



Young Regulator Co.

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Submit SDTF – 1-10

Model SDTF

*Rectangular Opposed Blade Damper
 PO/SC with Belimo TF Actuator*

Application and Design

The Young Regulator Model SDTF is a motorized rectangular opposed blade damper constructed of an extruded aluminum frame and blades, stainless steel slide, and a Belimo TF spring return motor, available in 24V (standard) or 120 / 230V (optional). The TF actuator, with it's 5 year warranty, delivers 18 in. lbs. of torque and is available with an optional auxiliary switch. Applications include zone control, outside air, exhaust air vents, although they may be used to control air in any system duct. Standard configuration is power open / spring return closed. Power close and spring return open is optional.



STANDARD CONSTRUCTION	
Frame	.050 Aluminum Extrusion with Reinforcing Channels
Blades	.050 Aluminum Extrusion with Reinforcing Channels
Mounting Plate	5" Wide x Damper Height
Shaft	1/2" Round Plated Steel
Slide	Stainless Steel
Bushings	Individual Synthetic Blade Bushings
SIZE INFORMATION	
Damper 3/16" undersized high and wide	
Frame Width	2 1/8" Wide
Blade Width	1.438" - Contained within Frame
Max Size	24" x 14" Side Mount 36" x 24" Bottom Mount
Min Size	3" x 3"

BELIMO TF ACTUATOR	
Spring return direct-coupled actuators. Visible blade position indicator. Adjustable min/max air setting with 5 year warranty	
Volts	24V, Optional 120V - 230VAC
Watts	2.5
VA	5
Timing	< 75 Sec, Run Open <25 Sec, Spring Return
Torque	18 in. lb.
Sound	<50 dB(A) Drive <62 dB(A) Spring Return

OPTIONS	
110V Motor	Thermostats
Auxiliary Switch	Transformers

QUANTITY	WIDE	HIGH	NOTES

PROJECT	LOCATION
CONTRACTOR	DESIGN SPECIFIER