



Young Regulator Co.

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Submit 3085 – 1-10

Model 3085

*Rectangular Motorized Damper
 Modulating VAV Damper*

Application and Design

The Young Regulator Model 3085 regulates the flow of air by modulating control. They are equipped with a direct-coupled 7-minute actuator that operates in response to an electric control signal. When used with a single pole / double throw / center off thermostat (YR part # T-312 or T-641) available separately, the damper will provide modulating zone temperature control in residential and light commercial zoning applications.

For P&I control see Model 3085-H90.

The opposed blade design allows for more even distribution of air for a quieter system and less turbulence.



STANDARD CONSTRUCTION	
Frame	.050 Aluminum Extrusion with Reinforcing Channels
Blade	.050 Aluminum Extrusion with Reinforcing Channels
Mounting Plate	5" Wide x Damper Height
Shaft	1/2" Plated Steel
Slide	Stainless Steel
Blade Bushing	Individual Synthetic
Low Leak Seals	Not Available
SIZE INFORMATION Undersized 3/16" High & Wide	
Frame Width	2 1/8" Wide
Blade Width	1.438" - Contained Within Frame
Max Size	24" x 24"
Min Size	4" x 3"

HONEYWELL ML6161 ACTUATOR	
Non-spring return direct-coupled actuators.	
Volts	24V
Watts	2.0
VA	2.2
Amp	0.085
Timing	7 Minutes
Torque	35 in. lb.
Built in motor stop for minimum and maximum air	
OPTIONS	
Transformers Pt# 3035	T-312 Thermostat
Spring Return - Model SDTF	T-641 Thermostat

QUANTITY	WIDE	HIGH	NOTES

PROJECT	LOCATION
CONTRACTOR	DESIGN SPECIFIER