

RP971A Ratio Relay

SPECIFICATION DATA



FEATURES

- Adjustable pilot start point pressures
- Two pilot pressure spans available
- Four sharp barb air connections
- Molded plastic construction with neoprene diaphragms and stainless steel valve seats
- 100 mesh stainless steel screens in main and branch ports
- Designed for in-line mounting but can be wall or panel mounted

GENERAL

The RP971A Ratio Relay is a four port nonbleed pneumatic relay which produces a modulating pressure output proportional to pilot input changes. It is used to control pneumatic valve or damper actuators in sequence from a single thermostat.



DESCRIPTION

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SPECIFICATIONS

Model:

RP971A Ratio Relay

Operating Range:

0 to 18 psi (0 to 124 kPa)

Maximum Safe Air Pressure:

30 psi (205 kPa)

Ambient Operating Limits:

Temperature: 0 to 140F (-18 to 60C)

Humidity: 5 to 95%

Operating Air Pressures:

Pilot: 3 to 15 psi (21 to 103 kPa)

Main: 18 psi (124 kPa)

Air Handling Capacity:

0.039 scfm at 1 psi differential (18 ml/s at 5 kPa differential)

Air Consumption:

0.002 scfm (0.8 ml/s) maximum

Start Point:

Adjustable from 0 to 10 psi (0 to 69 kPa)

Pilot Operating Span:

3 or 5 psi (20 or 35 kPa), nonadjustable

Mounting:

In line, wall, or panel mounted

Air Connections:

Barb type for 1/4-in. (6-mm) O.D. plastic tubing for Port 1 and 5/32-in. (4-mm) O.D. plastic tubing for Ports 2, 3, and 4

Construction:

Molded plastic with neoprene diaphragm, stainless steel valve seats, and 100-mesh stainless steel filters in main and branch ports

Accessories:

801629T Cable Clamp (2 in. [51 mm] dia) for wall mounting if desired

Dimensions:

2 in. (51 mm) dia x 2-5/8 (67 mm) deep

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