



**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 either 24V (standard) or 120V/230V (optional).

The TF actuator, with its 5 year warranty, delivers 18 in. lbs. of torque and is available with an option auxillary 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 close. Power close and spring return open is optional.



**STANDARD CONSTRUCTION**

Frame	.050 Aluminum Extrusion with Reinforcing Channels
Blade	.050 Aluminum Extrusion with Reinforcing Channels
Slide	Stainless Steel
Blade Bushing	Synthetic

**SIZE INFORMATION (DAMPER 3/16" UNDERSIZED HIGH & WIDE)**

Frame Width	2-1/8" W
Mounting Plate	5" W x H
Blade Width	1.438" - Contained within Frame
Max Size	24" x 24", 36" x 14" Bottom Mount
Min Size	4" x 3"

Quantity	Option	Notes

<b>PROJECT</b>	<b>LOCATION</b>
<b>CONTRACTOR</b>	<b>DESIGN SPECIFIER</b>

**BELIMO TF ACTUATOR**

Spring return direct-coupled actuators. Visible blade position indication. Adjustable min/max air setting with 5 year warranty.

Volts	24V (AC or DC), Optional 120V (AC)
Watts	2.5W
VA	5VA
Timing	< 75 Drive, < 25 Spring Return
Torque	18 in.oz.

**OPTIONS AND ACCESSORIES**

24V (Standard) / 120V (Optional)
Auxillary Switch
Thermostat (YR Model T-312-CE or T-720-2P)
Transformer (YR Model 3035)