

Single Zone VAV Conversion Kit



An Engineered Solution for your Voyager™ Packaged Rooftop Unit

The Single Zone Variable Air Volume (VAV) Conversion Kit allows for an existing constant volume Voyager™ packaged rooftop unit to be converted to variable air volume. This conversion offers many benefits, including making the unit more efficient, and improving comfort, humidity, and sound levels.

All parts used in the conversion kit are Trane OEM, the same ones used in the factory production Single Zone VAV rooftop units. Trane knows every detail about the equipment and we can use that knowledge to service your equipment in the most effective manner.

Program Content

The Single Zone VAV Conversion includes all of the parts necessary to convert a Voyager packaged rooftop unit to multi-speed (Title 24 compliant) operation or fully modulating VAV.

For a Voyager unit to qualify for the retrofit, it must meet the following criteria:

- Tonnage must be 12.5 – 25
- It must have ReliaTel™ controls already installed (2004)

The ideal applications for Single Zone VAV are:

- Those spaces with intermittent use or highly variable occupancy, such as conference rooms, retail spaces, churches, theaters, or other similar areas.
- Units that were oversized when initially installed, which has ultimately lead to humidity control issues.

The base conversion kit includes:

- Updated control modules (with the latest version of ReliaTel)
- Inverter Duty Supply Fan Motor
- Variable Frequency Drive
- Discharge Air Temperature Sensing Kit
- All wires and connections
- Mounting hardware
- New wiring diagrams for the unit

Additional Kit Options

We can also customize the conversion kit to fit your unique needs.

The following options are available:

- Demand Control Ventilation Kit (Wall or Duct Mount)
 - This is only available for those units that already have economizer.
- Shaft Grounding Ring for Supply Fan Motor
- Communications Module
- Zone Sensor - A zone sensor is required for the unit to operate as a fully modulating unit. Multispeed operation can be done using a standard thermostat.

Consult your local Trane account manager for more information and to see if the Single Zone VAV conversion kit is a good option for your equipment.



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