

VT7600 Series Roof-Top & Heat Pump Thermostats PIR Ready Communicating and Non-communicating Thermostats



The VT7600 series PIR ready thermostats have been specifically designed to offer exceptional control of staged heating and cooling equipment such as packaged roof top units heat pumps. Distinct models are available to offer enhanced features such as economizer control via 0-10VDC output (VT7605 and VT7656) and Humidification & dehumidification models (VT7607 and VT7657) which offer advanced humidity control features. The VT7600 series has been enhanced to feature a new PIR cover option, which allows for incremental energy savings during occupied hours through switching occupancy based upon motion within the space.

The VT7600 series have been designed with installation, service and network flexibility in mind. Features such as hinged PCB board, removable terminal blocks, and onboard configuration menu, reduce overall project installation and commissioning time.

Advanced monitoring capabilities are present on board all VT7600 series with the presence of 2 digital inputs configurable for triggering remote alarms based on dry contact input, or occupancy functions. A Thermistor input provides remote discharge or return air monitoring opportunity for local diagnostic or via the network.

Network options including, BACnet MS/TP, Echelon Lontalk and Wireless Zigbee with appropriate BTL and Lonmark industry approvals, provide high functionality, low risk with proven integration, all functionality generally associated with traditional DDC controllers.

Product Highlights:

- ◆ PIR equipped & PIR ready base provides energy savings opportunity
- ◆ Network Options: BACnet MS/TP, Echelon Lontalk, Wireless Zigbee
- ◆ Advanced monitoring / Occupancy functionality
- ◆ Simple "thermostat like" setup and configuration
- ◆ Proven network integration (BTL/Lonmark Compliant devices)
- ◆ Large, Menu driven display / configuration menu
- ◆ Models with or without 7 day occupancy scheduling (2/4 events)

Simplified HMI



Unique 5 button menu driven user interface simplifies programming and commissioning time during typical installation of unit.

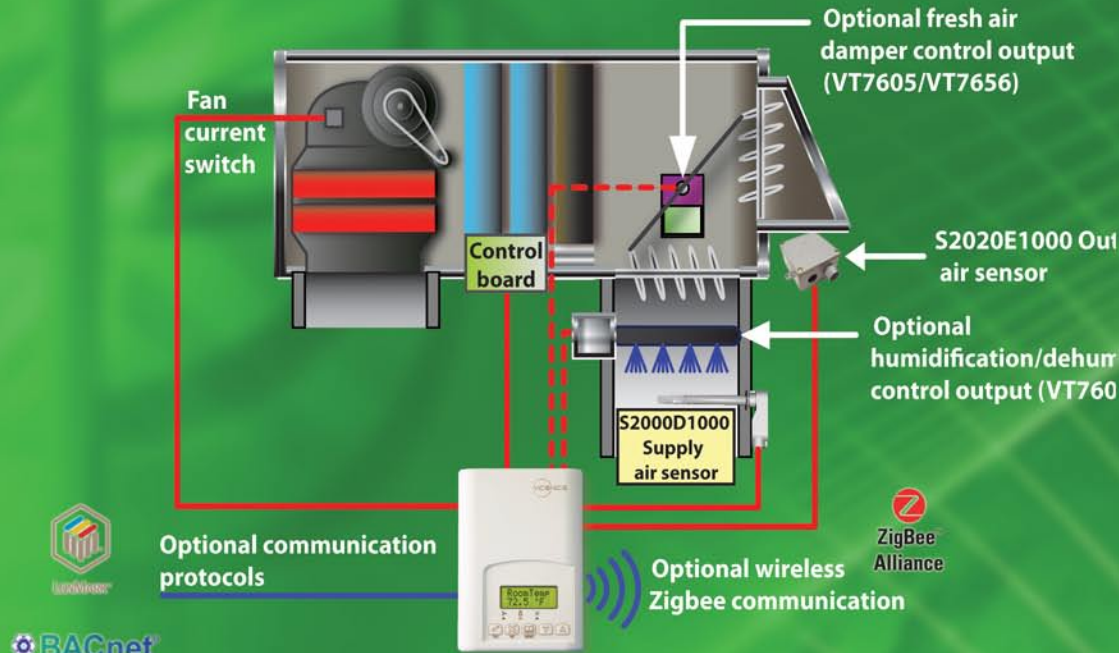
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Typical Roof-Top with Economizer (VT7600-Economizer series)

Five Step Model Selection Chart for VT7000 Digital Series Thermostats

Step 1	Step 2	Step 3	Step 4	Step 5 : Network			
Application	Model	Feature	Primary Outputs	Standalone	BACnet (MS/TP)	Echelon	Wireless (ZigBee)
Rooftop unit control, staged heat and cool, single speed fan, frost protection, progressive recovery.	No schedule	Single stage	ON/OFF 1H/1C	VT7600A5000	VT7600A5000B	VT7600A5000E	VT7600A5000W
		Multi-stage	ON/OFF 2H/2C	VT7600B5000	VT7600B5000B	VT7600B5000E	VT7600B5000W
		Economizer	ON/OFF 2H/2C	VT7605B5000	VT7605B5000B	VT7605B5000E	VT7605B5000W
		Humidity control	ON/OFF 2H/2C	VT7607B5000	VT7607B5000B	VT7607B5000E	VT7607B5000W
	Schedule	Single stage	ON/OFF 1H/1C	VT7652A5000	VT7652A5000B	VT7652A5000E	VT7652A5000W
		Multi-stage	ON/OFF 2H/2C	VT7652B5000	VT7652B5000B	VT7652B5000E	VT7652B5000W
		Economizer	ON/OFF 2H/2C	VT7656B5000	VT7656B5000B	VT7656B5000E	VT7656B5000W
		Humidity control	ON/OFF 2H/2C	VT7657B5000	VT7657B5000B	VT7657B5000E	VT7657B5000W
Heat pump control	No schedule		ON/OFF 3H/2C	VT7600H5000	VT7600H5000B	VT7600H5000E	VT7600H5000W
	Schedule		ON/OFF 3H/2C	VT7652H5000	VT7652H5000B	VT7652H5000E	VT7652H5000W

* PIR cover note: Replace 5000 with 5500 for factory installed PIR cover

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