VICONICS
Beyond Comfort

VT8300 Low Voltage Fan Coil and Zone Controller

Display your own logo and custom messages on configurable color screen to reinforce your brand and provide a more enjoyable occupant experience.

2013.09.26   2:43 PM

Occupied

Indoor °F

73.5°

74.5

Humidity | Outdoor
45 % | 64 °F

Room 1705

VT8300 Room Temperature Controller

www.viconics.com

VT8300 Low Voltage Fan Coil 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 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.

The Room Controllers are specifically designed to provide exceptional temperature control of multi-speed Fan Coil units. All models can provide advanced occupancy routines and automatic energy savings during occupied periods without sacrificing occupant comfort. When compared to traditional building automation controllers, the VT8300 series Fan Coil Room Controllers provide unmatched return on investment.

Customizable Options

- 5 customizable colors for digital touch screens
- Supports the upload of a custom standby screen
- Supports the display of custom messages when integrated to a BACnet system
- Multi-language support for English, French, Spanish, Chinese, and Russian
- °C/°F temperature scales

Options and accessories

- On-board occupancy sensor (optional)
- RH sensor with dehumidification control (optional)
- Can be used with wireless door and window contact sensors (optional)

Selectable Color Schemes and Languages

Dark grey / English HMI   Blue / French HMI   Green / English HMI   Grey / Spanish HMI   White / Chinese HMI

ZigBee™ Alliance
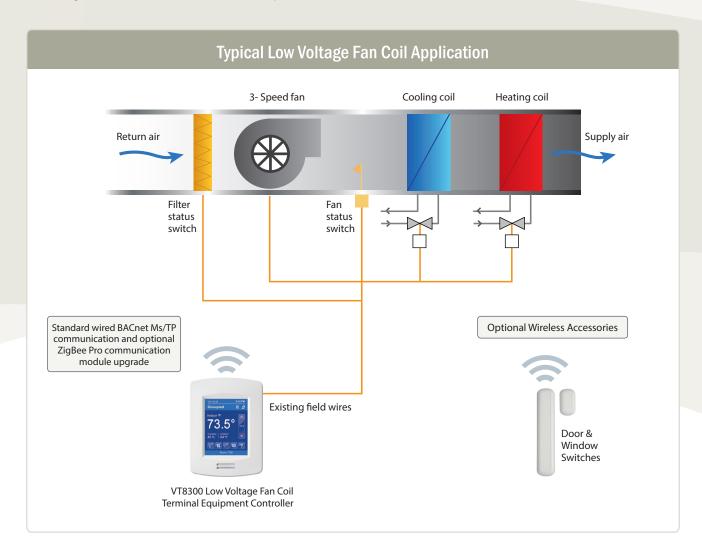Wireless Control That Simply Works

BACnet
International

Product Highlights

- Suitable for both commercial and hospitality markets and systems
- Humidity sensor with on-board dehumidification strategy (model dependent)
- Optional occupancy sensor
- Advanced occupancy functions for commercial and lodging applications
- Optional wireless door and window switches (with optional ZigBee Pro® card) available for wireless communicating models only
- Configurable fan sequence of operation
- On board configuration utility

Supported Networking Protocols

- BACnet® MS/TP (default model)
- ZigBee Pro® wireless mesh network (optional)

Typical Low Voltage Fan Coil Application

3- Speed fan

Cooling coil

Heating coil

Return air

Supply air

Filter status switch

Fan status switch

Standard wired BACnet Ms/TP communication and optional ZigBee Pro communication module upgrade

Optional Wireless Accessories

Existing field wires

Door & Window Switches

Indoor °F
73.5°

VT8300 Low Voltage Fan Coil Terminal Equipment Controller
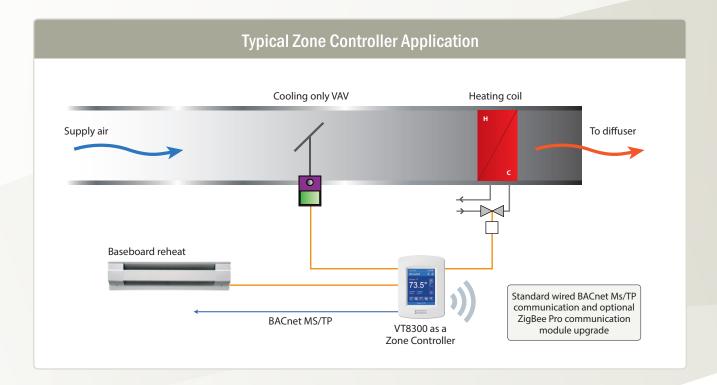
VT8300 for Zone Control Application

The VT83000 can also be used as a Zone Controller to control ON/OFF, floating, or 0 to 10 Vdc heating or cooling terminal equipment, such as pressure dependent VAVs, valves, and other end devices.

Zone Applications

The following show common applications when used as a Zone Controller:

- Cooling only VVT zone with reheat
- Fin-tube radiators
- Cabinet heaters
- Radiant panel heaters
- Electric re-heat zones
- Pressure dependent VAV system
- Terminal reheat

The above options are similar to those provided by the VT7200 series Room Controllers

Typical Zone Controller Application

Cooling only VAV   Heating coil

Supply air   H   To diffuser

          C

Baseboard reheat

BACnet MS/TP

VT8300 as a
Zone Controller

Standard wired BACnet Ms/TP communication and optional ZigBee Pro communication module upgrade

> For more information on Viconics solutions
 please visit us at www.viconics.com

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