

Titus TA-1

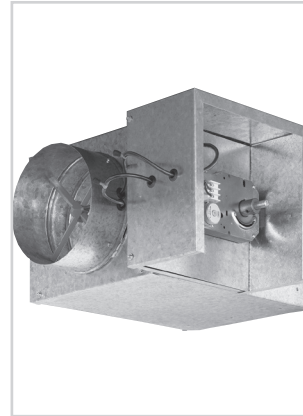
Overview

TA-1 Analog Control

Analog electronic controls are an excellent comfort solution in small to medium buildings, retrofit, and tenant-finish applications. They provide precise, accurate control without compressed air or the sophistication of a digital control system. These controls are compact, self-contained, and easy to set up and balance. There are no components requiring maintenance after balancing.

All adjustments are made simply at the thermostat, using a small screwdriver and a digital volt/ohmmeter (VOM). Voltage settings representing minimum, maximum and auxiliary airflow setpoints do not shift with time. Temperature adjustments are made using convenient sliders, hidden under the tamper proof cover.

The TA1 was designed to provide maximum performance while reducing wiring, installation, and overall system complexity. This controller provides, in a single circuit board, all of the components necessary to operate a VAV damper, up to three stages of reheat, and a proportional water valve. In addition, control strategies such as night setback, heating/cooling changeover, morning warm-up, and primary damper overrides are handled without requiring any add-on boards or modules.



AESV - TA1



THERMOSTAT INSTALL

Like all Titus controls, TA1 is compatible for use with the standard Titus AeroCross™ multi-point, center averaging velocity sensor to ensure accurate inlet velocity control regardless of inlet duct configuration. The TA1 is shipped to you mounted within a heavy duty metal enclosure prepped and wired to the electric actuator.

The Titus TA1 controller offers a simple and economical way to achieve highly accurate flow and temperature control!



See website for Specifications

MODEL:

Titus TA-1

SYSTEM FEATURES

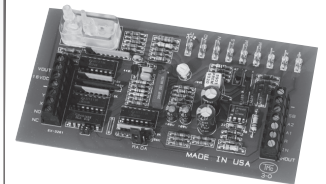
- Precise temperature control
- No compressed air needed

- Excellent repeatability with time
- No programming required
- Stand-alone control system
- Easy installation and balancing
- Application flexibility

Titus CONTROLLER

- Titus AeroCross™ multi-point, center averaging velocity sensor for accuracy
- Platinum/ceramic flow through transducer for reliability
- Snaptrack mounting for easy serviceability
- One model handles all standard control strategies
- Pressure independent VAV damper control

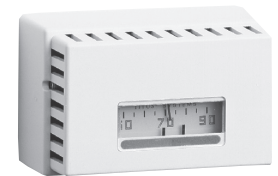
- Constant or intermittent fan stage sequencing
- Operates up to three stages of reheat
- Controls 0 to 10 VDC proportional hot water valves
- Controls 24 VAC on/off auxiliary heat
- Automatic changeover capability
- Temperature setback available



THERMOSTAT

- Contains all adjustments for easy balancing
- Bi-metal temperature indicator

- Minimum, maximum, and auxiliary flow limit adjustments
- Live velocity readout terminal
- Tamper proof cover



Titus ACTUATOR

- 24 VAC tri-state damper actuator
- Rugged construction
- No stall design featuring magnetic clutch

- Linkage release button
- 50-inch per pound minimum torque rating
- 5-minute full stroke time

