

# Pneumatic Thermostats

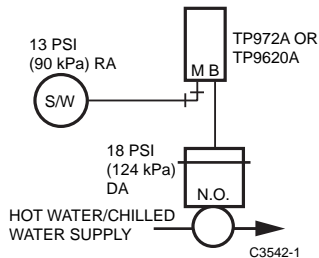
## TP972 Pneumatic Heating/Cooling Thermostat



Two-pipe, one- or two-temperature, pneumatic thermostat used to provide proportional control of pneumatic valves and damper actuators in heating and air conditioning systems. Replacement kits are available for Johnson, Powers, Robertshaw, Barber-Colman, and older Honeywell two-pipe pneumatic thermostats.

- Durable TP970 Series Thermostat. Pilot operated for high capacity.
- Two-temperature energy conservation model available.
- Adapter plate in Convertastat kits covers existing thermostat wall mark.
- Backplate has molded air connections-no separate fittings needed.
- Universal locking cover with satin chrome finish and horizontal, vertical, or blank window options with Tradeline model-other covers available.

### TP972 Typical Piping



**Application Type:** Wall Thermostat, Heat/Cool Operation  
**Dimensions, Approximate:** 3 1/4 in. high x 2 in. wide x 1 5/8 in. deep  
 (83 mm high x 51 mm wide x 41 mm deep)  
**Action:** Direct Acting Heating, Reverse Acting Cooling  
**Airflow Usage:** 0.011 scfm (5.2 mL/s)  
**Number of Pipes:** 2  
**Mounting:** Wall mount  
**Operating Temperature:** 100 F maximum  
**Storage Temperature:** 150 F maximum (66 C maximum)  
**Remote Bulb:** No  
**Sensor Element:** Bimetal  
**Maximum Operating Pressure:** 25 psi (170 kPa)

### Accessories:

- AK3863**-Honeywell Thermostat Tool Kit, TP970/TP900
- 305965**-1-1/2 in. diameter, 1/8 NPT center stem back mount Pressure Indicating gauge (0 to 30 psi scale) with  $\pm 4\%$  accuracy
- 14002362-001**-Duct Sampling Chamber
- 14002430-001**-Thermostat Guard
- 14003192-001**-Wallplate adapter kit. Adapts HP970 or TP970 series thermostats to HP900 and TP900 flush mounted and TP910 series flush or surface mounted installations
- 14004439-001**-Setpoint Extension
- 14004447-001**-Setpoint Cam Assembly for TP970A1004, A1012, A1020, A1038, A1046, A1053, A1095, A2004, A2012, A2020, A2038, A2053, A2095; TP970C; TP972A1143, A2143; TP973A1001, A1019, A1127
- 14004447-002**-Setpoint Cam Assembly for TP970B1002, B1010, B1028, B1036, B2002, B2010, B2028, B2036; TP970D; TP972A1002, A1010, A1028, A1044, A2002, A2010, A2028, A2044; TP973B1009, B1017, B1025, B1108
- 14004447-003**-Setpoint Cam Assembly for TP971A, C, D; TP972A1168, A2168, A2176
- 14004447-005**-Setpoint Cam Assembly for TP970B1044; TP972A1051, A1101

### Replacement Parts:

- 14001865-001**-Filter Cartridge Assembly
- 14002573-001**-Modernization Kit to convert all 1 & 2 pipe Honeywell & competitive pneumatic thermostats to TP970, TP971A, TP972, TP973, TP974, TP9600 family; HP970, HP971 and HP972

Product Number	Setpoint	Setpoint Temperature Range		Changeover		Throttling Range		Includes	Comments**
		(F)	(C)	(psi)	(kPa)	(F)	(C)		
TP972A2002/U	Single	59 F to 90 F		Heat 18 psi, Cool 13 psi	Heat 124 kPa, Cool 90 kPa	2 F to 10 F	1 C to 5 C	Order Cover Separately	—
TP972A2010/U	Single		15 C to 30 C	Heat 18 psi, Cool 13 psi	Heat 124 kPa, Cool 90 kPa	2 F to 10 F	1 C to 5 C	Order Cover Separately	—
TP972A2036/U	Dual	Heating 50 F to 75 F, Cooling 60 F to 90 F		Heat 18 psi, Cool 13 psi	Heat 124 kPa, Cool 90 kPa	2 F to 10 F	1 C to 5 C	Energy Conservation Model. Order Cover Separately	Two concealed setpoint knobs
TP972A2143/U	Single	59 F to 90 F		Heat 14 psi, Cool 19 psi	Heat 96 kPa, Cool 131 kPa	2 F to 10 F	1 C to 5 C	Order Cover Separately	—
TP972A2192/U	Single	59 F to 90 F		Heat 18 psi, Cool 13 psi	Heat 124 kPa, Cool 90 kPa	2 F to 10 F	1 C to 5 C	Thermostat, small wall plate and satin chrome cover	Convertastat Kit

\*\*A Tradeline Kit includes a TP970 Series thermostat with either a Satin Chrome or Beige Universal Cover, Windows (horizontal (F), vertical (F) and blank) for new installations or to convert newer, small size Honeywell or competitor thermostat, not requiring a wall plate adapter.

A Convertastat Kit™ includes a TP970 Series thermostat with either a Satin Chrome or Beige Universal Cover, Windows (horizontal (F), vertical (F) and blank) and a small Universal Wall Plate Adapter to convert newer, small size Honeywell or competitor thermostats.

A Modernization Kit includes a TP970 Series thermostat with Satin Chrome Universal Cover, Windows (horizontal (F), vertical (F) and blank) and a large Universal Wall Plate Adapter to convert older thermostats.