



Young Regulator Co.

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Submit 3085-LMB24SR – 1-10

Model 3085-LMB24SR

Rectangular Opposed Blade Motorized Damper

w/ Belimo LMB24-SR Motor

Non-Spring Return, Direct Coupled 24V, for 2-10VDC and 4-20 mA for Proportional Control

Application and Design

The 3085-LMB24 is used for proportional modulation of dampers in HVAC systems.

The actuator operates in response to a 2 - 10 VDC, or with an optional 500Ω resistor, a 4 - 20 mA control input from an electronic controller or positioner. A 2 - 10 VDC feedback signal is provided for position indication or master-slave applications.

The opposed blade design allows for more even distribution of air for a quieter system and less turbulence.



STANDARD CONSTRUCTION

Frame	.050 Aluminum Extrusion with Reinforcing Channels
Blade	.050 Aluminum Extrusion with Reinforcing Channels
Shaft	½" Plated Steel
Slide	Stainless Steel
Blade Bushing	Individual Synthetic
Low Leak Seals	Not Available

SIZE INFORMATION Damper 3/16" Undersized High & Wide

Frame Width	2 1/8" Wide
Mounting Plate	5" Wide x Damper Height
Blade Width	1.438" - Contained Within Frame
Max Size	36" x 14"
Min Size	3" x 3"

BELIMO LMB24 ACTUATOR

The actuator operates in response to a 2 - 10 VDC, or with an optional 500Ω resistor, a 4 - 20 mA control input from an electronic controller or positioner. A 2 - 10 VDC feedback signal is provided for position indication or master-slave applications.

Volts	24V
Watts	1.5
VA	3
Noise Level	<35 dB (A)
Timing	95 Seconds Constant Independent of Load
Torque	45 in. lb.

Built in motor stop for minimum and maximum air, Reflective visual position indicator

OPTIONS

500Ω resistor	Aux. Switch
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QUANTITY	WIDE	HIGH	NOTES

PROJECT	LOCATION
CONTRACTOR	DESIGN SPECIFIER