

Advanced LTV2 Controller

TC-ALTV2



COOL COMPONENTS
INCORPORATED

The TC-ALTV2 provides automated on/off and variable speed control based on temperature. It also features an alarm and three selectable modes with different on/off setpoints. The “On” setpoint for Mode 1 is 80°F/27°C, and is most appropriate for equipment room or closet applications. The setpoint for Mode 2 is 90°F/32°C, and is designed for cabinet, rack, and enclosure applications. Mode 3 is 100°F/38°C, and is also designed for cabinet, rack and enclosure applications but offers a higher setpoint for applications where the controller’s sensor must be in close proximity to components or a higher temperature is simply desired. This mode is also ideal for two stage cooling applications when two controllers are used with one controller set on Mode 2 and another set on Mode 3.



For each Mode, the fan/s will turn on at 50% speed and will increase in speed in a linear progression until full speed is reached at ~10°F above the “On” setpoint. As the system cools down the fan/s will slow down in a linear progression and ultimately turn off when the temperature drops ~3°F/2°C below the “On” setpoint. The alarm is set at a fixed 115°F/41°C.

Another advantage of the unit is that the unit can be mounted most anywhere since it utilizes a remote sensor. In even more extreme applications, the sensor can be extended to control remotely mounted fans in projector enclosures, ventilation applications, etc.

Features

- On/Off Fan Control Based on Temperature
- Variable Fan Speed Based on Temperature
- 3 Separate Modes with Progressive Setpoints
- Fixed Setpoint Alarm to Protect Systems from Overheating
- Sensor can be Extended for Remote Equipment Applications
- Compact Size for Easy Placement
- Mounting Flanges Make Installation Easy and Professional
- Polarity Protected

General Specifications

Unit Dimensions: L - 3" x W - 1 3/8" x D - 3/4" (76 x 35 x 19mm)
Construction: Black ABS Plastic

Power Specifications

Connection: 2-Pin FastWire Power System (Ensure proper polarity - Tip to +)
Voltage: 12VDC (must be Operated at 12V)
Amperage: 1 Amp (Max)