

Proportional Thermostats

T921 Proportional Thermostats



Proportional Thermostats provide low voltage, 3-wire control for valve motors, damper motors, and balancing relays in heating or cooling system applications.

- Bellows element adjusts potentiometer slider to regulate motor operation
- Removable setting knob prevents unauthorized tampering with setpoint

Dimensions, Approximate: 5 11/16 in. high x 3 3/8 in. wide x 2 1/4 in. deep (144 mm high x 86 mm wide x 58 mm deep)

Mounting: Wall mount

Throttling Range: 2.5 F (1.4 C)

Product Number	Setpoint Temperature Range		Output Signal	Includes
	(F)	(C)		
T921A1183/U	—	13 C to 29 C	135 Ohm potentiometer	Celsius model
* T921A1191/U	56 F to 84 F	—	135 Ohm potentiometer	* model which includes slotted sides and an add-on faceplate to allow thermostat to be mounted horizontally
T921G1005/U	56 F to 84 F	—	135 Ohm potentiometer	—

* TRADELINE models • SUPER TRADELINE models

Proportional Thermostat Parts and Accessories

Product Number	Description	Used With
100653A/U	Potentiometer Assembly for use with T921	T921
130224/U	Knob - Adjusting	—
4074BKB/U	Envelope assembly for T921	—
50014156-002/U	Remote room sensor for the ZonePRO®	ZonePRO
50014157-001/U	Duct temperature sensor for the ZonePRO®	ZonePRO

ZonePRO® Modulating/Floating Control Thermostats



The ZonePRO® thermostats are for low-voltage pressure-dependent variable air volume (VAV) applications. ZonePRO can also be used for hydronic perimeter heating/cooling and bypass box with or without reheat. The four models cover modulating applications, floating applications and applications that require up to two additional outputs for reheat.

- Provides modulating (2 to 10 Vdc analog) control (TB7980)
- Provides floating control (TB6980)
- Provides 2 additional outputs (TB6980B and TB7980B)
- Provides max. and min. setpoints for heating and cooling
- Provides a night setback (NSB) terminal for energy savings

Dimensions, Approximate: 2 5/8 in. wide X 4 9/16 in. high X 1 in. deep (69 mm wide X 118 mm high X 27 mm deep)

Power Supply: 24 Vac

Frequency: 60 Hz

Mounting: Wall mount

Product Number	Setpoint Temperature Range		Output Signal	Output Signal Burden	Additional Outputs	Description
	(F)	(C)				
TB6980A1007/U	50F to 95F	10C to 35C	Floating	0.5A max @ 24Vac	—	Floating control
TB6980B1006/U	50F to 95F	10C to 35C	Floating	0.5A max @ 24Vac	1 Analog/TRIAC1 TRIAC	Floating control with 2 additional outputs
TB7980A1006/U	50F to 95F	10C to 35C	0-10 Vdc or 2-10 Vdc	0-10V, 10k min	—	Modulating (0-10Vdc) control
TB7980B1005/U	50F to 95F	10C to 35C	0-10 Vdc or 2-10 Vdc	0.5A max @ 24Vac	1 Analog/TRIAC1 TRIAC	Modulating (0-10Vdc) control with 2 additional outputs