

AIRIUS DELTA-T CONTROL

Airius Delta-T controls allow for 6 modes of quiet speed control by utilizing an autotransformer to eliminate the hum often associated with TRIAC type controls. Compatible with all SP and PSC motor options.

Transformer Dimensions: 4" x 9.5" x 9.5"

Weight: 25 lbs

Certifications: ETL Pending

Operating Temperature: -30 to 140°F

Humidity Range: 5 to 95% RH (non-condensing)

Power Input: 120VAC, 230VAC or 277VAC (input depends on model selection)

Power Output: 8 Step voltage output 0 to 115V, 0 to 230V, or 0 to 277V (output depends on model selection)

Communication Wiring: 4 conductor 22-24AWG, low capacitance

Interface Display Type: LCD

Units: Fahrenheit or Celsius

Interface Input Power: 24VDC

High Sensor: Air Temperature and humidity

Low Sensor: Air Temperature and humidity

Limitations: : Max distance of 82ft between interface and sensors. 82ft from interface to transformer.



Modes of operation include:

- Automatic Delta-T control - Automatic dynamic fan speed control based off the differential between the supplied temperature sensors. Users can define and adjust max/min speed and set speed at various Delta T intervals.
- Manual control - Up/down arrows on the interface will override any automatic control modes for 8 manual speed steps.
- 24hr Timer - Set fans to turn on and off at a set time everyday.
- Humidistat control - When relative humidity reaches a user defined threshold the fans energize to a set speed defined by the user.
- Thermostat control - When the air temperature reaches a user defined threshold the fans energize to a set speed defined by the user.
- Direct Digital Control - 0-10VDC control input for controlling fan speed across 8 speed steps.

Each package includes the transformer control box, LCD interface and two temperature/humidity sensors.

Requires wiring and three standard 2x4 electrical boxes.

Warranty: 1 year parts and workmanship.

Part Numbers (Select proper voltage for application):

- DeltaT-Transformer-115-Pack
- DeltaT-Transformer-230-Pack
- DeltaT-Transformer-277-Pack

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Wiring Diagram

