

PNEUMATICS & FITTINGS

SINGLE SETPOINT PNEUMATIC THERMOSTAT TP970 SERIES



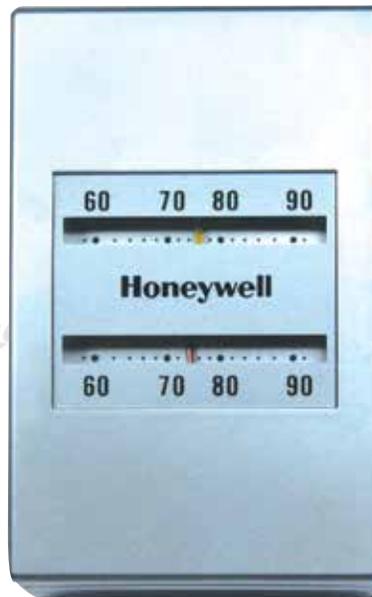
Honeywell

DESCRIPTION

The **Honeywell TP970 Series** pneumatic thermostat is a two-pipe, single setpoint 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.

FEATURES

- *Shock-resistant, suspension-mounted thermostats provide dependable performance and responsiveness*
- *Pilot operated for high capacity*
- *Direct Acting (DA) and Reverse Acting (RA) models*
- *Adapter plate kits cover existing thermostat wallmark*
- *Backplate has molded air connections-no separate fittings needed*
- *Universal locking cover with satin chrome finish and horizontal, vertical, or blank window options*

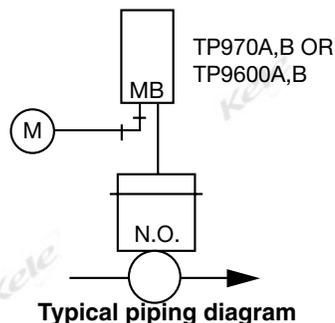


TP970

PNEUMATICS & FITTINGS

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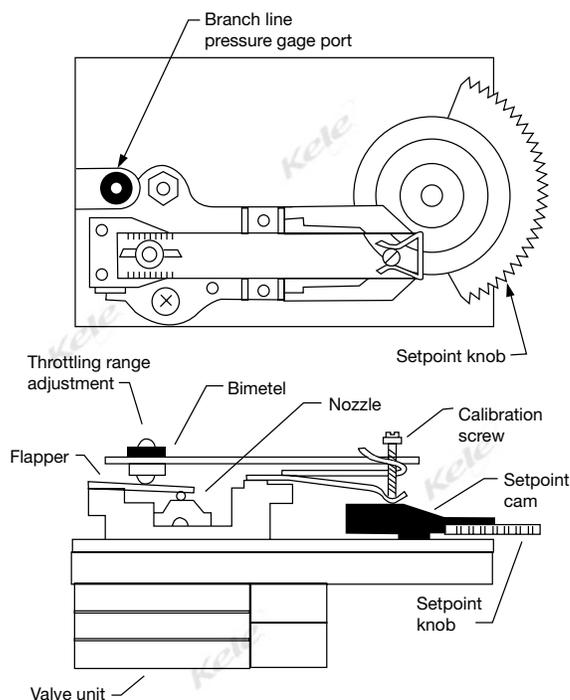
DIMENSIONS



SPECIFICATIONS

Connections	Barbs for 5/32" OD poly tubing
Number Of Pipes	2
Sensor Element	Bimetal
Setpoints	Single
Throttling Range	Adjustable, 2° to 10°F (1° to 5°C), factory set at 4°F (2°C)
Remote Bulb	No
Air Consumption	0.011 scfm (5.2 mL/s)
Operating Temperature	100°F (37.8°C) maximum
Storage Temperature	150°F (66°C) maximum
Maximum Operating Pressure	25 psi (170 kPa)
Dimensions	3.3"H x 2.0"W x 1.6"D (8.3 x 5.2 x 4.1 cm)
Weight	0.35 lb (0.2 Kg) to 1.3 lb (0.6 Kg) depending on kit/cover
Mounting	Wall
Warranty	1 year

DIAGRAM



TP970 High Capacity Pilot Operated Thermostat



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ORDERING INFORMATION

MODEL	DESCRIPTION
TP970A2004	Direct acting, Two-pipe, 60°F to 90°F, (does not include cover)
TP970A2012	Direct acting, Two-pipe, 40°F to 70°F, (does not include cover)
TP970A2020	Direct acting, Two-pipe, 15°C to 30°C, (does not include cover)
TP970A2038	Direct acting, Two-pipe, 60°F to 90°F, large wall plate and satin chrome cover
TP970A2145	Direct acting, Two-pipe, 60°F to 90°F, small wall plate and satin chrome cover
TP970A2234	Direct acting, Two-pipe, 15°C to 30°C, small wall plate and satin chrome cover
TP970A2242	Direct acting, Two-pipe, 60°F to 90°F, thermostat, small wall plate and beige cover
TP970A2259	Direct acting, Two-pipe, 60°F to 90°F, thermostat and satin chrome cover
TP970B2002	Reverse acting, Two-pipe, 60°F to 90°F, (does not include cover)
TP970B2010	Reverse acting, Two-pipe, 15°C to 30°C, (does not include cover)
TP970B2077	Reverse acting, Two-pipe, 60°F to 90°F, small wall plate and satin chrome cover
TP970B2150	Reverse acting, Two-pipe, 15°C to 30°C, small wall plate and satin chrome cover
TP970B2166	Reverse acting, Two-pipe, 60°F to 90°F, small wall plate and beige cover
TP970B2182	Reverse acting, Two-pipe, 60°F to 90°F, satin chrome cover
TP970C2000	Direct acting, Two-pipe, 60°F to 90°F, (does not include cover), wide throttling range capability, adjustable (ZEB)

ACCESSORIES

MODEL	DESCRIPTION
14001865-001	Filter cartridge assembly
14002053-001	Back plate assembly
14002362-001	Duct sampling chamber for TP970 pneumatic thermostats
14002374-004	Restrictor block assembly, .005 in., For TP970A-D; TP971A-E except C; TP972A; TP973A-B; TP9600 family; HP970A-B; and HP972B
14002573-001	Modernization kit to convert all 1 & 2 pipe Honeywell & competitive pneumatic stats to TP970, TP971A, TP972, TP973, TP974, TP9600 family, HP970, HP971 and HP972
14003192-001	Wallplate adapter kit. Adapts HP970 or TP970 series stats to HP900 and TP900 flush mounted and TP910 series flush or surface mounted installations
14004787-910	Cover kit, bright chrome includes cover, setpoint insert cover and 6 window inserts for 60°F to 90°F scale
14004878-910	Cover kit, premier white includes cover, setpoint insert cover and 6 window inserts for 60°F to 90°F scale
14004406-910	Cover kit, satin chrome include a cover, setpoint cover and 6 window inserts for 60°F to 90°F scale
14004407-910	Cover kit, beige, includes cover, setpoint insert cover and 6 window inserts for 60°F to 90°F scale
14004447-002	Setpoint cam assembly for TP970B1002, B1010, B1028, B1036, B2002, B2010, B2028, B2036; TP970D
14004447-005	Setpoint Cam Assembly for TP970B1044
14004459-001	Repair kit consisting of a thermometer assembly, a thermometer post and a 60° to 90°F Aluminum Scaleplate
14004460-001	Nozzle, throttling plate and bimetal assembly, DA, left side
14004447-001	Setpoint cam assembly for TP970A1004, A1012, A1020, A1038, A1046, A1053, A1095, A2004, A2012, A2020, A2038, A2053, A2095; TP970C

RELATED PRODUCTS

AK3863	Honeywell thermostat tool kit, TP970/TP900
CCT729A	Gauge adapter for calibration. Add 305965 0-30 psi gauge for complete tool.
CCT735A	Thermostat calibration tool includes allen wrench for cover installation
FILN05	Inline disposable air filter, straight, with barbs for 1/4" OD tubing
T-100	5/32" OD black poly tubing, 1 coil, 500 ft (152 m)
TOOL-95-1	Pneumatic controls calibration kit