



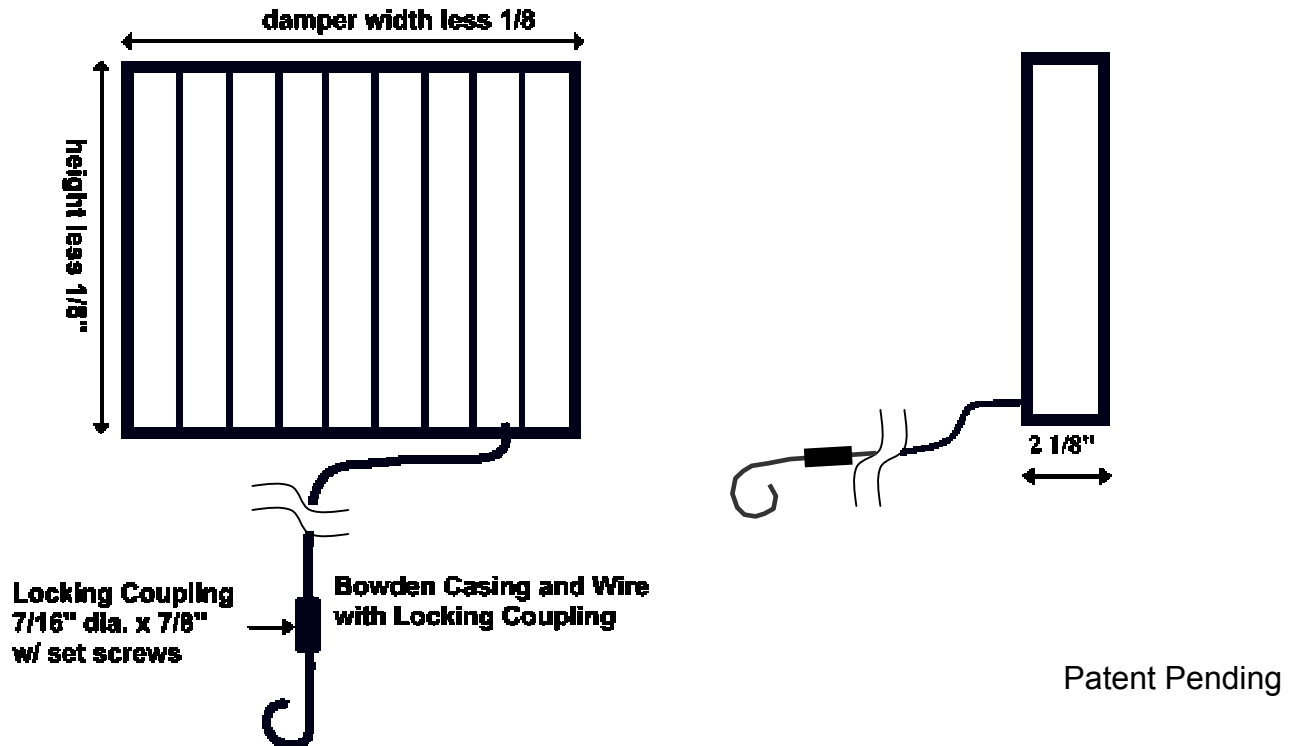
**YOUNG REGULATOR  
SUBMITTAL**

**RECTANGULAR REMOTE CONTROL DAMPER**

**Model 800AW  
Opposed Blade Damper  
Controlled with a Flexible Casing and Wire  
Inside the Air Stream**

**Application and Design**

The Young Regulator Model 800AW is easily installed in the duct before the diffuser to control the volume of air flow. Damper blades operate simultaneously in opposing directions, from fully closed to 90° open. The opposed blade damper distributes the air evenly over the entire face of the grille. A flexible Bowden style casing and wire is attached to the damper's operating slide. The opposite end of the Bowden wire is terminated inside the air stream near the grille. The push / pull motion of the inner wire moves the slide to open or close the damper. Once adjusted, the damper can be locked into position by tightening a setscrew on the locking coupling. Damper and cable are shipped assembled for quick, labor saving installation.



Patent Pending

**Damper Construction**

- Frame: .050 aluminum extrusions w/ stiffening channels
- Blade: .050 aluminum extrusions w/ stiffening beads. 1.44 wide
- Slide: Stainless steel
- Bushings: Individual Teflon blade busings for quiet operation
- Operator: Locking push / pull Bowden style wire and casing with locking steel coupling

**Damper Ratings**

- Pressure: 1" W.C.
- Velocity: 1000 FPM
- Temperature: to 320 degrees F

**Damper Size:** (constructed 1/8" undersized)

- Minimum Size: 4" x 3"
- Maximum Size: 24" x 12"
- Damper Width: 2 1/8"

**Bowden Type Casing and Wire**

- Outer Sheathing: .0265 flexible galvanized spiral
- Inner Wire: .054 stainless steel with tensile strength of 260,000 lbs.
- Standard Length: 36", custom lengths to 60"