



Young Regulator Co.

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Submit 830A-CC – 1-10

Model 830ACC2

Rectangular Opposed Blade Damper Remote Cable Controlled Operator from Inside the Air Stream

Application and Design

Manual balancing dampers concealed above a sheetrock or gypsum board ceiling or in other inaccessible locations present control problems. Access doors are rarely acceptable to the architect or owner.

Young Regulator has developed the Bowden Cable Controls to remotely adjust these inaccessible balancing dampers from a distance as great as 50 feet by using a rack and pinion controller and a flexible casing and wire assembly. This solution provides precise control of inaccessible balancing dampers.

The Young Regulator model 830ACC2 is a rectangular opposed blade damper that is controlled from inside the air stream with the Bowden Cable Controller Model 270-275 or 270-275-ML. This solution provides precise control of inaccessible balancing dampers without disturbing the integrity of the architectural ceiling. The rack and pinion controller is accessed with our model 030-12 control wrench through the opening in the slot diffuser.

The Bowden Casing and Wire's outer spiral sheathing is secured to the damper frame and the inner wire is fastened to the slide. The push-pull motion of the Bowden Rack and Pinion Controller opens and closes the damper. BCW length is limited to 20' when it runs inside the air stream.



| STANDARD CONSTRUCTION | |
|-----------------------|--|
| Frame | .050 Aluminum Extrusion with Stiffening Channels |
| Blade | .050 Aluminum Extrusion with Stiffening Channels |
| Slide | 20 ga. Stainless Steel |
| Blade Bushings | Individual, Synthetic |

| SIZE INFORMATION | |
|------------------------------------|--|
| Damper 1/8" undersized high & wide | |
| Frame Width | 2-1/8" deep, blades are contained within frame |
| Min Size | 3" x 2" |
| Max Size | 36" x 24" |
| OPTIONS | |
| Stainless Steel Construction | Exterior Control with 830ACC |

| QUANTITY | WIDE | HIGH | NOTES |
|----------|------|------|-------|
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|-------------------|-------------------------|
| PROJECT | LOCATION |
| CONTRACTOR | DESIGN SPECIFIER |