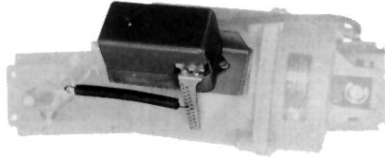


D-9502

Pneumatic Damper Actuator Positioner



Description

The D-9502 Pneumatic Damper Actuator Positioners are precision relay devices used to adjust and maintain damper actuators in exact positions on those applications requiring precise or otherwise special damper positioning.

Features

- provides dynamic stabilization and/or sequential control
- includes mounting bracket for direct attachment to actuator body

Applications

The pneumatic damper actuator pilot positioner provides dynamic stabilization and/or sequential control of pneumatic damper actuators. It is available factory installed on D-4070, D-4073, D-3153, and DS-3153 Damper Actuators. On D-3153 Series Actuators, a special positioner mounting kit (D-9502-9) is available for changing basic D-9502 positioner control to two-stage operation.

Depending on the type of the actuator used, up to three additional actuators may be controlled by a single positioner/actuator assembly; for example, multiple actuators modulating large or coupled dampers.

Repair Parts

The pilot positioner has a sealed body so field repairs to the inside cannot be made. For a replacement D-9502, contact the nearest Johnson Controls representative. For other repair parts, see *Repair Parts* chart.

To Order

Specify the code number from the following selection chart.

Repair Parts

Code Number	Description	Weight, lb (Kg)
D-9502-609	Spring for use with D-3153, D-3073, and D-4073	0.8 (0.36)
D-9502-610	Spring for use with D-3244	0.8 (0.36)
D-9502-611	Diaphragm Repair Kit, package quantity of 6	0.8 (0.36)
D-9502-612	Spring for use with D-3246	0.8 (0.36)
D-9502-604	Operating Span Lever Arm Assembly	0.8 (0.36)
C-9506-1	Positioner movement complete less springs and operating span lever arm assembly	1.3 (0.59)

Pilot Positioners for Obsolete Actuators

Code Number	Description
D-9502-5	D-251 No. 5 Actuator or D-3246

Selection Chart

Code Number	Description
D-9502-5	D-3244 Actuator
D-9502-8	D-3153 Actuator
D-9502-9	D-3153 Actuator, 2-stage
D-9502-12	D-4073 Actuator

Specifications

D-9502 Pneumatic Damper Actuator Positioner	
Starting Point	Adjustable from 2 to 12 psig (14 to 84 kPa)
Operating Span	Adjustable from 3 to 13 psi (21 to 91 kPa)
Maximum Supply Air Pressure	25 psig (175 kPa) 20 psig (140 kPa) for D-9504-13 only Air supply must be clean, dry and oil free
Air Consumption	5 SCIM (1.4 mL/s)
Output Flow Capacity	1000 SCIM (273 mL/s) 1600 SCIM (437 mL/s) D-9502-13 only
Air Connections	Barbed fittings for 5/32 or 1/4 in. O.D. Poly tubing Supply "S" and Pilot "P": Barbed fittings for 5/32 or 1/4 in O.D. Poly tubing D-9502-13 only Output "O": Compression fitting for 1/4 inch O.D. copper tubing D-9502-13 only
Ambient Operating Conditions	-20 to 150°F (-29 to 66°C) -20 to 250°F (-29 to 121°C) D-9502-13 only based on UL testing for 30 minutes and should not be considered for continuous operation.
Effective Diaphragm Area	15 in ² (97 cm ²)
Materials	Body - Die-cast Aluminum with Irdite finish Cover - Noryl (D-9502-13 Die cast zinc) Diaphragm - Fabric reinforced rubber
Dimensions (H x W x D)	2-1/4 x 3-7/8 x 2-23/32 in.
Shipping Weight, lb (Kg)	2.0 (0.91)
Agency Listing	UL Recognized component to 350°F (176°C) with compression fitting for copper tubing File No. R15581