



# YOUNG REGULATOR

20910 Miles Parkway • Cleveland, OH 44128  
 (216) 663-5646 • (216) 663-1830 fax

SUBMITTAL 3165 REV. b • 3-03  
**RECTANGULAR DAMPER**

## SUBMITTAL DATA

**Model 3165**  
**MOTORIZED CONTROL**  
**DRIVE OPEN – DRIVE CLOSED**

### APPLICATION AND DESIGN

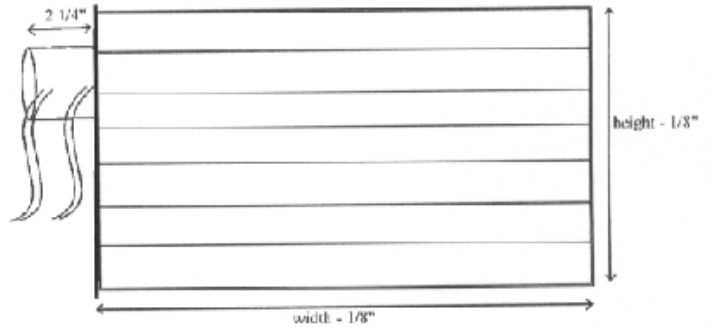
The Young Regulator Model 3165 is a high free area rectangular opposed blade damper constructed of aluminum and stainless steel with a galvanized steel mounting plate. 24V actuator will drive the motor open and drive the motor closed. It is generally used in air ducts to control airflow with a single pole double throw thermostat.

### RATINGS

Pressure: 1" W.C.  
 Velocity: 1,000 CFM  
 Temperature: 20°F to 125° F

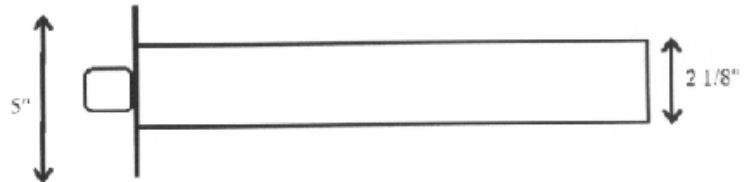
### STANDARD CONSTRUCTION

Frame: .050 extruded aluminum channel with stiffening channel  
 Blade: .050 extruded aluminum channel with stiffening channel  
 Operator: motorized  
 Slide Mechanism: 304 stainless steel  
 Blade Bushings: Teflon  
 Mounting Plate: 18 gauge galvanized steel for slip-in installation  
 Leakage: 7% at 1000 CFM



### ACTUATOR

drive open – drive closed, 15 second timing  
 24V synchronous actuator  
 10Va., 6 Watt, 35 in. oz. torque  
 with special windings and heavy-duty gearing  
 crosspin drive on the shaft provides direct drive



### SIZE INFORMATION (w x h)

Minimum Size: 4" x 4"  
 Maximum Size: 24" x 24"  
 Frame: 2 1/8" wide  
 Damper Undersized by 1/8"

### OPTIONS

- thermostats

QUANTITY	SIZE		
	W	H	
PROJECT			LOCATION
CONTRACTOR			DESIGN SPECIFIER



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- transformers

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QUANTITY	SIZE		
	W	H	
PROJECT			LOCATION
CONTRACTOR			DESIGN SPECIFIER