



# YOUNG REGULATOR

## RECTANGULAR TWO POSITION OUTSIDE AIR DAMPER

### Model 3100

115 V Power Open / Spring Closed

### APPLICATION AND DESIGN

The Young Regulator 3 100 Rectangular Outside Air Dampers operate in conjunction with the equipment by powering open when the unit is on, providing fresh outside air. The damper springs closed when the equipment is off. They are ideal for outside air, air intake, and exhaust air vents.

The Young Regulator Model 3100 is a high free area rectangular opposed blade damper constructed of aluminum, galvanized steel and stainless steel. 110V will engage the motor when powered, and the damper will spring return when power is cut.

### RATINGS

Pressure: .75" W.C.  
 Velocity: 1,000 CFM  
 Temperature: 20°F to 125° F

### STANDARD CONSTRUCTION

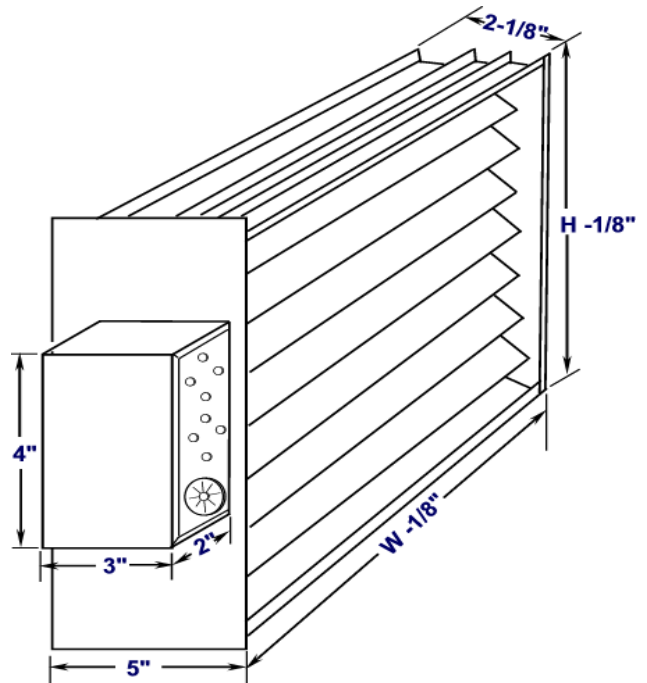
Frame: .050 extruded aluminum channel with stiffening channel  
 Blade: .050 extruded aluminum channel with stiffening channel  
 Operator: motorized  
 Slide Mechanism: 304 stainless steel  
 Blade Bushings: Teflon  
 Mounting Plate: 18 gauge galvanized steel for slip-in installation

### ACTUATOR

110V synchronous actuator  
 10Va., 6 Watt, 35 in. oz. torque  
 with special windings and heavy-duty gearing  
 crosspin drive on the shaft provides direct drive  
 in a vented aluminum enclosure w/ conduit knockout

### SIZE INFORMATION (w x h)

Minimum Size: 4" x 4"  
 Maximum Size: 24" x 14"  
 Bottom Mount to: 30" x 10"  
 Frame: 2 1/8" wide  
 Damper Undersized by 1/8"



### OPTIONS

- 24V actuators

QUANTITY	SIZE		
	W	H	
PROJECT			LOCATION
CONTRACTOR			DESIGN SPECIFIER