# **ACTUATORS & DAMPERS**

### FAST-ACTING FAIL SAFE ACTUATORS

**NKQ SERIES** 

#### DESCRIPTION

The **Belimo NKQ Series actuators** are electronic, fail safe, fast acting actuators. They are designed to deliver a 4 to 10 second (4 second is standard) fail safe return. They are not spring return, but rather they are driven by a super capacitor which allows a very fast return to the normal or fail safe position desired. The basic models come in both ON/ OFF and 2-10VDC options. Auxillary switches and feedback options are available on the **NKQB24-1** model. The **NKQB24-SR** comes with a feedback of 2-10 VDC standard and the auxillary switch is an optional add-on. For more customized control, the **NKQx-MFT** models can be custom ordered based on the options available.

#### FEATURES

- Standard 4 second drive time
- Standard 1/2" to 1.05" clamp
- 3' plenum rated cable with conduit connnector
- 24VAC/DC power supply
- Direct coupled
- 5 year warranty

#### INDIVIDUAL SPECIFICATIONS

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MODEL	TORQUE	SUPPLY VA	CONTROL SIGNAL	FEEDBACK	AUXILIARY	DRIVE TIME
NKQB24-1	54 in-lb (6 Nm)	22 VA	On/Off	None	S1A or S2A (optional)	4 seconds
NKQB24-SR	54 in-lb (6 Nm)	22 VA	Proportional 2 to 10 VDC (4-20 mA)	Proportional (2-10 VDC)	S1A or S2A (optional)	4 seconds
NKQX24-MFT*	54 in-lb (6 Nm)	22 VA	Proportional 2 to 10 VDC (4-20 mA)	Proportional (2-10 VDC)	S1A or S2A (optional)	4 seconds
*Custom multi-functior	n technology option. I	Default is 2 to 1	0 VDC.	10		le

DIMENSIONS						
TORQUE	DIMENSIONS	MAXIMUM SHAFT DIAMETER	MINIMUM SHAFT LENGTH	ENCLOSURE RATING	WEIGHT	
54 in-lb (6 Nm)	10.1"H x 3.86"W x 3.15"D (25.1 x 9.8 x 8.0 cm)	1.05" (2.7 cm)	1.75" (4.5 cm)	NEMA2 / IP54 UL enclosure type 2	2.4 lb (1.0 Kg)	

#### **ORDERING INFORMATION**

MODEL NKQB24-1 NKQB24-SR NKQX24-MFT	<b>DESCRIPTION</b> Electronic failsafe actuator, 54 in-lb, 24 VAC/VDC, On/Off Electronic failsafe actuator, 54 in-lb, 24 VAC/VDC, 2-10 VDC proportional (4-20 mA) Electronic failsafe actuator, 54 in-lb, 24 VAC/VDC, 2-10 VDC proportional (4-20 mA) w/ MFT technology		
	ACCESSORIES		
K-AM25	0.75" (1.91 cm) shaft clamp		
P370	Shaft mount auxilliary switch		
S1A	Optional SPDT auxiliary switch for LM, NM, AM, GM, GK, NK		
S2A	Optional 2X SPDT auxiliary switch for LM, NM, AM, GM, GK, NK		
ZG-NMA	Crank arm adapter kit for NQB, NKQX		
ZS-100	Galvanized weather shield for Belimo AFB/NFB/LF/TF/GMB/AMB/NMB/LMB		
ZS-150	Polycarbonate weather shield for Belimo AFB/NFB/LF/TF/GMB/AMB/NMB/LMB		
ZS-260	Explosion proof housing		

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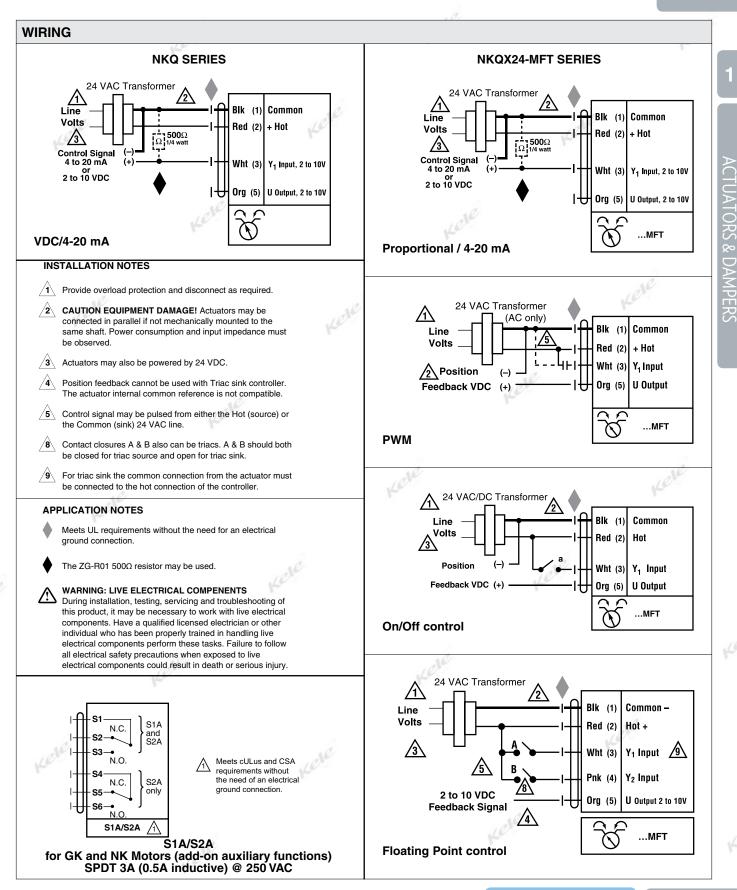
BELIMO

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