBee Pro
VT7657B5000W	Wireless Rooftop Controller	Yes	No	2H/2C	Yes	No	Wireless
VT7657B5500	Stand-alone Rooftop Controller	Yes	No	2H/2C	Yes	Yes	Stand-alone (network ready)
VT7657B5500B	BACnet Rooftop Controller	Yes	No	2H/2C	Yes	Yes	BACnet
VT7657B5500E	LON Rooftop Controller	Yes	No	2H/2C	Yes	Yes	LonWorks
VT7657B5500P	ZigBee Pro wireless Rooftop Controller	Yes	No	2H/2C	Yes	Yes	ZigBee Pro
VT7657B5500W	Wireless Rooftop Controller	Yes	No	2H/2C	Yes	Yes	Wireless

Viconics room controllers provide comfort and energy savings using their native application-specific control sequences, PID algorithms, occupancy detection and schedule management.

Building + Efficient control = Green energy

VT7600H | Heat pump controllers

Primarily designed for use in small to mid-sized commercial building applications, VT7600 Series room controllers can be installed in any building using a standard Rooftop or heat pump unit with a requirement for advanced fresh air control. Capable of controlling economiser-free cooling and demand-based ventilation strategies, the VT7600 Series provides fresh air measurement input right out of the box.

Part Number	Description	Scheduling	Heat/Cool Stages	PIR Cover	Communication
VT7600H5000	Stand-alone heat pump Controller	No	3H/2C	No	Stand-alone (network ready)
VT7600H5000B	BACnet heat pump Controller	No	3H/2C	No	BACnet
VT7600H5000E	LON heat pump Controller	No	3H/2C	No	LonWorks
VT7600H5000P	ZigBee Pro wireless heat pump Controller	No	3H/2C	No	ZigBee Pro
VT7600H5000W	Wireless heat pump Controller	No	3H/2C	No	Wireless
VT7600H5500	Stand-alone heat pump Controller	No	3H/2C	Yes	Stand-alone (network ready)
VT7600H5500B	BACnet heat pump Controller	No	3H/2C	Yes	BACnet
VT7600H5500E	LON heat pump Controller	No	3H/2C	Yes	LonWorks
VT7600H5500P	ZigBee Pro wireless heat pump Controller	No	3H/2C	Yes	ZigBee Pro
VT7600H5500W	Wireless heat pump Controller	No	3H/2C	Yes	Wireless
VT7652H5000	Stand-alone heat pump Controller	Yes	3H/2C	No	Stand-alone (network ready)
VT7652H5000B	BACnet heat pump Controller	Yes	3H/2C	No	BACnet
VT7652H5000E	LON heat pump Controller	Yes	3H/2C	No	LonWorks
VT7652H5000P	ZigBee Pro wireless heat pump Controller	Yes	3H/2C	No	ZigBee Pro
VT7652H5000W	Wireless heat pump Controller	Yes	3H/2C	No	Wireless
VT7652H5500	Stand-alone heat pump Controller	Yes	3H/2C	Yes	Stand-alone (network ready)
VT7652H5500B	BACnet heat pump Controller	Yes	3H/2C	Yes	BACnet
VT7652H5500E	LON heat pump Controller	Yes	3H/2C	Yes	LonWorks
VT7652H5500P	ZigBee Pro wireless heat pump Controller	Yes	3H/2C	Yes	ZigBee Pro
VT7652H5500W	Wireless heat pump Controller	Yes	3H/2C	Yes	Wireless

VT7600E | Communicating and network-ready Indoor air quality controllers

Indoor air quality is increasingly becoming a major concern to businesses, building managers, tenants, and employees because of its direct impact on the comfort, well-being, and productivity of the building's occupants. The VT7600E indoor air quality Controller, along with a CO_2 sensor, is a cost-effective solution capable of controlling economiser-free cooling and demand-based ventilation strategies, while providing a fresh air measurement input. When connected to a building automation system, the Controller can monitor and verify the CO_2 and fresh air levels, ensuring optimal air quality and energy efficiency.

Part Number	Description	Schedul-ing	Heat/Cool Stages	PIR Cover	Communication
VT7606E5000	Stand-alone IAQ Controller	No	2H/2C	No	Stand-alone (network ready)
VT7606E5000B	BACnet IAQ Controller	No	2H/2C	No	BACnet
VT7606E5000P	ZigBee Pro wireless IAQ Controller	No	2H/2C	No	ZigBee Pro
VT7606E5000W	Wireless IAQ Controller	No	2H/2C	No	Wireless
VT7606E5500	Stand-alone IAQ Controller	No	2H/2C	Yes	Stand-alone (network ready)
VT7606E5500B	BACnet IAQ Controller	No	2H/2C	Yes	BACnet
VT7606E5500P	ZigBee Pro wireless IAQ Controller	No	2H/2C	Yes	ZigBee Pro
VT7606E5500W	Wireless IAQ Controller	No	2H/2C	Yes	Wireless
VT7656E5000	Stand-alone IAQ Controller	Yes	2H/2C	No	Stand-alone (network ready)
VT7656E5000B	BACnet IAQ Controller	Yes	2H/2C	No	BACnet
VT7656E5000P	ZigBee Pro wireless IAQ Controller	Yes	2H/2C	No	ZigBee Pro
VT7656E5000W	Wireless IAQ Controller	Yes	2H/2C	No	Wireless
VT7656E5500	Stand-alone IAQ Controller	Yes	2H/2C	Yes	Stand-alone (network ready)
VT7656E5500B	BACnet IAQ Controller	Yes	2H/2C	Yes	BACnet
VT7656E5500P	ZigBee Pro wireless IAQ Controller	Yes	2H/2C	Yes	ZigBee Pro
VT7656E5500W	Wireless IAQ Controller	Yes	2H/2C	Yes	Wireless

VT7600F | Rooftop controllers for modulating heat

The new VT7600F Rooftop terminal equipment Controller with modulating heat can make your building more comfortable while still meeting the ventilation codes for minimum building fresh air requirements. The easy-to-install VT7600F includes modulating heat functionality, which allows the addition of an extra supply air temperature control loop to better control and condition the supply air levels for a more comfortable occupant environment.

Part Number	Description	Scheduling	Heat/Cool Stages	PIR Cover	Communication
VT7600F5000	Stand-alone modulating heat Controller	No	1H (analogue)/2C	No	Stand-alone (network ready)
VT7600F5000B	BACnet modulating heat Controller	No	1H (analogue)/2C	No	BACnet
VT7600F5000P	ZigBee Pro wireless modulating heat Controller	No	1H (analogue)/2C	No	ZigBee Pro
VT7600F5000W	Wireless modulating heat Controller	No	1H (analogue)/2C	No	Wireless
VT7600F5500	Stand-alone modulating heat Controller	No	1H (analogue)/2C	Yes	Stand-alone (network ready)
VT7600F5500B	BACnet modulating heat Controller	No	1H (analogue)/2C	Yes	BACnet
VT7600F5500P	ZigBee Pro wireless modulating heat Controller	No	1H (analogue)/2C	Yes	ZigBee Pro
VT7600F5500W	Wireless modulating heat Controller	No	1H (analogue)/2C	Yes	Wireless
VT7652F5000	Stand-alone modulating heat Controller	Yes	1H (analogue)/2C	No	Stand-alone (network ready)
VT7652F5000B	BACnet modulating heat Controller	Yes	1H (analogue)/2C	No	BACnet
VT7652F5000P	ZigBee Pro wireless modulating heat Controller	Yes	1H (analogue)/2C	No	ZigBee Pro
VT7652F5000W	Wireless modulating heat Controller	Yes	1H (analogue)/2C	No	Wireless
VT7652F5500	Stand-alone modulating heat Controller	Yes	1H (analogue)/2C	Yes	Stand-alone (network ready)
VT7652F5500B	BACnet modulating heat Controller	Yes	1H (analogue)/2C	Yes	BACnet
VT7652F5500W	Wireless modulating heat Controller	Yes	1H (analogue)/2C	Yes	Wireless

VT7682S | Wireless central manager

With wireless central managers customers benefit from simple yet flexible management of multiple equipment controllers from one convenient location. Facility managers can now efficiently administer parameters for up to 60 room controllers with one wireless central manager, saving both time and effort.

Wireless central manager

Part Number	Description	Communication
VT7682S5000W	Wireless central manager	Wireless

VT7600W | Water source heat pump controllers

The VT7600W water source heat pump Controller (with dedicated dehumidification sequences) provides exceptional control of water source heat pumps for commercial buildings. Common indoor air quality issues such as mold, mildew, condensation, poor occupant comfort, and overall building health can be effectively resolved in an energy-efficient manner. Simple to install and commission, this wall-mounted device monitors water temperature, as well as other points, offering added value without the additional costs related to more complex systems.

Part Number	Description	Scheduling	Heat/Cool Stages	PIR Cover	Communication
VT7600W5000	Stand-alone water source heat pump Controller	No	2H/2C	No	Stand-alone (network ready)
VT7600W5000B	BACnet water source heat pump Controller	No	2H/2C	No	BACnet
VT7600W5000P	ZigBee Pro wireless water source heat pump Controller	No	2H/2C	No	ZigBee Pro
VT7600W5000W	Wireless water source heat pump Controller	No	2H/2C	No	Wireless
VT7600W5500	Stand-alone water source heat pump Controller	No	2H/2C	Yes	Stand-alone (network ready)
VT7600W5500B	BACnet water source heat pump Controller	No	2H/2C	Yes	BACnet
VT7600W5500P	ZigBee Pro wireless water source heat pump Controller	No	2H/2C	Yes	ZigBee Pro
VT7600W5500W	Wireless water source heat pump Controller	No	2H/2C	Yes	Wireless
VT7652W5000	Stand-alone water source heat pump Controller	Yes	2H/2C	No	Stand-alone (network ready)
VT7652W5000B	BACnet water source heat pump Controller	Yes	2H/2C	No	BACnet
VT7652W5000P	ZigBee Pro wireless water source heat pump Controller	Yes	2H/2C	No	ZigBee Pro
VT7652W5000W	Wireless water source heat pump Controller	Yes	2H/2C	No	Wireless
VT7652W5500	Stand-alone water source heat pump Controller	Yes	2H/2C	Yes	Stand-alone (network ready)
VT7652W5500B	BACnet water source heat pump Controller	Yes	2H/2C	Yes	BACnet
VT7652W5500P	ZigBee Pro wireless water source heat pump Controller	Yes	2H/2C	Yes	ZigBee Pro
VT7652W5500W	Wireless water source heat pump Controller	Yes	2H/2C	Yes	Wireless

VZ7000 | Commercial zoning systems

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 analogue heat, CO_2 levels, and indoor air quality. Zoning controllers that provide floating and analogue damper control are also available. A single central Controller unit can support up to 64 individual zone controllers.

All zoning system controllers can be ordered 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.

Commercial zoning system - zone controllers

Part Number	Description	Output	PIR Cover	Communication
VZ7260C5000B	BACnet zoning Controller	Floating or on/off	No	BACnet
VZ7260C5000W	Wireless zoning Controller	Floating or on/off	No	Wireless
VZ7260C5500B	BACnet zoning Controller	Floating or on/off	Yes	BACnet
VZ7260C5500W	Wireless zoning Controller	Floating or on/off	Yes	Wireless
VZ7260F5000B	BACnet zoning Controller	0 - 10 V	No	BACnet
VZ7260F5000W	Wireless zoning Controller	0 - 10 V	No	Wireless
VZ7260F5500B	BACnet zoning Controller	0 - 10 V	Yes	BACnet
VZ7260F5500W	Wireless zoning Controller	0 - 10 V	Yes	Wireless

Commercial zoning system - Rooftop controllers

Part Number	Description	IAQ	Economizer	Modulating Heat	Communication
VZ7656E1000B	BACnet Rooftop Controller	Yes	Yes	No	BACnet
VZ7656E1000W	Wireless Rooftop Controller	Yes	Yes	No	Wireless
VZ7656F1000B	BACnet Rooftop Controller	No	No	Yes	BACnet
VZ7656F1000W	Wireless Rooftop Controller	No	No	Yes	Wireless
VZ7656R1000B	BACnet Rooftop Controller	No	No	No	BACnet
VZ7656R1000W	Wireless RooftopController	No	No	No	Wireless

Commercial zoning system - heat pump controllers

Part Number	Description	Communication
VZ7656H1000B	Bacnet heat pump unit Controller	BACnet
VZ7656H1000W	Wireless heat pump unit Controller	Wireless

Wireless accessories and specifications

Wireless integration

The wireless versions of the VT7000 provide a simple yet powerful solution which targets such retrofit installations where running new communication wiring is cost prohibitive. The wireless room controllers can dramatically reduce project installation costs by re-using the existing control wiring already in place between older electronic thermostats and the terminal equipment. No new network wires are required since the controllers rely on a fully integrated ZigBee wireless mesh network infrastructure. Connecting wireless VT7000 series devices into an iBMS network is made easy with two integration methods, either via a gateway or a wireless serial adapter.

Wireless gateway

The VWG-50-5000 gateway connects up to 50 wireless VT7000 devices to an iBMS network using a BACnet MS/TP or BACnet IP connection.

Part Number	Description
VWG-50-5000	Wireless gateway*
VWG-PS-AC-1000	Universal AC power supply (100 - 240 Vac to 15 VDC)

* The VWG-50-5000 does not come with a power supply. A VWG-PS power supply will be required for each gateway.

The wireless gateway corresponds to room controllers using proprietary ZigBee wireless (W) communications only.

These wireless gateways can only be used with the VT7000 Series models ending with W.

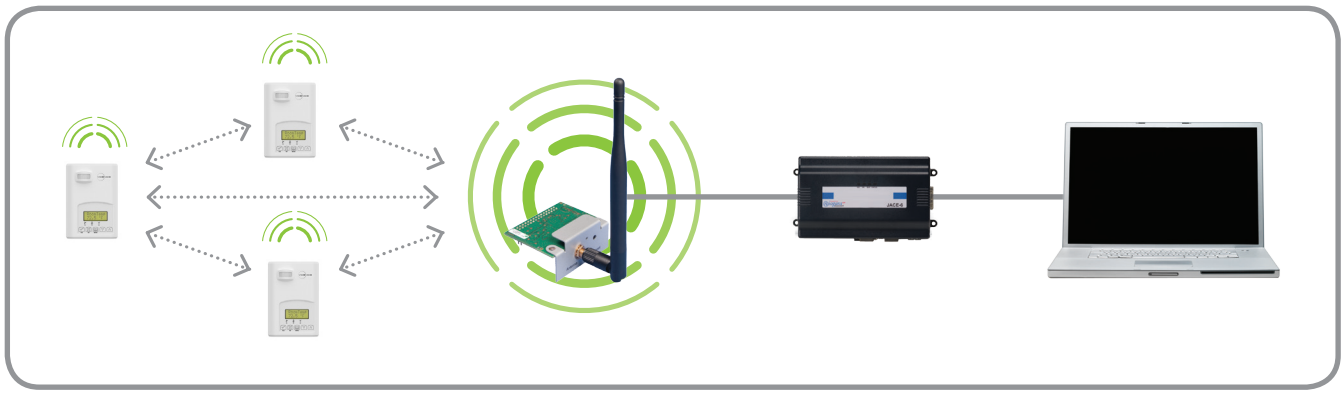
Wireless serial adapters

Connecting wireless VT7000 devices to an iBMS network can be simplified by adding a wireless module to existing network controllers. This is a more cost-effective solution.

Part Number	Description
VWG-APP-1000	Wireless Serial Adapter for TAC I/A Series TRD-J 600/700

- For Andover Continuum ACX with RS-485, an external RS-232 to RS-485 adapter is required.
- For TAC I/A Series ENC-520 applications, a CBL-xxx is required.

The wireless serial adapters correspond to room controllers using proprietary ZigBee wireless (W) communications only.



The wireless serial adapters correspond to room controllers using proprietary ZigBee wireless (W) communications only.

Wireless accessories

Part Number	Description
VRP5000W1000W	Wireless repeater
VST5000W5000W	Wireless survey tool
VWG-BB-1000	Battery back-up
VWG-RA-1000	Remote antenna
VWG-WA-1000	Whip antenna

These wireless gateways can only be used with the VT7000 Series models ending with W.

Wireless specs

Wireless gateway

Platform	
	PowerPC 405EP 250 MHz processor
	64 MB SDRAM and 64 MB serial flash
	128 kB static RAM
	Battery back-up - 5 minutes typical - shutdown begins within 10 seconds
	Real-time clock - 3 month back-up max via battery
Operating system	
	QNX® RTOS
	IBM® J9 JVM Java™ Virtual Machine
	Niagara^{AX}
Communications	
	2 Ethernet ports – 10/100 Mbps (RJ-45 connectors)
	1 RS 232 port (9 pin D-shell connector)
	1 RS 485 non-isolated port (3 screw connector on baseboard)
Environment	
	Operating temperature range: 0 to 50 °C (32 °F to 122 °F)
	Storage temperature range: 0 to 60 °C (32 °F to 140 °F)
	Relative humidity range: 5% to 95%, non-condensing
Agency listings	
	UL 916, c-UL listed to Canadian Standards Association
	(CSA) C22.2 No. 205-M1983 ‘signal equipment’
	CE, FCC part 15 Class A
	C-Tick (Australia)
Power supply	
	VWG-PS-AC 120 Vac to 15 VDC power supply for VWG with cord
Chassis	
	Construction: plastic, din rail, or screw mount chassis, plastic cover
	Cooling: internal air convection
	Dimensions: 160.4 mm (6.313”) W x 122.4 mm (4.820”) H (including connectors) x 61.9 mm (2.438”) D

These wireless gateways can only be used with the VT7000 Series models ending with W.

Accessories and specifications

From wired to wireless systems, remote sensors to communication boards and covers, VT7000 Series room controllers can be tailored for any application-specific needs.

Covers

VT7000 Series room controllers are compatible with passive infrared cover accessories. room controllers equipped with a passive infrared cover provide advanced active occupancy logic, which will automatically switch occupancy levels from ‘occupied’ to ‘stand-by’ and ‘unoccupied’ as appropriate. This built-in intelligence provides energy savings during occupied hours without sacrificing occupant comfort.

Part Number	Description	Compatibility
COV-PIR-ZN-5000	PIR cover for zoning controllers	VT7200 models
COV-PIR-FCU-C-5000	PIR cover for fan coil controllers (commercial)	VT7300 models (commercial)
COV-PIR-FCU-L-5000	PIR cover for fan coil controllers (hotel/lodging)	VT7300 models (hotel/lodging)
COV-PIR-RTUHP-5000	PIR cover for Rooftop/heat pump controllers	VT7600 models

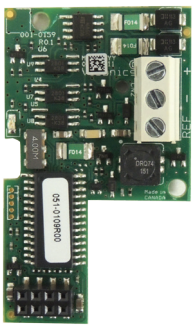
Remote sensors

Our discreet line of wall mount room sensors is used for advanced room temperature sensing. Each model is equipped with three thermistors and two dip switches for various averaging combinations, with a temporary override key and an occupancy LED available in the advanced model.

Part Number	Description
S3010W1000	Room sensor
S3020W1000	Room sensor w/override
S1010E1000	Casual type sensor for multi-purpose use
S2000D1000	Duct sensor with junction box
S2020E1000	Outside air sensor
S1010D1000	Charge over duct sensing

Wireless communication adapter

VT7000 Series room controllers are network ready, designed to accept the addition of communication. With a network card available for field upgrade, your system can be networked to an integrated building management system for the most advanced control and functionality.



Part Number	Description	Compatibility
VCM7000V5000W	Wireless communication card	VT7000 Series room controllers
VCM7200V5000P	Wireless ZigBee Pro communication card	VT7200 Series room controllers
VCM7300R5000P	Wireless ZigBee Pro communication card	VT7300 Series room controllers with RH
VCM7300T5000B	BACnet communication board	VTR7300 Series room controllers
VCM7300T5000E	LON communication card	VTR7300 Series room controllers
VCM7300V5000B	BACnet communication card	VT7200/VT7300 Series room controllers
VCM7300V5000E	LON communication card	VT7200/VT7300 Series room controllers
VCM7300V5000P	Wireless ZigBee Pro communication card	VT7300 Series room controllers without RH
VCM7600V5000B	BACnet communication card	VT7600 Series room controllers
VCM7600V5000E	LON communication card	VT7600 Series room controllers
VCM7600V5000P	Wireless ZigBee Pro communication card	VT7600 Series room controllers without RH
VCM7607V5000B	BACnet communication card	VT76x7 room controllers (with humidity option)
VCM7607V5000E	LON communication card	VT76x7 room controllers (with humidity option)
VCM7607V5000P	Wireless ZigBee Pro communication card	VT7600 Series room controllers with RH

The VCM7607V5000E (terminal equipment Controller Echelon LonTalk communication adapter) is not available for: VT7300F5x45X-ECM, VT7600W, VT7600F Room Controller models.

Accessories and specifications

Part Number	Description	Compatibility
VWA5000D5000W	Wireless door switch (ZigBee Classic)	These wireless gateways can only be used with VT7000 Series models ending with W
VWA5000W5000W	Wireless window switch (ZigBee Classic)	These wireless gateways can only be used with VT7000 Series models ending with W

Part Number	Description	Compatibility
SED-WIN-P-5045	ZigBee Pro window contact switch	VT8000/VT7000 room controllers with VCM8000V5000P/VCM7000 communication modules
SED-DOR-P-5045	ZigBee Pro door contact switch	VT8000/VT7000 room controllers with VCM8000V5000P/VCM7000 communication modules

*Wireless accessories are compatible with all VT8000 wireless adapter module, all VWA, and VT7000 wireless models.

Specs

	VT7200	VT7300	VT7600
			
Agency approval	CE, C-Tick, UL	CE, C-Tick, UL	CE, C-Tick, UL
Weight	0.34 kg (0.75 lb)	0.34 kg (0.75 lb)	0.34 kg (0.75 lb)
Dimensions (H x W x D)			
Non-PIR model	125 mm x 87 mm x 30 mm (4.92” x 3.41” x 1.16”)	125 mm x 87 mm x 30 mm (4.92” x 3.41” x 1.16”)	125 mm x 87 mm x 30 mm (4.92” x 3.41” x 1.16”)
PIR model	125 mm x 87 mm x 38 mm (4.92” x 3.41” x 1.47”)	125 mm x 87 mm x 38 mm (4.92” x 3.41” x 1.47”)	125 mm x 87 mm x 38 mm (4.92” x 3.41” x 1.47”)
Power supply	10 - 30 Vac (50/60 Hz)	10 - 30 Vac (50/60 Hz)	10 - 30 Vac (50/60 Hz)
Outputs			
Analogue	0 - 10 VDC	0 - 10 VDC	0 - 10 VDC
Triac	30 Vac, 1 amp	30 Vac, 1 amp	30 Vac, 1 amp
Operating conditions	0 - 50 °C (32 - 122 °F) 0 - 95% RH (Non-condensing)	0 - 50 °C (32 - 122 °F) 0 - 95% RH (Non-condensing)	0 - 50 °C (32 - 122 °F) 0 - 95% RH (Non-condensing)
Temperature sensor type	10K Type 2	10K Type 2	10K Type 2
Temperature sensor accuracy	± 0.5 °C (± 0.9 °F) @ 21 °C (70 °F)	± 0.5 °C (± 0.9 °F) @ 21 °C (70 °F)	± 0.5 °C (± 0.9 °F) @ 21 °C (70 °F)
Humidity sensor type*	N/A	Single point calibrated bulk polymer type sensor	Single point calibrated bulk polymer type sensor
Humidity sensor read range*	N/A	10 - 90% RH (Non-condensing)	10 - 90% RH (Non-condensing)
Humidity sensor accuracy*	N/A	± 5% @ 20 - 80% RH (Non-condensing)	± 5% @ 20 - 80% RH (Non-condensing)
Dehumidification setpoint range*	N/A	30 to 95% RH	30 to 95% RH
Economizer accuracy*	N/A	N/A	± 3% typical

* Available with selected models.

Remote sensor specs

Operating conditions	0 °C to 50 °C (32 °F to 122 °F) 0% to 95% RH non-condensing
Storage conditions	-30 °C to 50 °C (-22 °F to 122 °F) 0% to 95% RH non-condensing
Dimensions	125 mm x 87 mm x 30 mm (4.92” x 3.41” x 1.16”)
Approximate shipping weight	155 grams (0.34 lbs)
Enclosure material	ABS - FRI [WT1337V] UV stabilised

Temperature sensor type: Three (3) 10,000 ohm type 2 NTC thermistor for averaging functions

Relay Packs

VC3000 | Relay Pack

A compact and easy to install Relay Pack for line-voltage fan coil units to be used in combination with room controllers. The VC3000 is a Relay Pack for line-voltage fan coil units. The device is used with VTR7300 and VTR8300 room controllers as a two component retrofit option.

Features

The VC3000 Relay Pack features an onboard universal voltage power supply and line-voltage relays which directly drive fractional horsepower fan motors and valves. This eliminates the need to install and wire costly pilot relays and transformers.

No previous building automation training is required for the installation and commissioning process.

Existing line voltage wiring between the fan coil unit and temperature Controller can be reused further minimizing overall labor and installation costs.

Description	
Dimension	Height: 12cm/4.72in / Width: 8.6cm/3.38in / Depth: 2.5cm/1in
Power	
Voltage	7.0 VDC +/- 10% 2.4 watts minimum

Part Number	Applications	Fan control	Monitoring inputs	Control types
VC3500E5000	2 pipes 2 pipes with reheat 4 pipes	Up to 3 speed	None	On-Off line switched valve output control 1 heat / cool output 1 cool output 3 fan outputs
VC3504E5000	2 pipes 2 pipes with reheat 4 pipes	Up to 3 speed	4 FCU remote inputs	On-Off line switched valve output control 1 heat / cool output 1 cool output 3 fan outputs
VC3514E5000 (with occupancy output)	2 pipes 2 pipes with reheat 4 pipes	Up to 3 speed	4 FCU remote inputs	On-Off line switched valve output control 1 heat / cool output 1 cool output 3 fan outputs Occupancy output (7VDC)
VC3400E5000	2 pipes 2 pipes with modulating pulsed reheat	Up to 3 speed	None	On-Off line switched valve output control 1 heat / cool output 1 Modulating pulsed Vdc output for SSR electric reheat control 3 fan outputs
VC3404E5000	2 pipes 2 pipes with modulating pulsed reheat	Up to 3 speed	4 FCU remote inputs	On-Off line switched valve output control 1 heat / cool output 1 Modulating pulsed Vdc output for SSR electric reheat control 3 fan outputs
VC3300E5000 (slave fan unit)	Slave fan control only	Up to 3 speed	None	Slave fan control only 3 fan outputs

VC1300 | Mixed Voltage fan-coil package

A compact and easy to install Relay Pack for fan control for Mixed Voltages with 24VAC transformer units to be used in combination with VT7300 and VT8300 room controllers as a two component Mixed Voltage solution.

Mixed Voltage Application

In combination with the VT7300/VT8300 Series room controllers, the VC1300 allows control of a fan-coil requiring Mixed Voltage for the following:

- Line voltage for the 3-speed fan control (120V unit)
- Low voltage for valve control
- LED indication of relay status

Description	
Dimension	Height: 5cm/2in / Width: 14cm/5.5in / Depth: 17cm/6.7in
Power	
Voltage	110-130 Vac / 24 Vac
Contacts ratings	Resistive: 7 Amp / 1680 W ; Motor and or compressor: ¼ Hp / 10 LRA / 2.5 FLA approved for 30,000 operations at 240 VAC
24VAC low voltage power output	0.5A, 12 VA max
Outputs	
Number of outputs	3 on/off outputs

Part Number	Description
VC1300E5000	Fan control for Mixed Voltages with 24VAC Transformer

VC2300 | Mixed Voltage fan-coil package

A compact and easy to install Relay Pack for fan control for Mixed Voltages with 24VAC transformer units to be used in combination with VT7300 and VT8300 room controllers as a two component Mixed Voltage solution.

Mixed Voltage Application

In combination with the VT7300/VT8300 Series room controllers, the VC2300 allows control of a fan-coil requiring Mixed Voltage for the following:

- Line voltage for the 3-speed fan control (220/240V unit)
- Low voltage for valve control
- LED indication of relay status

Description	
Dimension	Height: 5cm/2in / Width: 14cm/5.5in / Depth: 17cm/6.7in
Power	
Voltage	220-240 Vac / 24 Vac
Contacts ratings	Resistive: 7 Amp / 1680 W ; Motor and or compressor: ¼ Hp / 10 LRA / 2.5 FLA approved for 30,000 operations at 240 VAC
24VAC low voltage power output	0.5A, 12 VA max
Outputs	
Number of outputs	3 on/off outputs

Part Number	Description
VC2300E5000	Fan control for Mixed Voltages with 24VAC Transformer

Energy savings for a healthy bottom line

Increase the comfort of patients, visitors, and employees while reducing energy consumption with our Series room controllers

Healthcare

Gain full room control of your environment, whether it's a patient room, waiting room, or anywhere within your facility. Our Series room controllers give you the flexibility to customise and configure based on your needs.

Retail

Enhance your system operation and efficiency with the Series room controllers. From a stand-alone device to simplified building management, Viconics room controllers are ideal for your ever-changing location.

Education

Whether it's a large campus with multiple buildings or a single primary school, the room controllers allow for scalability to control a wide variety of environments through occupied and unoccupied periods.

Hotels/lodging

Guest comfort meets energy efficiency with room controllers. The intuitive user interface allows guests to control their own environments while our occupancy sensor and simple programming ensure efficiency.

Commercial buildings

Viconics room controllers allow users to save costs and energy while providing a comfortable environment for maximum productivity. The system can be modified on site to match your specific energy conservation needs.

For more information, please visit www.viconics.com