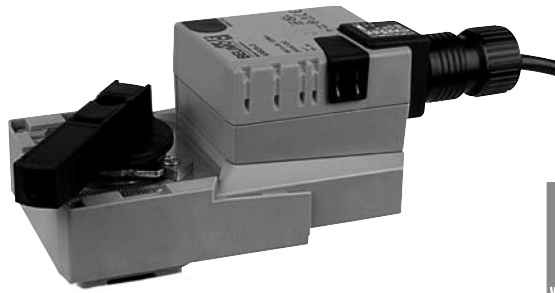
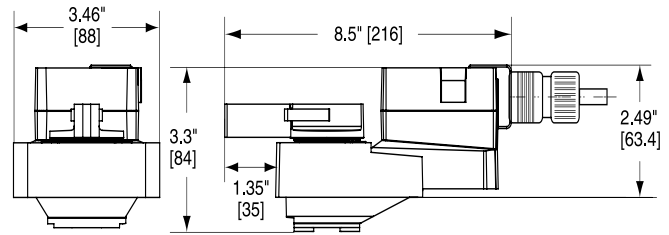


AR...24-3 Actuators, On/Off, Floating Point



Dimensions



Models

ARB24-3	
ARB24-3-S	w/built-in Aux. Switch
ARB24-3-T	Flexible
ARX24-3	Flexible w/built-in Aux. Switch
ARX24-3-S	
ARX24-3-T	

Technical Data	
Control	on/off, floating point
Power supply	24 VAC \pm 20% 50/60 Hz 24 VDC \pm 10%
Power consumption	running 2.5 W holding 0.2 W
Transformer sizing	5.5 VA (class 2 power source)
Electrical connection	1/2" conduit connector 18 GA plenum rated cable ARB24-3... 3 ft. [1m] ARX24-3... 3 ft. [1m] 10 ft. [3m] 16 ft. [5m]
Overload protection	electronic throughout 0° to 95° rotation
Input impedance	600 Ω
Angle of rotation	90°, adjustable with mechanical stop
Direction of rotation	reversible with protected \curvearrowright / \curvearrowleft switch
Position indication	handle
Manual override	external push button
Running time	ARB24-3... 90 seconds ARX24-3... 300, 150, 90 seconds, constant independent of load
Humidity	5 to 95% RH non-condensing (EN 60730-1)
Ambient temperature	-22°F to 122°F [-30°C to 50°C]
Storage temperature	-40°F to 176°F [-40°C to 80°C]
Housing	NEMA 2/IP54
Housing material	UL94-5VA
Agency listings†	cULus according to UL 60730-1A/-2-14, CAN/CSA E60730-1:02, CE according to 2004/108/EC and 2006/95/EC for line voltage and/or -S versions
Noise level	<45 dB(A)
Quality standard	ISO 9001

AR...24-3-S	
Auxiliary switch (-S models)	1 x SPDT, 3A (0.5A) @ 250 VAC, UL Listed, adjustable 0 to 90°

† Rated impulse voltage 800V, Control pollution degree 3, Type of action 1
(1.B for -S models)

IM40013 - 06/11 - Subject to change. © Belimo Aircontrols (USA), Inc.

Wiring Diagrams

✂️ INSTALLATION NOTES

- ⚠️ **CAUTION Equipment damage!**
Actuators may be connected in parallel.
Power consumption and input impedance must be observed.
For end position indication, interlock control, etc.,
- ⚠️ ARB24-3-S incorporates one built-in auxiliary switches:
1 x SPDT, 3A (0.5A) @250 VAC, UL listed, adjustable 0° to 95°.
- ⚠️ Actuators may also be powered by 24 VDC.

📄 APPLICATION NOTES

- ◆ Meets cULus or UL and CSA requirements without the need of an electrical ground connection.

⚠️ **WARNING Live Electrical Components!**
During installation, testing, servicing and troubleshooting of this product, it may be necessary to work with live electrical components. Have a qualified licensed electrician or other individual who has been properly trained in handling live electrical components perform these tasks. Failure to follow all electrical safety precautions when exposed to live electrical components could result in death or serious injury.

