Young Regulator Co.
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Submit 3085-IN – 1-10

Model 3085-IN

Rectangular Opposed Blade Modulating VAV Damper Actuator in the Air Stream

Application and Design

The Young Regulator 3085-IN damper is designed so that it can be slipped into the duct with the actuator and linkage concealed within the framework of the damper. This is an ideal damper for retrofit application.

The 3085-IN 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.

The damper can be controlled with a proportional and integral thermostat (P+I) like the T-322-JS or T-422. A motor with 90 second Honeywell actuator will be used (at no extra charge).

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
Shaft	½" Plated Steel
Slide	Stainless Steel
Blade Bushing	Individual Synthetic
Low Leak Seals	Not Available
SIZE INFORMATION Damper 3/16" Undersized High & Wide	
Frame Width	2 1/8" Wide
Mounting Plate	6.5" Wide x Damper Width
Blade Width	1.438" - Contained Within Frame
Max Size	36" x 14"
Min Size	10" x 4"

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	T-312 Thermostat
90 Second Motors	T-641 Thermostat
2-10V, 4-20mA Motors	Spring Return Motors

QUANTITY	WIDE	HIGH	NOTES (MOTOR ON THE WIDE SIDE)

PROJECT	**LOCATION**
CONTRACTOR	**DESIGN SPECIFIER**