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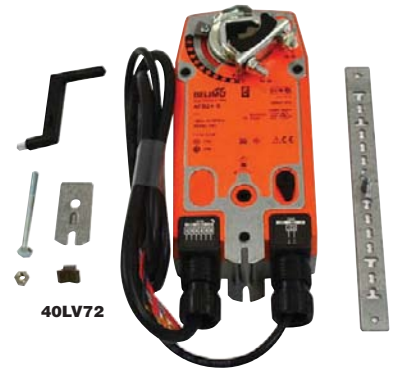
2HFD6



6HXU7



40LV72



SIEMENS

Honeywell

KMC  
CONTROLS

BELIMO

## Electric Damper Actuators

Torque	Signal Type	Timing	Voltage	Switch Type	Mfr. Model	Item No.
<b>Honeywell (Cont.)</b>						
<b>Spring-Return (Cont.)</b>						
80 in-lb	On/Off	15 sec Nominal @ 60 Hz, 15 sec Spring Return	24VAC	5 SPDT	MS8109F1010	278Y30
	On/Off	15 sec Nominal @ 60 Hz, 15 sec Spring Return	120VAC	—	MS4109F1010	34GR12
	Floating	20 sec Spring Return, 90 sec Nominal @ 60 Hz	24VAC/DC	Modulating/Floating	MS7510W2206	6XKH0
88 in-lb	Floating, On/Off	20 sec Spring Return, 90 sec Nominal @ 60 Hz	24VAC/DC	SPDT	MS7510A2008	2HFD6
	On/Off	20 sec Spring Return, 45 sec Nominal @ 60 Hz	24VAC/DC	SPST	MS8110A1008	278Y34
	On/Off	20 sec Spring Return, 45 sec Nominal @ 60 Hz	100-240VAC	SPST	MS4110A1002	278Y21
	On/Off	20 sec Spring Return, 45 sec Nominal @ 60 Hz	100-240VAC	2 SPDT	MS4110A1200	278Y31
	Floating	20 sec Spring Return, 90 sec Nominal @ 60 Hz	24VAC	Modulating/Floating	MS7520W2007	278Y39
	Floating, On/Off	20 sec Spring Return, 90 sec Nominal @ 60 Hz	24VAC	SPDT	MS7520A2007	2HFE3
	On/Off	15 sec Nominal @ 60 Hz, 15 sec Spring Return	24VAC	SPST	MS8120F1002	278Y16
175 in-lb	On/Off	15 sec Nominal @ 60 Hz, 15 sec Spring Return	24VAC	2 SPDT	MS8120F1200	278Y17
	On/Off	15 sec Nominal @ 60 Hz, 15 sec Spring Return	120VAC	SPST	MS4120F1006	2HEY9
	On/Off	15 sec Nominal @ 60 Hz, 15 sec Spring Return	120VAC	2 SPDT	MS4120F1204	2HEZ1
	On/Off	20 sec Spring Return, 45 sec Nominal @ 60 Hz	100-240VAC	SPST	MS4120A1001	278Y23
	On/Off	20 sec Spring Return, 45 sec Nominal @ 60 Hz	100-240VAC	2 SPDT	MS4120A1209	278Y24
<b>Non-Spring-Return</b>						
44 in-lb	Floating, On/Off	95 sec Nominal @ 60 Hz	24VAC/DC	SPDT	MN7505A2001	278Y11
70 in-lb	Floating, On/Off	95 sec Nominal @ 60 Hz	24VAC/DC	SPDT	MN6105A1011	278Y13
	Floating, On/Off	90 sec Nominal @ 60 Hz	24VAC	SPDT	ML6174B2019	278Y14
<b>KMC Controls</b>						
<b>Non-Spring-Return</b>						
40 in-lb	Floating	90 sec	24VAC/DC	—	MEP-4001	6HXU4
	Floating	90 sec	24VAC/DC	—	MEP-4003	6HXU6
	Proportional	90 sec	24VAC	—	MEP-4002	6HXU5
<b>Capacitor Fail-safe</b>						
320 in-lb	Floating	90 to 115 sec and 80 to 115 sec	24VAC/DC	—	MEP-7851	6HXU7
	Floating	90 to 115 sec and 80 to 115 sec	24VAC/DC	—	MEP-7853	6HXU9
	Proportional	90 to 115 sec	24VAC/DC	—	MEP-7852	6HXU8

Torque	Signal Type	Timing	Voltage	Switch Type	Mfr. Model	Item No.
<b>Belimo</b>						
<b>Spring-Return</b>						
22 in-lb	On/Off	75 sec	24VAC/DC	—	TFRB24	42FG37
	On/Off	75 sec	100-240VAC	SPDT	TFB120-S	42FG39
30 in-lb	On/Off	15 sec	120VAC	—	FSLF120	40LV79
	Floating, On/Off	150 sec	24VAC/DC	—	LF24-3	40LV85
	MFT	150 sec	24VAC/DC	—	LF24-MFT	40LV86
35 in-lb	On/Off	75 sec	24VAC/DC	—	LF24	40LV84
	On/Off	75 sec	24VAC/DC	SPDT	LF24-S	40LV87
	On/Off	75 sec	120VAC	—	LF120	40LV82
	On/Off	75 sec	120VAC	SPDT	LF120-S	40LV83
	Proportional	150 sec	24VAC/DC	—	LF24-SR	40LV88
70 in-lb	On/Off	15 sec	120VAC	—	FSNF120	40LV80
90 in-lb	Proportional	95 sec	24VAC/DC	—	NFB24-SR	40LV94
	MFT	150 sec	24VAC/DC	—	AFB24-MFT	40LV71
	On/Off	25 sec	120VAC	—	FSAF120A	467F89
	On/Off	75 sec	24-240VAC	—	AFBUP	40LV74
180 in-lb	On/Off	75 sec	24-240VAC	2 SPDT	AFBUP-S	40LV75
	On/Off	75 sec	24VAC/DC	—	AFB24	40LV70
	On/Off	75 sec	24VAC/DC	2 SPDT	AFB24-S	40LV72
	On/Off	95 sec	24VAC/DC	—	AFB24-SR	40LV76
	Proportional	95 sec	24VAC/DC	—	AFB24-SR	40LV73
<b>Non-Spring-Return</b>						
	Floating, On/Off	90 sec	24VAC/DC	—	LRB24-3	40LV92
	Floating, On/Off	150 sec	24VAC/DC	—	LRB24-3	40LV89
45 in-lb	Floating, On/Off	150 sec	24VAC/DC	—	LMB24-3-T	40LV90
	Proportional	90 sec	24VAC/DC	—	LRB24-SR	40LV93
	Proportional	95 sec	24VAC/DC	—	LRB24-SR	40LV91
	Proportional	95 sec	24VAC/DC	—	LMB24-SR-T	42FG35
90 in-lb	Floating, On/Off	95 sec	24VAC/DC	—	NMB24-3	40LV95
	MFT	150 sec	24VAC/DC	—	NMB24-MFT	42FG31
	Proportional	150 sec	24VAC/DC	—	NMB24-SR	40LV96
180 in-lb	Floating, On/Off	95 sec	24VAC/DC	—	AMB24-3	35YK09
	Proportional	90 sec	24VAC/DC	—	ARB24-SR	40LV78
	Proportional	95 sec	24VAC/DC	—	AMB24-SR	40LV77
360 in-lb	Proportional	150 sec	24VAC/DC	—	GMB24-SR	40LV81
	Floating, On/Off	90 sec	24VAC	—	TR24-3	40LV97
	Floating, On/Off	90 sec	24VAC	—	TR24-3-T	40LV98
	Proportional	90 sec	24VAC/DC	—	TR24-SR-T	42FG32

## Damper Motors

NEMA 3 wiring box provides weather protection, except 2E976 has an internal SPDT switch.

Spring Return	Torque	Signal Type	Timing	Voltage	H	W	D	Mfr. Model	Item No.
<b>Electric Actuator, Modutrol Motor</b>									
No	150 in-lb	Proportional	30 to 60 sec Nominal @ 60 Hz	24V AC	6 7/16 in	5 1/2 in	7 9/16 in	M9184D1021	10D290
Yes	60 in-lb	Proportional	30 to 60 sec Nominal @ 60 Hz	24V AC	6 7/16 in	5 1/2 in	8 3/4 in	M9185D1004	4E389
Yes	60 in-lb	Proportional	30 to 60 sec Nominal @ 60 Hz	24V AC	6 7/16 in	5 1/2 in	8 3/4 in	M8185D1006	278Y15
Yes	20 in-lb	—	25 sec Spring Return, 30 sec Nominal @ 60 Hz	120V AC	4 1/2 in	4 9/16 in	3 9/16 in	M436A1116	2E976
<b>Electric Actuator, Modutrol IV Motor</b>									
No	150 in-lb	Proportional	30 to 60 sec	24V AC	6 7/16 in	5 1/2 in	7 9/16 in	M6184D1035	1RZY9
<b>Modutrol IV Accessories</b>									
Internal Transformer Kit, 24/120/240VAC Input, Converts from Low Voltage to Line Voltage								50017460-001	278Y98
Internal Auxiliary Switch, Features 1 SPDT Switch with Selectable Differential of 1° to 10° Rotation								220736A	278Z08
Internal Auxiliary Dual Switch, Features 2 SPDT Switches with Selectable Differential of 1° to 10° Rotation								220736B	278Z09
Super Tradeline Damper Linkage, Internal or External Mount, Contains Ball Joints, Motor Crank Arm and Damper Arm for 1/2 in Diameter Shaft								Q605D1069	278Y92
Adapter Plate, Steel Bracket to Adjust Modutrol IV Motors to Match Shaft Height of Modutrol III Motors								220738A	278Z05



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