



Young Regulator Co.

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Submit 3100 – 1-10

Model 3100

Rectangular Outside Air Damper

Power Open / Spring Close

Application and Design

The Young Regulator Model 3100 is a motorized, rectangular, opposed blade damper. It is constructed of an extruded aluminum frame and blades, stainless steel slide, and a 110V spring return motor. Applications include zone control, outside air, exhaust air vents, although they may be used to control air in any system duct. It can be made to power open and spring return closed, or power close and spring return open.



STANDARD CONSTRUCTION	
Frame	.050 Aluminum Extrusion with Reinforcing Channels
Blade	.050 Aluminum Extrusion with Reinforcing Channels
Mounting Plate	5" Wide x Damper Height
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
Blade Width	1.438" - Contained within frame
Max Size	24" x 14"
Min Size	3" x 3"

ACTUATOR (110V STANDARD)	
Special windings and heavy-duty steel gearing provide for long life and easy spring return operation. Cross pin on motor shaft provides positive direct drive to damper without a coupling or setscrews and allows for quick and easy motor change.	
Volts	110V
Watts	6
VA	10
Amp	.45
Timing	15 Sec Powered. 5 Sec Return.
Torque	35 in. oz.
Adjustable minimum air	
OPTIONS	
24V Motor	PC/SO
Bottom Mount	

QUANTITY	WIDE	HIGH	NOTES

PROJECT	LOCATION
CONTRACTOR	DESIGN SPECIFIER