

Proportional Thermostats

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 (TB6980A and TB7980A)
- 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)

Mounting: Wall mount

Power Supply: 24 Vac

Frequency: 50 Hz; 60 Hz

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

* TRADELINE models • SUPER TRADELINE models

ZonePRO® Modulating Thermostat Cross Reference

Product Number	Replaces	Compatible Valves	Compatible Actuators	Sensors and Accessories
TB6980A1007	T6984A1059	VC6930, VC6934, VC6936, M6410, M6435	ML6984A1006, ML6420, ML6161B2024, MN6105A1011	R841 series of electromechanical relays, 50014157-001 air duct sensor, 50014156-002 space sensor, ST6008A1003 and ST7009A1003 time clocks, 209651A wall plate, D3 and D690 dampers
TB6980B1006	T6984D1046, T6984E1043			
TB7980A1006	T7984A1057, T7984A1065	VC7930, VC7934, VC7936, M7410, M7435	ML7984A4009, ML7420, ML7161A2008, MN7505A2001	
TB7980B1005	T7984B1005, T7984C1053			