



VTR8300 Fan Coil Unit Thermostat Retrofit Solution

For Commercial and Hospitality Markets

Viconics Technologies introduces its newest cost effective solution for upgrading line-voltage fan coil unit thermostats! 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.

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 easy installation and commissioning process, which can be completed in about fifteen minutes, reducing overall installation time and installation costs.

The VTR8300 controller features a fully digital multi-language touch screen display which can be user customized for different requirements. The controllers built-in commissioning and configuration utility along with its temperature sensor and optional humidity and occupancy sensor provides maximum flexibility. The VTR8300 controller is available in Network Ready, BACnet® MS/TP or wireless ZigBee® networked models. Network Ready models can be easily installed with optional network communication modules for either BACnet® MS/TP or wireless ZigBee® protocols. The wireless ZigBee® communication adapter allows for data exchange and connectivity into the Niagara AX™ software framework and development environment.

The Viconics VTR8300 & VC3000 retrofit solution represents the most cost effective fan coil retrofit solution available today!

For more information on this and other Viconics control solutions, please visit us at www.viconics.com



VTR8300 Series Fan Coil Terminal Equipment Controller



VC3000 Line-voltage Switching Relay Pack



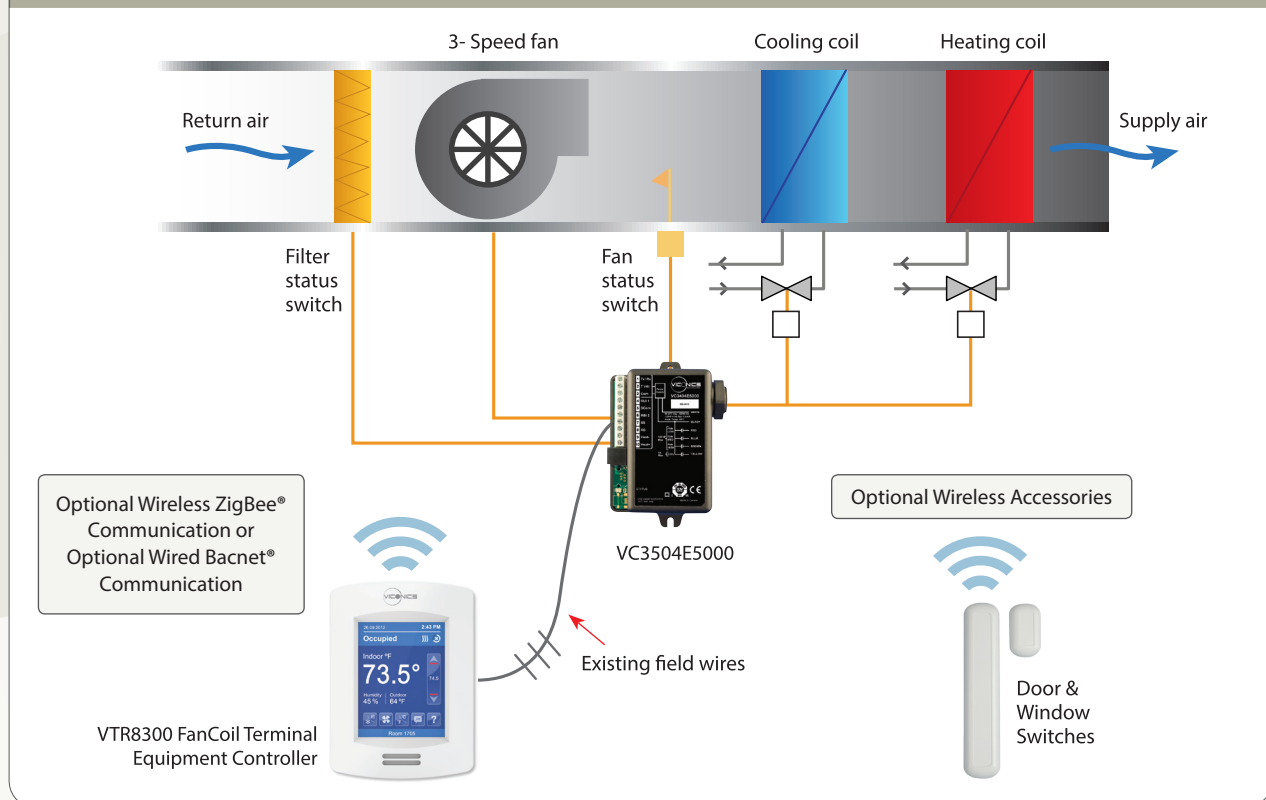
VTR8300 Product Highlights:

- Suitable for both commercial and hospitality markets and systems
- Customizable color digital touch screen interface with multi-language support
- 7 day occupancy scheduling (2-4 events)
- Humidity sensor with on-board dehumidification strategy (Model dependent)
- Optional occupancy sensor cover
- Advanced occupancy functions for commercial and lodging applications
- Optional wireless door and window switches available for wireless communicating models only
- Configurable fan sequence of operation
- On board configuration interface utility

VC3000 Product Highlights:

- Extremely compact design
- Line powered from 90 to 277 VAC 50-60 Hz
- Wire-leads for line-voltage connections
- Direct line switching of fan speed and valves
- Directly switches single phase electric resistive heater up to 10 Amps
- Dedicated supply air sensor for monitoring (Model dependent)
- Dedicated return air sensor for control (Model dependent)
- Two extra monitoring binary inputs (Model dependent)
- Extra SSR output for low cost electric heat modulation (Model dependent)

TYPICAL APPLICATION



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