

TP971A-E Pneumatic Thermostats

SPECIFICATION DATA



FEATURES

- Two bimetal elements, one for day and one for night operation
- Two independent setpoints control day operation and night setback
- Adjustable stops can be set to limit travel of day setpoint adjustment
- Constructed to corrosion resistant materials
- Glass-filled Delrin back plate acts as thermal resistor to reduce cold wall effect
- Snap-in mounting incorporating air connection backplate
- Air filter

GENERAL

TP971A, B, D, and E are two-pipe proportional pneumatic thermostats used to control actuators on HVAC control systems. TP971C is a three-pipe thermostat used for unit ventilator applications.

DESCRIPTION

TP971A, B, D, and E are two-pipe proportional pneumatic thermostats used to control actuators on HVAC control systems. TP971C is a three-pipe thermostat used for unit ventilator applications.

Throttling Range:
Adjustable from 2 to 10F (1 to 5K)

Maximum Air Pressure:
25 psi (172 kPa)

Branch Line Indication:
Self-sealing gage tap accessible under cover

Air Consumption:
0.011 scfm (5.2 ml/s)

Filter:
Replaceable cartridge type

Maximum Safe Temperature:
150F (66C)

Adjustment:
DAY setting: External knob with internal, adjustable, locking stops for minimum and maximum settings
NIGHT setting: Independent, unexposed setpoint knob (access requires cover removal)

Thermometer:
Spiral bimetal, 60 to 90F or 15 to 30C

Reset:
Manual DAY/AUTO lever exposed through cover

Mounting:
Horizontal or vertical wall mounted with plug-in backplate

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

Cover and Accessories:
Order separately (see 77-1003)

Fittings:
Order separately (see 95-5597)

SPECIFICATIONS

Models:

√	Model	Action	Setpoint Range		Changeover Pressure in psi (kPa)	
			Day	Night	Day	Night
	TP971A	Direct	60 to 90F or 15 to 30C	50 to 75F or 12 to 24C	13 (90) or 16 (110) or 20 (138)	18 (124) or 21 (145) or 25 (172)
	TP971B	Reverse	60 to 90F	50 to 75F	13 (90) or 16 (110) or 20 (138)	18 (124) or 21 (145) or 25 (172)
	TP971C	Direct	60 to 90F or 15 to 30C	50 to 75F or 12 to 24C or 75 to 100F	13 (90) or 16 (110) or 20 (138)	18 (124) or 21 (145) or 25 (172)
	TP971D	Direct	60 to 90F	75 to 100F	13 (90)	18 (124)
	TP971E	Reverse	60 to 90F	75 to 100F	13 (90)	18 (124)

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