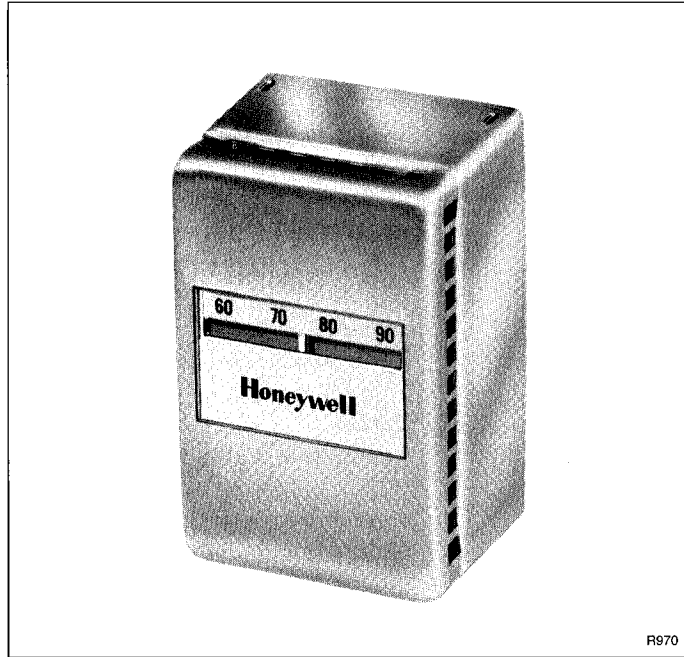


TP972A2036 Pneumatic Energy Conservation Thermostat



General

The TP972A2036 Thermostat is a two-temperature, two-pipe, proportioning thermostat used to control pneumatic valve and damper actuators in pneumatic HVAC control systems.

The TP972A has two bimetal elements. One is direct-acting element for heating cycle. The other is a reverse-acting element for the cooling cycle. Each element is controlled by a separate setpoint knob (55 to 75F for heating; 60 to 90F for cooling) adjustable only with the cover removed. Changeover from cooling to heating is accomplished by changing main line pressure.

Features

- Adjustable throttling range
- Automatic changeover from main line pressure changes
- Indicating spiral bimetal thermometer
- Individual concealed setpoint knobs for each bimetal element, preventing unauthorized changes
- Air filter

Description

The TP972A2036 Thermostat is a two-temperature, two-pipe, proportioning thermostat used to control pneumatic valve and damper actuators in pneumatic HVAC control systems.

Specifications

Model:

- TP972A2036, Reverse acting, cooling
- TP972A2036, Direct acting, heating

Setpoint Range:

- Heating (18 psi main): 55 to 75F (12 to 23C)
- Cooling (13 psi main): 60 to 90F (15 to 32C)

Throttling Range:

- Separate adjustment for heating and cooling; 2 to 10F (1 to 5C); factory set at 4F (2C)

Air Consumption:

- 0.011 scfm (5.2 mL/s)

Thermometer:

- Spiral bimetal, 60 to 90F

Maximum Safe Air Pressure:

- 25 psig (172 kPa)

Supply Air Pressure:

- Reverse acting (cooling): 13 psig (90 kPa)
- Direct acting (heating): 18 psig (125 kPa)

Ambient Temperature Limits:

- Operating: 50 to 100F (10 to 38C)
- Storage: -30 to 150F (-34 to 66C)

Dimensions In Inches (Millimeters):

- 3-1/8 x 1-7/8 x 1-1/2 in. deep (80 x 50 x 40 mm)

Branch Line Indication:

- Self-sealing gage tap accessible under cover

Mounting:

- Horizontal or vertical wall mounted with plug-in backplate

Filter:

- Replaceable cartridge type

Covers and Accessories:

- Order separately (see 77-9828)

Fittings:

- Order separately (see 95-7134)

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