



FLOATING AND ANALOG THERMOSTATS
FOR PRESSURE-DEPENDENT VAV

**The Attractive, Cost-Effective
Alternative To Expensive
Networked Zoning Systems**

The Energy Savings Of Digital Control. The Sleek Look Of Modern Design.

Honeywell ZonePRO™ floating and analog thermostats are designed for control of valve or damper actuators, offering a cost-effective substitute to expensive networked zoning systems. This type of thermostat is typically used in pressure-dependent variable air volume (VAV) applications, such as airport terminals or large office buildings with many zones, but can be used in any application that requires floating or analog control of an actuator.

ZonePRO thermostats have a sleek, modern design — ideal for those customers looking to upgrade the appearance and functionality of their older zoning systems. In a variety of applications, ZonePRO provides the easy installation, energy savings and control that you have come to expect from Honeywell.



Four Models To Meet All Your Zoning Needs

There are four ZonePRO models, two for floating control and two for analog control. Each offers similar core functionality; however, the “B” models have an additional modulating output and triac output (a triac is a digital on/off output similar to a relay, but there’s no noise when it opens or closes).

OS #	Description
TB6980A1007	Floating output
TB6980B1006	Floating output plus an additional analog output and triac output ¹
TB7980A1006	Analog output ²
TB7980B1005	Analog output plus an additional analog output and triac output ^{1,2}
OS #	Accessories
R841	Family of electromechanical relays
50014156-002	Remote room sensor
50014157-001	Duct temperature sensor
209651A	Cover wall plate

¹Additional analog output can be configured as a triac digital output, ²All analog outputs are configurable for 0-10Vdc or 2-10Vdc

Easy Installation

For zoning control in retrofit applications, ZonePRO thermostats are the perfect choice. ZonePRO thermostats are easy to install and feature a configuration code that's a snap to program.

Numerous Applications

ZonePRO thermostats are a cost-effective solution for a variety of applications. The ZonePRO has additional analog and triac outputs which allow you to control several types of applications.

Zone Applications

- Pressure-dependent VAV systems
- Cooling-only VVT zone with reheat
- Hydronic hot/cold water valve

Reheat Applications

- Radiant panel heaters
- Cabinet heaters
- Fin-Tube radiators

Air Handler

- Automatic changeover
- Discharge air
- Limited cooling
 - Fresh air control

Energy Savings

As a cost-effective alternative to DDC systems, the ZonePRO provides digital accuracy with energy-saving features, helping to reduce costs even more.

- Night Setback Input — Though this thermostat is non-programmable, there is an input on the thermostat that will set the thermostat to an energy-saving setpoint when an external time clock or occupancy sensor is activated.
- Range Stop Temperature Limits — The user can set a maximum heating and minimum cooling setpoint.



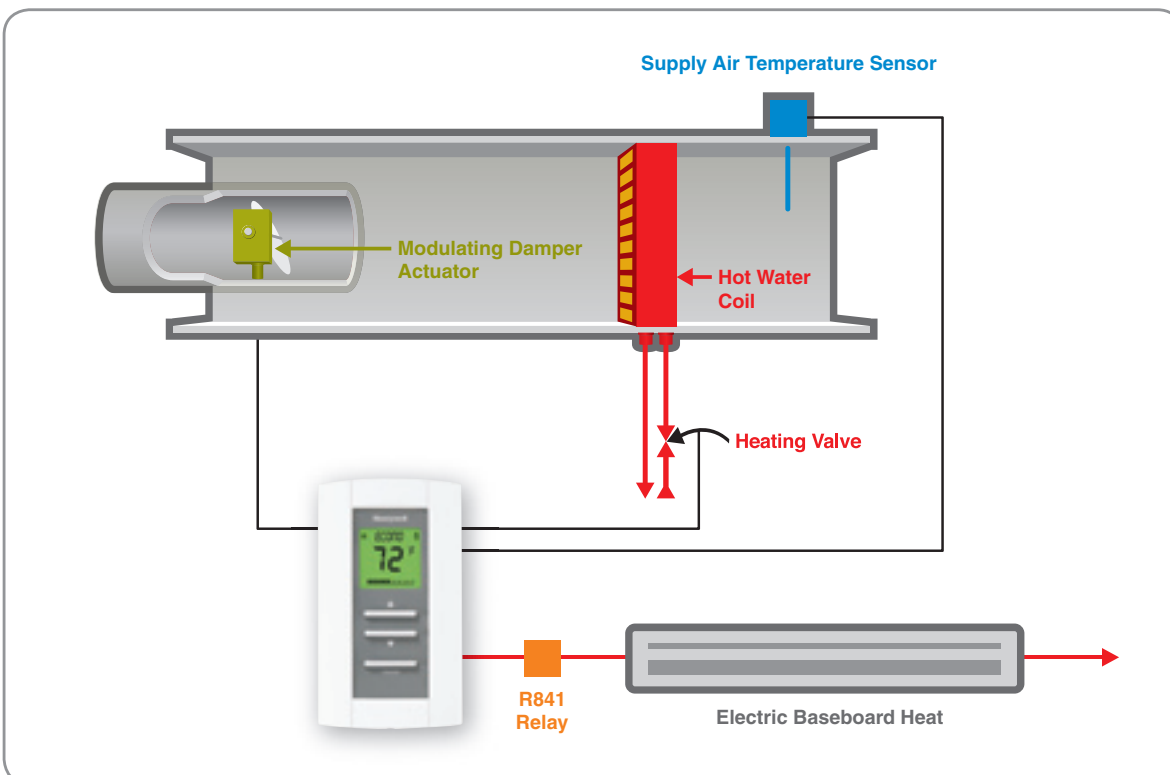
- Timed Occupancy Override — When the user enters the building after hours and wants to adjust the room temperature, he simply hits Timed Occupancy Override and that will bring the space to a comfortable temperature. The thermostat will automatically return to its energy-saving setpoint after two hours.



- Output Position Graph — Helps the installer know that the actuator is working properly.

Output Position Graph

TB7980B1005: Pressure Dependent VAV Cooling With Zone Reheat and Electric Baseboard Heat



ZonePRO Modulating Thermostat Cross-Reference Chart

OS #	Dimensions	Compatible Valves	Compatible Actuators	Sensors and Accessories	Replaces
TB6980A1007	2.7 x 4.6 x 1.0 in. (69 x 118 x 27 mm)	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, D640 and D690 dampers	T6984A1059
TB6980B1006					T6984D1046, T6984E1043
TB7980A1006		T7984A1057, T7984A1065			
TB7980B1005		T7984B1055, T7984C1053			



Specifications

- Temperature Control — Microprocessor-optimized PIA
- Temperature Setting — Manual — °C or °F selectable
- Dimensions (HxWxD) — 2.7 x 4.6 x 1.0 inches / 69 x 118 x 27 mm
- Setpoint Range — 50° F to 95° F (10° C to 35° C)
- Temperature Display — 32° F to 140° F (0° C to 60° C)
- Auto Changeover Deadband — 9° F (5° C)
- Mode Hysteresis — 4° F (2° C)

Learn More

For more information on Honeywell ZonePRO Thermostats, contact your local Honeywell Authorized Distributor, call 763-954-6464 or visit customer.honeywell.com/buildings.

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