

**DAB1.4(C) / DAB1(C) / DAD1.4(C) / DAD1(C)**  
Floating and ON/OFF Actuators

**Application**

The **JOVENTA SMALL** 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



**Technical Specifications**

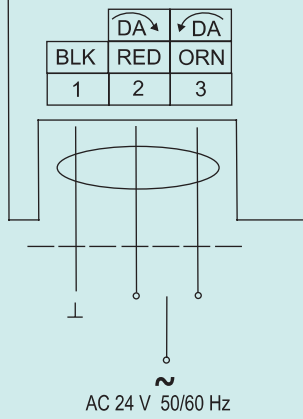
Actuator	DAB1.4	DAB1.4C	DAB1	DAB1C	DAD1.4	DAD1.4C	DAD1	DAD1C
Torque	2 Nm				4 Nm			
Damper area*	0.4 m <sup>2</sup>				0.8 m <sup>2</sup>			
Connection								
- PVC Cable	1.2 m	---	1.2 m	---	1.2 m	---	1.2 m	---
- Plug-in terminal block	---	3-Pole	---	3-Pole	---	3-Pole	---	3-Pole
Running Time OPEN	36 s (@ 50 Hz)				72 s (@ 50 Hz)			
Supply Voltage	AC 24 V +25% -20%							
Frequency	50-60 Hz							
Power Requirement	2.1 VA		2.5 VA		2.1 VA		3.0 VA	
Control signal	Floating without Timeout		ON/OFF and Floating with Timeout		Floating without Timeout		ON/OFF and Floating with Timeout	
Position signal	None							
Angle of rotation/ working range	93° < ± 3°							
Service Lifetime ca.	100.000							
Auxiliary Switches	None							
Noise Level	35 dB (A)							
Protection Class	II							
Degree of Protection	IP 42	IP 40	IP 42	IP 40	IP 42	IP 40	IP 42	IP 40
Ambient conditions								
- Operating temperature	0...+52 °C / IEC 721-3-3							
- Storage temperature	-30...+65 °C / IEC 721-3-2							
- Humidity	5...95% r.F. no condensed							
Weight	0.5 Kg							
Service	Maintenance-free							
Standards								
- Mechanics	EN 60 529 / EN 60 730-2-14							
- Electronics	EN 60 730-2-14							
- EMC Emissions	EN 50 081-1:92 / IEC 61000-6-3:96							
- EMC Immunity	EN 50 082-2:95 / IEC 61000-6-2:99							

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

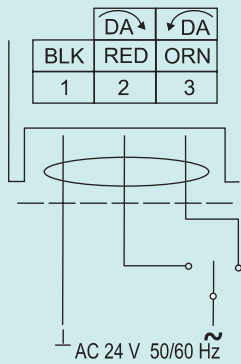
**DAB1.4(C) / DAB1(C) / DAD1.4(C) / DAD1(C)**  
Floating Actuators

**Control Wiring Diagrams**

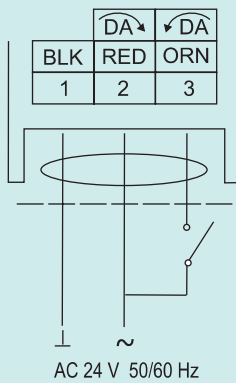
**DAB1.4 / DAD1.4**



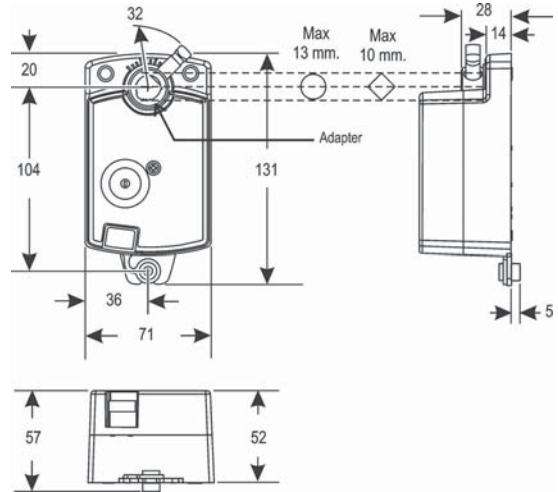
**DAB1 / DAD1 Floating**



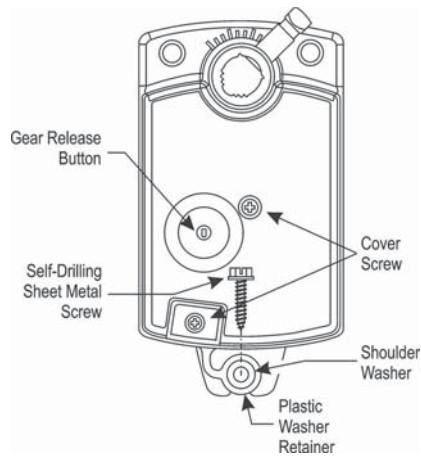
**DAB1 / DAD1 ON/OFF**



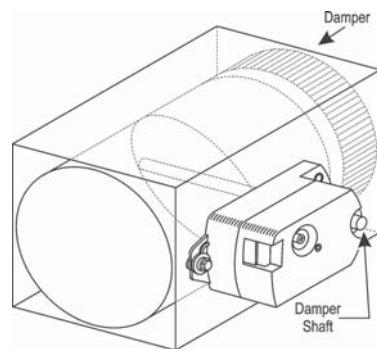
**Dimensions in mm**



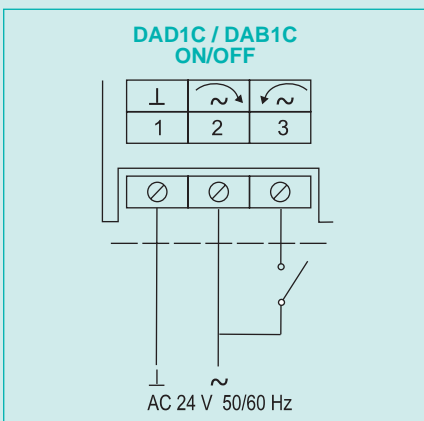
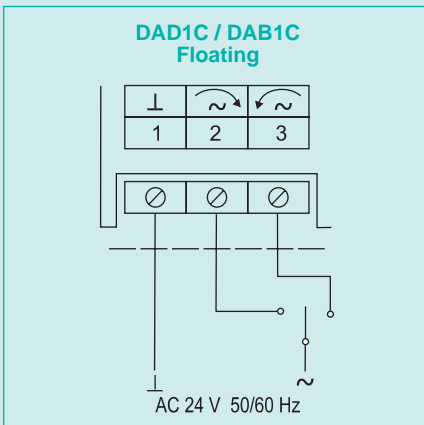
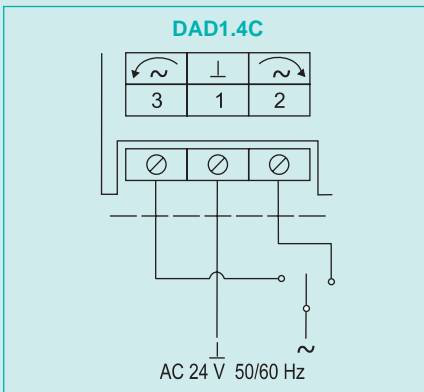
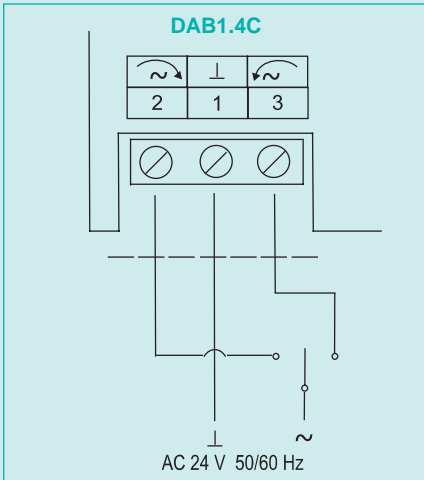
**Inserting the Screw into the Shoulder Washer**



**Mounting the Actuator onto the Damper Shaft**



**Control Wiring Diagrams**



**DAB1.4(C) / DAB1(C) / DAD1.4(C) / DAD1(C)  
Floating Actuators**

**Ordering Codes**

Codes	Descriptions
<b>DAB1.4</b>	2 Nm, AC 24 V with 1,2 PVC cable, Floating without Timeout
<b>DAB1.4C</b>	2 Nm, AC 24 V with terminal block, Floating without Timeout
<b>DAD1</b>	2 Nm, AC 24 V with 1,2 PVC cable, ON/OFF and Floating with Timeout
<b>DAD1C</b>	2 Nm, AC 24 V with terminal block, ON/OFF and Floating with Timeout
<b>DAD1.4</b>	4 Nm, AC 24 V with 1,2 PVC cable, Floating without Timeout
<b>DAD1.4C</b>	4 Nm, AC 24 V with terminal block, Floating without Timeout
<b>DAB1</b>	4 Nm, AC 24 V with 1,2 PVC cable, ON/OFF and Floating with Timeout
<b>DAB1C</b>	4 Nm, AC 24 V with terminal block, ON/OFF and Floating with Timeout