

# Advanced Ventilation Controller (TC-AVC)



COOL COMPONENTS  
INCORPORATED

## Features

- Backlit LCD Display Shows Temperature in Fahrenheit or Celsius
- Universally Controls Most High Voltage Fans
- Can Be Wired to an Outlet to Control Low Voltage Fans
- Programmable Set Points for Fan On and Alarm
- Multiple Relays for Advanced Features
  - Additional fan units can be connected to turn on at higher temperatures
- Wall Unit Mounts in a 1-Gang Box Turned Horizontally
- Aesthetically Pleasing - Looks Like HVAC Thermostat
- Wall and Rack Versions Available
- 110/220V AC Versions Available
- ETL Listed and CE Mark

The Advanced Ventilation Controller (TC-AVC) is a programmable thermostat used to control high and low voltage fans that are typically being used for ventilation of closets or enclosures that utilize remote ventilation fans. The controller can be hardwired to control most high voltage fans such as the Cool Components VS-IDF Inline Duct Fan and the VS-RSC Remote System Cooler. It controls low voltage fans by hardwiring it directly into an electrical outlet and then plugging the low voltage power adapters into that outlet.

The AVC enables the user to select the appropriate set points for turning fans on and also for an alarm or other device. The controller is wall and rack mountable, fully programmable and features an attractive backlit LCD display to show ambient temperature that also makes programming simple. In addition to a built-in temperature sensor, an optional 20 foot remote sensor is available for added versatility. This may be used when sensing and controlling the temperature in a projector enclosure, rack or other remote location.

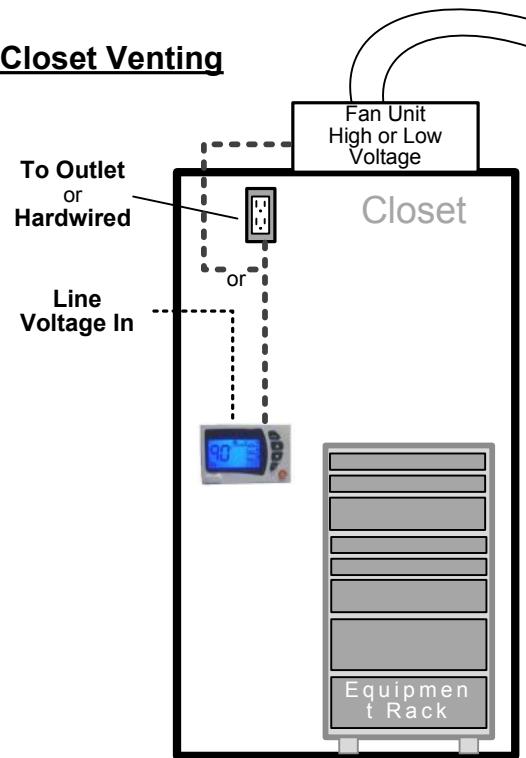
The controller features 2 primary relays for fan and alarm functions as well as 3 additional relays for more advanced functionality. The temperature on and alarm relays are user programmable while the remaining 3 work in conjunction with those set points. The primary relay, #1, turns on at the set point but then relay #2 activates at 6°F higher and relay #3, 15°F higher than the main set point. For example, if you have an equipment rack with high-voltage fans, you could attach primary fans to relay #1 and then secondary fans to relay #2. Venting fans could then be connected to relay #3. Ultimately the two alarm relays, relays 4 and 5, could be used to sound an audible alarm or power emergency fans to protect against a catastrophic failure.

**Please Note: This is a high voltage product. Be sure to contract a licensed electrician to ensure a safe and proper installation according to local building and electrical codes.**

**All relays and outputs are high voltage, DO NOT CONNECT low voltage devices directly to the unit. This will result in catastrophic damage to equipment and personal injury.**



## Closet Venting



## Projector Venting

