

D-9502

LIT-1921035

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.

Selection Charts

D-9502

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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

Pilot Positioners

for Obsolete Actuators

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

Repair Information

The pilot positioner has a sealed body so field repairs to the inside cannot be made. For a replacement positioner, contact the nearest Johnson Controls representative.

Repair Parts for D9502 Positioner

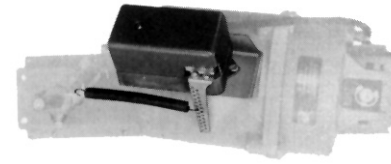
Code Number	Description	Weight lb (Kg)
D-9502-609	Spring for use with D-3153, D-3073, and D-4073	0.8 (0.36)
D-9502-610	Spring for use with D-3244	0.8 (0.36)
D-9502-611	Diaphragm Repair Kit, package quantity of 6	0.8 (0.36)
D-9502-612	Spring for use with D-3246	0.8 (0.36)
D-9502-604	Operating Span Lever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

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.



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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.

Technical 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