

RP972A Pneumatic Reversing Relay

SPECIFICATION DATA



FEATURES

- Reverse acting
- In-line mounting; or can be surface or panel mounted with standard 1-1/2 in. diameter cable clamp
- Neoprene diaphragm
- Stainless steel valve seats

GENERAL

The RP972A Pneumatic Reversing Relay is a modulating relay suitable for all types of heating and air conditioning control systems. It is used as a reversing relay to reverse and increase the capacity of the branchline pressure to the final control element.

DESCRIPTION

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SPECIFICATIONS

Model:

□ RP972A Reverse Relay

Action:

Reverse acting

Output:

Proportional (branchline pressure decreases with increase in input signal at ratio of 1:1)

Settings:

B: Output (Port 2) = 16 psi (110 kPa)
 - Input (Port 3) Factory set
 C: Output = 18 psi (124 kPa) - Input
 A: Output = 13 psi (90 kPa) - Input

Operating Range:

0 to 18 psi (0 to 124 kPa)

Maximum Safe Air Pressure:

30 psi (207 kPa)

Operating Pressures:

Input: -3 to 15 psi (-21 to 103 kPa)
 Main: 18 psi (124 kPa)

Materials of Construction:

Neoprene diaphragm
 Stainless steel valve seats

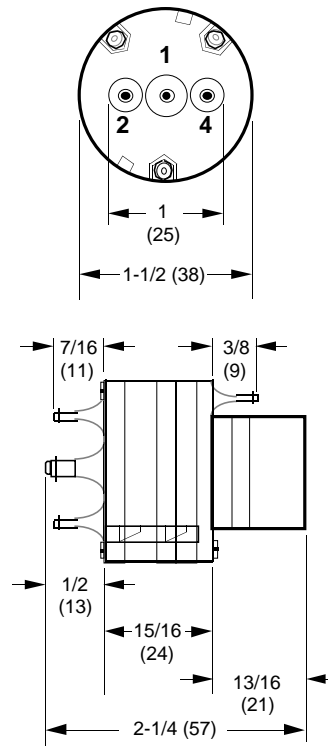
Ambient Temperature Limits:

0 to 140F (-18 to 60C)

Air Connections:

Port 1 (Main, Supply): Sharp barb for 1/4-in. (6-mm) O.D. tubing
 Ports 2, 3, and 4 (Branch, Output; Pilot, Input; and Exhaust, respectively): Sharp barb for 5/32-in. (4-mm) O.D. tubing

Dimensions In Inches (Millimeters):



C4860

Air Handling Capacity (Feed and Bleed):

0.039 scfm at ± 1.02 psi droop (18.3 ml/sec at 7 kPa droop)
 Nominal mainline: 18 psi (124 kPa)
 Input: 9 psi (62 kPa)

Air Consumption:

0.002 scfm (1.0 ml/sec) maximum

Filters:

100 mesh stainless steel, main and branch ports

Accessories:

For surface or panel mounting order either:
 Mounting Clamp—810629S
 Mounting Clip—14003030-001

Mounting:

In-line
 Surface or panel using standard 1-1/2 in. dia. mounting clamp or clip

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