



TA168 PROPORTIONAL THERMOSTAT – 0 – 10 VDC / 4 – 20 MA

Highlights:

- Microprocessor Control
- LCD Display
- 0 – 10 VDC or 4 – 20 mA Outputs
- Low Voltage Fan Cycling Operation
- Multi-Speed Fan Switching Available
- 2-pipe/4-pipe Configuration
- Summer/Winter Changeover Option
- Setback Capability
- Staged Heat Option
- Operates at 50 or 60 Hz
- Fahrenheit or Celsius Display

Applications:

- 0 – 10 VDC / 4 – 20 mA Valves and Dampers

Temperature Range:

- Setpoint 50 to 90°F / 10 to 32°C

The TA168 microprocessor thermostat is a stand-alone digital controller that supplies 0 - 10V VDC or 4 - 20 mA output control of valves and dampers. The use of an advanced proportional integral (PI) algorithm allows precise control of zone comfort under varying operational and environmental conditions.

The digital display, with easy-to-use adjustment buttons, allows convenient access to current zone temperature, set point temperature and operating mode. Optional changeover, setback and auxiliary heat functions are available, on selected models, for adapting to application requirements.

Technical Specifications:

Supply Voltage:	20-30VAC, 24VAC nom.
Control Signal, Voltage:	0-10VDC, min 1k Ω
Control Signal, Current:	4-20mA, between 100 Ω and 600 Ω
Proportional Band Width:	2°F / 1°C
Temperature Range:	50 to 90°F / 10 to 32°C
Maximum Ambient:	130°F / 54°C
Load Connections:	Terminal block
Mounting:	Installs on a standard 2" x 4" device box
Agency Approvals:	UL, UL Canada, CE