

## Mx41-730x Series

### 270 lb-in Spring Return SmartX Damper Actuators

#### Features

- 270 lb-in (30 N-m) of torque with mechanical spring return, manual override, and Brushless DC Motor.
- Stall protected throughout rotation and reversible mounting.
- Models for Two Position 24 Vac/Vdc, and Two Position 100...230 Vac applications.
- Models for 2...10 Vdc input signal applications (field configurable for other input signals) with a position feedback signal and direct/reverse acting control mode selection switch on both sides.
- Models for auxiliary switch applications.
- Models for NEMA 4 / IP66 outdoor applications.
- Direct mount to ½"...¾" round or ½"...11/16" square damper shafts or to ¾"...1.05" round with the field removal of a clamp insert.
- 95° of rotation, adjustable with mechanical end stops and graduated position indicator showing 0°...95°.
- Can be double-mounted (gang mounting) to accommodate high torque application requirements.
- 5 Year warranty.



#### Product Description

Mx41-730x Series Spring Return SmartX Actuators are available with Two Position 24 Vac/Vdc, Two Position 100...230 Vac, and 2...10 Vdc input signal applications. It is possible to field configure the 2...10 Vdc input signal models for other input signals such as floating and pulse width modulating (PWM).

Specifications	
<b>Control Signal</b>	Two Position, 2-10 Vdc <sup>1</sup>
<b>Optional Control Signal (MS41 models only)</b>	Floating, Pulse width modulating (PWM), Adjustable start point, and Span DC signal inputs with use of the BEL-ZTH US handheld interface module for field programming
<b>Power Inputs</b>	See table.
<b>Connections</b>	3' appliance cable with 18 Ga. (0.9 mm) conductors and one 1/2" conduit connector -W02/-WH2 models: Removable terminal blocks
<b>Electrical Outputs</b>	Position Feedback: 2...10 Vdc, 0.5 mA max, adjustable with optional BEL-ZTH US Handheld Interface Module for Field Programming Auxiliary Switch: 2 SPDT 3 A (0.5 A) @ 250 Vac (select models; see table)

<b>Mechanical Outputs</b>	Travel: Angle of rotation 95° max. Position Indicator: Graduated position indicator showing 0° ... 95° Manual Override: Actuators provided with 5 mm hex crank
<b>Ambient Temperature Limits</b>	Shipping & Storage: -40 ... 176 °F (-40...80 °C) Operating: -22 ... 122 °F (-30...50 °C) Operating Humidity: 0 ... 95% non-condensing
<b>Location</b>	NEMA 2 and NEMA 4 (select models; see table)
<b>Agency Listings</b>	c-UL-us LISTED per UL 60730-1A & -2-14, and CAN/CSA E60730- 1:02, CE compliant to directives 2014/35/EU [LVD], 2014/30/EU [EMC], and 2011/65/EU [RoHS2].
<b>Applicable Literature</b>	F-27870 Installation Instructions

<sup>1</sup>Also compatible with other two position, floating, PWM, and proportional input signals, refer to the SmartX Actuators Spring Return Damper Mx-730x Series Installation Instructions, F-27870.

Part Number	Torque lb-in (N-m)	Spring Return	Actuator Inputs			Outputs		Approximate Timing in seconds @ 70°F						
			Control	Voltage	VA @ 60Hz	Feedback	Aux. Switch	Powered	Spring Return	NEMA 4	Heater			
MA41-7303	270 (30)	CW/CCW	Two Position	24 Vac	16 VA	—	—	75	<20	—	—			
MA41-7303-502							2							
MA41-7300				—										
MA41-7300-502				2										
MS41-7303			2...10 Vdc	24 Vac	—	16 VA	2...10 Vdc	—				150	Yes	Yes
MS41-7303-502								2						
MS41-7303-W02					—									
MS41-7303-WH2					16 VA and 21 W heater									