

## TP971A-E Pneumatic Thermostats

### SPECIFICATION DATA



RC52

### 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)

### Home and Building Control

Honeywell Inc.  
Honeywell Plaza  
P.O. Box 524  
Minneapolis MN 55408-0524

### Honeywell Latin American Division

Miami Lakes Headquarters  
14505 Commerce Way Suite 500  
Miami Lakes FL 33016

### Home and Building Control

Honeywell Limited-Honeywell Limitée  
740 Ellesmere Road  
Scarborough Ontario

### Honeywell Europe S.A.

3 Avenue du Bourget  
B-1140 Brussels Belgium

### Honeywell Asia Pacific Inc.

30th Floor, Office Tower  
Convention Plaza  
1 Harbour Road  
Wanchai  
Hong Kong

**Honeywell**

Helping You Control Your World

