



**POWER OPEN OR POWER CLOSE, SPRING RETURN DAMPER**

**Model 4020**  
**Two Position Motorized Control**  
**High Torque Motor**

**SUBMITTAL DATA**

**Application and Design**

The Young Regulator Co. model 4020 motorized dampers are power open or power close, spring return. They are designed especially for use in temperature control, zone control and outside air applications, but can be used to control airflow in any system duct.

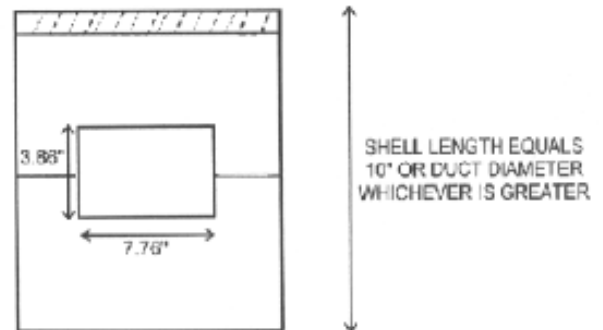
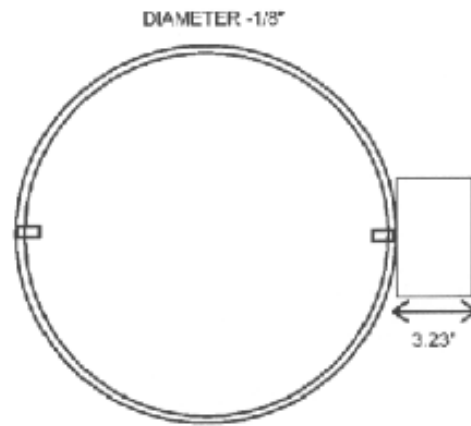
**Ratings**

Pressure: 2" W.C.  
 Velocity: 1,500 CFM  
 Temperature: 20°F to 125°F

**Standard Construction**

Frame: 20 gauge spiral galvanized steel  
 Blade: 20 gauge galvanized "V" blade  
 Bushings: oil impregnated bronze  
 Shaft: 1/2" diameter steel

**Actuator** Spring Return  
 24V, 35 in. lb. torque  
 direct coupled, UL & CSA listed  
 3.4 watt, 4.9 VA  
 or  
 120V, 35 in. lb torque  
 6.3 watt, 6.3 VA  
 < 50 second powered  
 < 26 second spring return



**Size Information**

Minimum Size: 4"  
 Maximum Size: 24"  
 Shell Length: 10" or diameter,  
 whichever is greater  
 Damper diameter is 1/8" undersized

**Options (at additional costs)**

- EDPM seals for low leakage
- 120V / 24V 40Va transformers
- Plenum rated motor enclosures
- Consider bypass pressure relief if more the 30% of system air is zoned (4092 or 4095)
- Auxiliary Switch

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