



Young Regulator Co.

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Submit SDTF 12-2019

Model SDTF

*Rectangular Opposed Blade Damper
PO/SC with Belimo 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 its 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		
Blade	.050 Aluminum Extrusions with Reinforcing Features		
Shaft	½" Plated Steel		
Slide	Stainless Steel		
Blade Bushings	Individual Synthetic Blade Bushings		
Low Leak Seals	Not Available		
Size Information			
Frame Width	2 1/8" wide		
Mounting Plate	5" wide by Damper Height		
Blade Width	1.438" Contained within the Frame		
Min/Max Size	Min-3"x3" / Max 24"x24" or 36"x14" Bottom Mount		
Width	Height	Quantity	Notes
Project			Location
Contractor			Design Specifier

Belimo TF Actuator - Spring Return direct-coupled actuator. Visible blade position indicator. Adjustable min/max air setting.	
Volts	24VAC Optional 120VAC, 230VAC
Watts / VA	2.5W / 5VA
Noise Level	<50 dB(A) Drive Open / <62dB(A) Spring Closed
Timing	<75 Sec Drive Open / <25 sec Spring Closed
Torque	18 Inch Pounds
Built-in motor stop for minimum and maximum air	
Reflective Visual Position Indicator	
Options / Accessories	
120VAC Motor	Thermostat
230VAC Motor	Transformer
Auxiliary Switch	