

CEILING GRID VENT SYSTEM

CONTROL OPTIONS

VS-CGVS

DESCRIPTION OF FUNCTION:

The unit is highly customizable but was designed to have 2 banks of fans, one with 4 fans, one with 5. This improves efficiency and creates redundancy.

This configuration also provides for various powering and control options which will be discussed in this document.

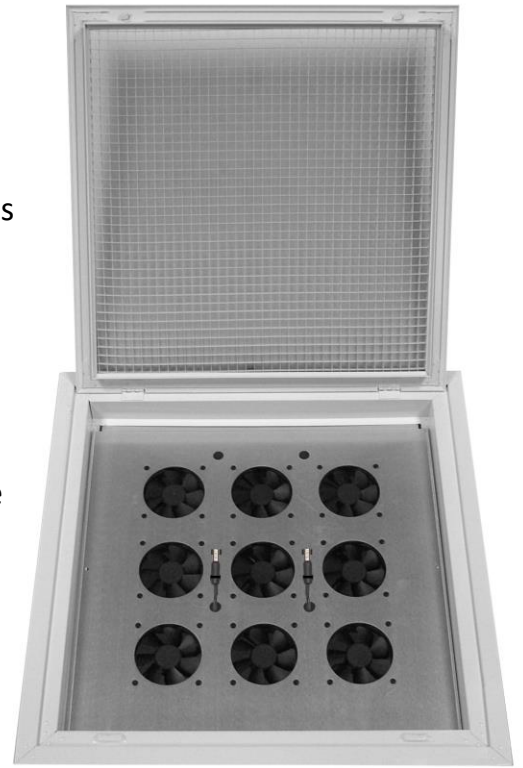
DESCRIPTION OF CONTROLLERS:

The below controllers are mounted on the unit but can also be mounted remotely (away from the unit)

- Basic Controllers – Very basic on/off control of the two banks of fans
- Advanced LT Controllers – More Advanced On/Off & Variable Speed Control

These controllers are mounted remotely (away from the unit)

- Advanced System Controller – Advanced & Fully programmable on/off/ variable speed control. This unit is shelf mounted.
- Advanced Ventilation Controller – Mounted thermostat style programmable on/off controller.



BASIC CONTROLLERS (VS-CGVS-BSC)

This option includes two Basic Controllers (TC-BSC), one set at 80°F and one at 90°F. These are on/off controllers meaning the turn the fans on at the set point and off approximately 2° or 3° the set point. The controllers are mounted on the unit.

Optional: Controllers with other set points can be used with options including 100° and 110°.

ADVANCED LT CONTROLLERS (VS-CGVS-ALT)

This option includes the 3Fan Advanced LT controller (TC-ALT-3FN) which are on/off and variable speed control. The controller turns the fans on at the set point and ramp up the speed of the fans as the temperature increases. The controller has 5 modes: 70° 80°, 90°, 100 or 110° for each of the 3 banks of fans. There is also an alarm at 115° or 125°F for each bank of fans as well. This controller is mounted on the unit.

ADVANCED SYSTEM CONTROLLER (VS-CGVS-ASC)

This option includes the Dual Advanced System Controller which is fully programmable and includes triggers, contact closures on alarm...

Typically this unit would be installed with equipment or on a shelf.



ADVANCED VENTILATION CONTROLLER (VS-CGVS-AVC)

This option includes the Advanced Ventilation Controller which is a high voltage controller and is used to control an outlet used to then power the Ceiling Grid System. An image of this is on the following page. This controller is on/off control with various features discussed in more detail on the next page. We have also recently added a 12V DC AVC unit as well.



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