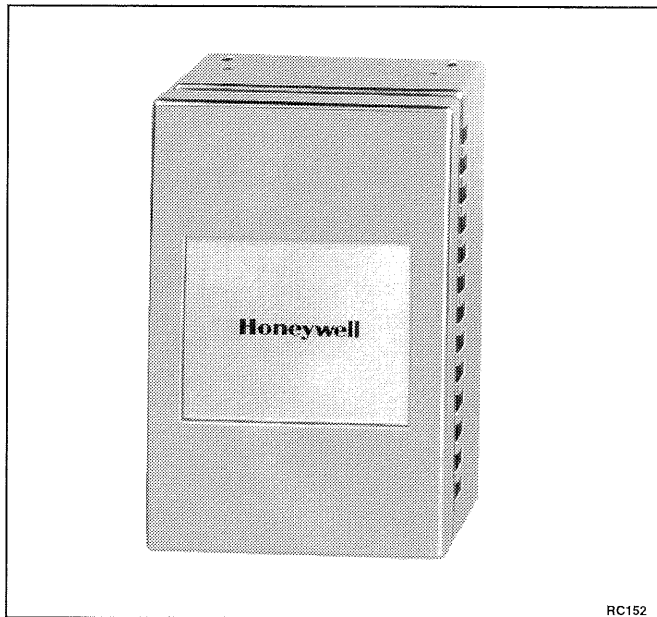


## HP971A Pneumatic Humidity Sensor

### SPECIFICATION DATA



### FEATURES

- Proportional control
- Corrosion resistant materials
- Simple plug-in air head connections
- Factory calibrated

### GENERAL

The HP971 provides direct-acting, proportional, relative humidity sensing for humidity control and indication in a one- or two-pipe pneumatic application. It is used in conjunction with a pneumatic receiver controller.

The HP971A requires a minimum of 50 fpm air velocity for proper operation.

NOTE: Do not use the HP971 where there may be a high concentration of lithium chloride in the ambient air.



## DESCRIPTION

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## SPECIFICATIONS

**Model:**

HP971A: Direct-acting

**Sensing Ranges:**

Nonadjustable, 65 to 95% rh, 15 to 75% rh, and 15 to 85% rh (for use with HP973 Enthalpy Controller)

**Output:**

3 to 15 psi (21 to 103 kPa)

**Ambient Temperature:**

45 to 125F (7 to 52C)

**Maximum Safe Pressure:**

25 psi (172 kPa)

**Filter:**

Replaceable carriage type

**Air Consumption:**

0.022 scfm (10.4 ml/s)

**Mounting:**

Horizontal or vertical mounted with plug-in backplate

**Dimension:**

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

**Branchline Indication:**

Self-sealing gage tap, accessible under cover

**Construction:**

Corrosion resistant metals and finishes with high-strength, glass-filled, Delrin and Noryl molded parts

**Supply Air Pressure:**

18 psi (124 kPa)

**Covers:**

Order separately (see 77-1003)

**Fittings:**

Order separately (see 95-5597)

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