



Young Regulator Co.

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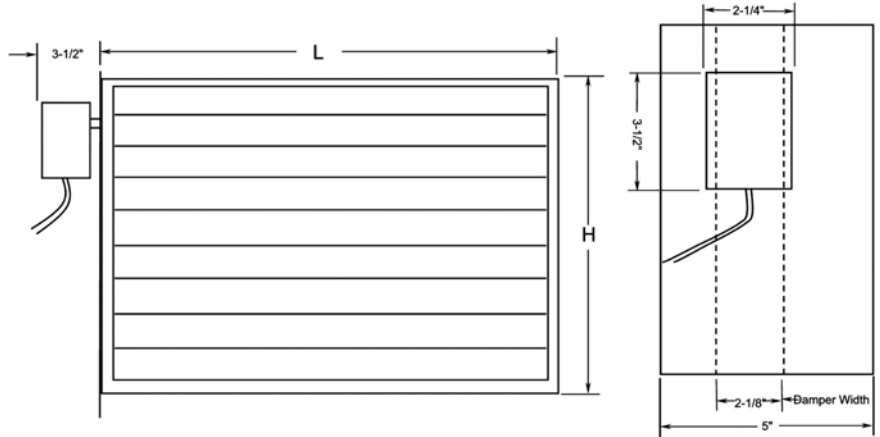
Submit 3151 – 1-10

Model 3151

*Rectangular Motorized 2-Position Damper
Power Open or Close, Spring Return Damper*

Application and Design

The Young Regulator Model 3151 is a motorized rectangular opposed bladed damper constructed of an extruded aluminum frame and blades, stainless steel slide, and a 24V or 110V spring return motor. Features include special motor design with anti-backlash design to protect the gear train from closing shock. Applications include zone control, outside air, exhaust air vents, although they may be used to control air in any system duct. It is made to power open and spring return closed, but can also be made to power close and spring return open.



STANDARD CONSTRUCTION	
Frame	.050 Aluminum Extrusion with Reinforcing Channels
Blade	.050 Aluminum Extrusion with Reinforcing Channels
Shaft	Integral 5/16" Steel
Slide	Stainless Steel
Blade Bushing	Individual Synthetic
SIZE INFORMATION Damper 1/8" undersized high & wide	
Frame Width	2 1/8" Wide
Blade Width	1.438" - Contained within frame
Max Size	24" x 18", 36" x 14" Bottom Mount
Min Size	4" x 4"
RATINGS	
Pressure	.50 W.C.
Velocity	700 FPM
Temperature	0° to 120°F
This is not a low leak damper - leakage when full closed estimated 5% to 7%	

SYNCHRONOUS ACTUATOR	
Direct drive, stall type actuator features a hysteresis synchronous motor designed for long life with a "lost motion" drive to protect the gear train from closing shock.	
Volts	24V or 110V
Watts	6.5
VA	7
Amp	.45
Timing	25 Sec Powered. 5 Sec Return.
Torque	35 in. oz.
Minimum Air Adjustment	
OPTIONS	
Transformers	Thermostats
110V Motor	PC/SO or PO/SC
End Switch	

QUANTITY	WIDE	HIGH (MOTOR SIDE)	NOTES

PROJECT	LOCATION
CONTRACTOR	DESIGN SPECIFIER