

Mx41-7xxx Series

60 lb-in and 133 lb-in Direct Coupled Damper Actuators

Features

- Direct mount to round or square damper shaft
- 60 lb-in (7 N-m) and 133 lb-in (15 N-m) torque rating
- Overload protection throughout rotation
- Optional built-in auxiliary switches
- Provides true mechanical clockwise or counterclockwise spring return operation for reliable positive close-off in airtight applications
- Direct acting or reverse acting control mode available on proportional models
- Rotation limiting available
- Rugged die-cast housing for NEMA 2/IP54 rating
- Manual override
- 5-year warranty



Product Description

Designed for controlling air dampers in building systems that require fail safe return, with two position, floating or proportional control.

Specifications	
Control Signal	On-off, SPST control contacts or Triacs (500 mA rated). Floating point control, 24 Vac. Proportional, 2...10 Vdc or 4 to 20 mA dc with a 500 W resistor.
Power Inputs	See table.
Connections	3 ft. appliance cables, 1/2 in. conduit connector.
Electrical Outputs	Position Feedback Voltage "AO": 2...10 Vdc (maximum 0.5 mA) output signal for position feedback or operation of up to four slave actuators. Two auxiliary switches available (select models). SPDT 7a resistive @24 Vac or 250 Vac.
Mechanical Outputs	Travel Rotation is limited to 95° ± 5° maximum, adjustable from 30...95° with a mechanical stop. Position Indicator: Pointer and scale are provided. Manual Override: manual adjustable rotation -5°...85°.

Ambient Temperature Limits	Shipping & Storage: -40 F...160°F (-40...71°C). Operating: -22...140°F (-30...60°C). Humidity: 5...95% RH, non-condensing.
Location	NEMA 1, NEMA 2 (IEC IP54) with conduit connector in down position.
Agency Listings	UL 873: Underwriters Laboratories (File # E9429 Category Temperature-Indicating and Regulating Equipment). CUL: UL LISTED for use in Canada by Underwriters Laboratories. Canadian Standards C22.2 No. 24.
Applicable Literature	F-26646 Selection Guide

Part Number	Torque lb-in (N-m)	Spring Return	Actuator Inputs			Outputs		Approximate Timing in seconds @ 70°F	
			Control	Voltage	VA @ 60Hz	Feedback	Auxiliary Switch	Powered	Spring Return
MA41-7070	60 (7)	CW/CCW	2 Position	120 Vac	5.6	—	—	<80	<40
MA41-7070-502							2-SPDT (250 Vac)		
MA41-7071							—		
MA41-7071-502							2-SPDT (250 Vac)		
MA41-7073							—		
MA41-7073-502	2-SPDT (24 Vac)								
MA41-7150	133 (15)		120 Vac	10.0	—		<190		
MA41-7150-502					2-SPDT (250 Vac)				
MA41-7151					—				
MA41-7151-502					2-SPDT (250 Vac)				
MA41-7153		—							
MA41-7153-502	2-SPDT (24 Vac)								
MF41-7073	60 (7)	Floating	24 Vac/dc	6.2	—	<195	<30		
MF41-7073-502	2-SPDT (24 Vac)								
MF41-7153	133 (15)				—	<190			
MF41-7153-502	2-SPDT (24 Vac)								
MS41-7073	60 (7)				2...10vdc	5.8		2...10 vdc	—
MS41-7073-502	2-SPDT (24 Vac)								
MS41-7153	133 (15)	—	<190						
MS41-7153-502	2-SPDT (24 Vac)								