

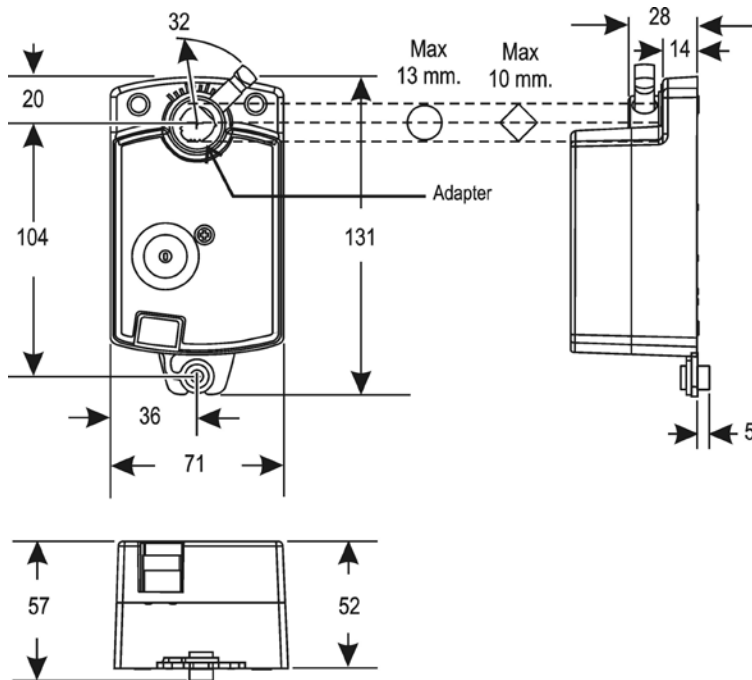
DAB1.4(C) / DAB1(C) / DAD1.4(C) / DAD1(C) / DAD2
Electric Non-Spring Return Actuators

Application

The **JOVENTA** electric damper actuator series have been developed to operate small and medium air damper in ventilation and air conditioning systems. The compact design make this JOVENTA actuator highly versatile.

Features

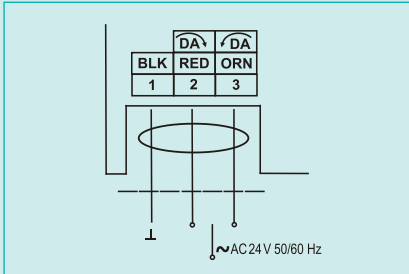
- Floating and ON/OFF control
- Load-independent running time
- Up to 5 actuators in parallel operation possible
- Simple direct-mounting with universal adapter for fitting to 8...13 mm Ø round axis or with 8...10 mm square shaft
- Manual release button
- Devices meet CE requirements



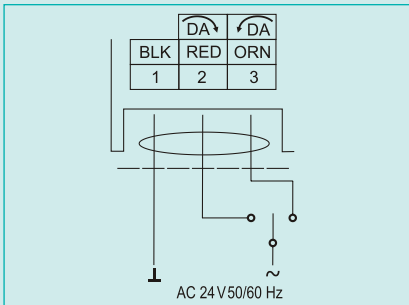
Dimensions in mm

DAB1.4(C) / DAB1(C) / DAD1.4(C) / DAD1(C) / DAD2
Electric Non-Spring Return Actuators

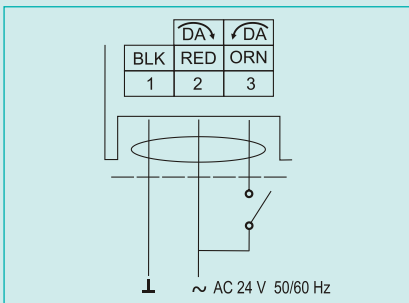
Control Wiring Diagrams



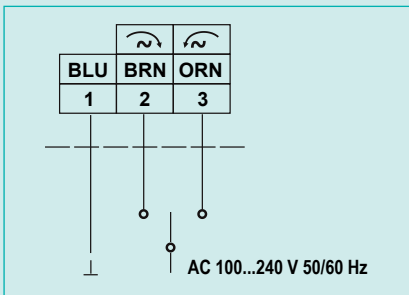
DAB1.4 / DAD1.4



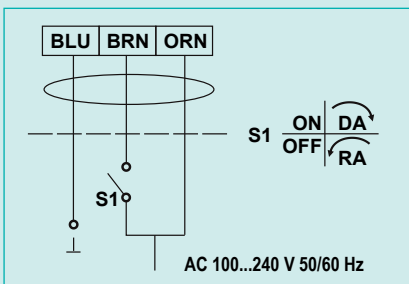
DAB1 / DAD1 Floating



DAB1 / DAD1 - ON/OFF

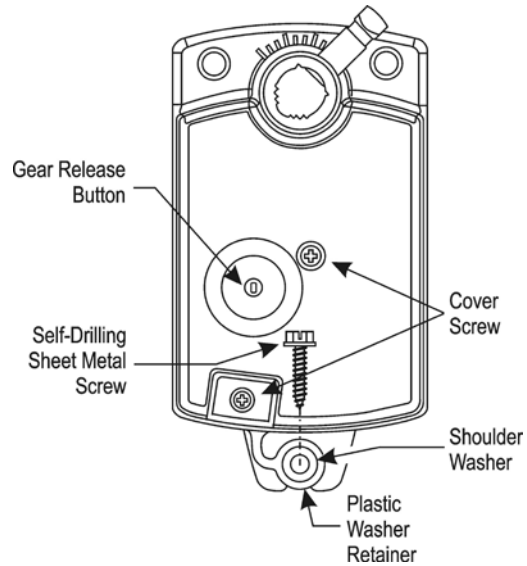


DAD2 - Floating

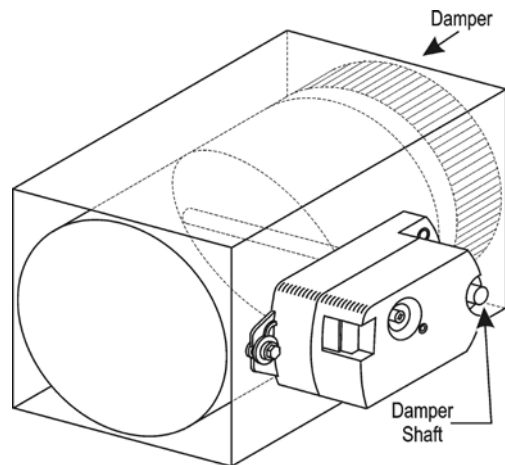


DAD2 - ON/OFF

Positioning the Actuator

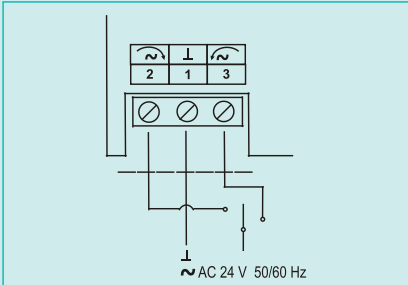


Inserting the Screw into the Shoulder Washer

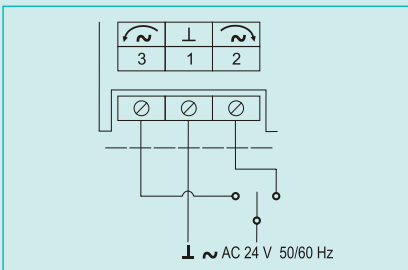


DAB1.4(C) / DAB1(C) / DAD1.4(C) / DAD1(C) / DAD2
Electric Non-Spring Return Actuators

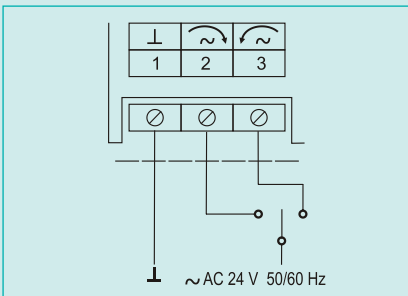
Control Wiring Diagrams



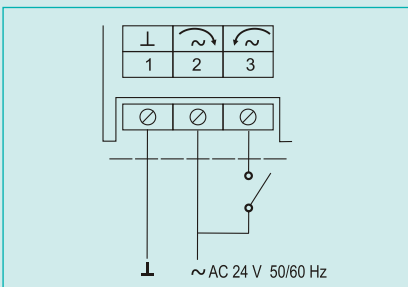
DAB1.4C



DAD1.4C



DAB1C and DAD1C - Floating



DAB1C / DAD1C - ON/OFF


Ordering Codes

Codes	Descriptions
DAB1.4	2 Nm, AC 24 V with 1,2 PVC cable, Floating without Timeout
DAB1.4C	2 Nm, AC 24 V with terminal block, Floating without Timeout
DAB1	2 Nm, AC 24 V with 1,2 PVC cable, ON/OFF and Floating with Timeout
DAB1C	2 Nm, AC 24 V with terminal block, ON/OFF and Floating with Timeout
DAD1.4	4 Nm, AC 24 V with 1,2 PVC cable, Floating without Timeout
DAD1.4C	4 Nm, AC 24 V with terminal block, Floating without Timeout
DAD1	4 Nm, AC 24 V with 1,2 PVC cable, ON/OFF and Floating with Timeout
DAD1C	4 Nm, AC 24 V with terminal block, ON/OFF and Floating with Timeout
DAD2	4 Nm, AC 100+240V with 1.2 PVC cable - ON/OFF and Floating with Timeout


DAB1.4(C) / DAB1(C) / DAD1.4(C) / DAD1(C) / DAD2
Electric Non-Spring Return Actuators

Technical Specifications

DAB1.4 / DAD1.4 / DAB1 / DAD1 / DAD2

Product Codes	DAB1.4	DAD1.4	DAB1	DAD1	DAD2
Power Requirements	AC 24 V +25% / -20% at 50/60 Hz				AC 100 to 240V -15%/+10% at 50/60 Hz
	2.1 VA		2.5 VA	3.0 VA	7.5 VA Supply and 0.07 A
Control Type	Floating Control without Timeout		ON/OFF and Floating Control With Timeout		
Input Signal	AC 24 V +25% / -20% at 50/60 Hz, SELV or Class II				AC 100 to 240V -15%/+10% at 50/60 Hz Class II
Feedback Signal	---				
Motor Input Impedance	200 ohms Nominal				
Running Torque	2 Nm	4 Nm	2 Nm		4 Nm
Travel Time (for 90° of Rotation)	30 Seconds at 60 Hz 36 Seconds at 50 Hz	60 Seconds at 60 Hz 72 Seconds at 50 Hz	30 Seconds at 60 Hz 36 Seconds at 50 Hz		60 Seconds at 60 Hz 72 Seconds at 50 Hz
Rotation Range	93° ±3°, CW or CCW				
Cycles	100,000 Full Stroke Cycles; 2,500,000 Repositions at Rated Running Torque				
Audible Noise Rating	35 dBA Nominal at 1 m				
Electrical Connections	1.2 m Polyvinyl Chloride (PVC) cable with 0.75 mm ² conductors and 6 mm ferrule ends				
Mechanical Connections	Up to 13 mm Diameter Round Damper Shafts, or 10 mm Square Damper Shafts				
Enclosure	IP 42				
Ambient Conditions					
- Operating					-20 to 60 °C; 90% RH Maximum, Noncondensing
- Storage					-29 to 66 °C; 90% RH Maximum, Noncondensing
					-40 to 85 °C; 90% RH Maximum, Noncondensing
Shipping Weight	0.5 Kg				
 Compliance	Johnson Controls, Inc., declares that these products are in compliance with the essential requirements and other relevant provisions of the EMC Directive 2004/108/EC and Low Voltage Directive 2006/95/EC				

DAB1.4C / DAD1.4C / DAB1C / DAD1C

Product Codes	DAB1.4C	DAD1.4C	DAB1C	DAD1C
Power Requirements	AC 24 V +25% / -20% at 50/60 Hz			
	2.1 VA		2.5 VA	3.0 VA
	Safety Extra-Low Voltage (SELV) Class II			
Control Type	Floating Control without Timeout		ON/OFF and Floating Control With Timeout	
Input Signal	AC 24 V +25% / -20% at 50/60 Hz, SELV Class II			
Feedback Signal	---			
Motor Input Impedance	200 ohms Nominal			
Running Torque	2 Nm	4 Nm	2 Nm	4 Nm
Travel Time (for 90° of Rotation)	30 Seconds at 60 Hz 36 Seconds at 50 Hz	60 Seconds at 60 Hz 72 Seconds at 50 Hz	30 Seconds at 60 Hz 36 Seconds at 50 Hz	60 Seconds at 60 Hz 72 Seconds at 50 Hz
Rotation Range	93° ±3°, CW or CCW			
Cycles	100,000 Full Stroke Cycles; 2,500,000 Repositions at Rated Running Torque			
Audible Noise Rating	35 dBA Nominal at 1 m			
Electrical Connections	M3 Screw Terminals			
Mechanical Connections	Up to 13 mm Diameter Round Damper Shafts, or 10 mm Square Damper Shafts			
Enclosure	IP 40			
Ambient Conditions				
- Operating	-20 to 60 °C; 90% RH Maximum, Noncondensing			
- Storage	-29 to 66 °C; 90% RH Maximum, Noncondensing			
Shipping Weight	0.5 Kg			
 Compliance	Johnson Controls, Inc., declares that these products are in compliance with the essential requirements and other relevant provisions of the EMC Directive 2004/108/EC and Low Voltage Directive 2006/95/EC			

*Caution: Please note damper manufacturer's information concerning the open/close torque.

Building Efficiency

Headquarters: Milwaukee, Wisconsin, USA
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