



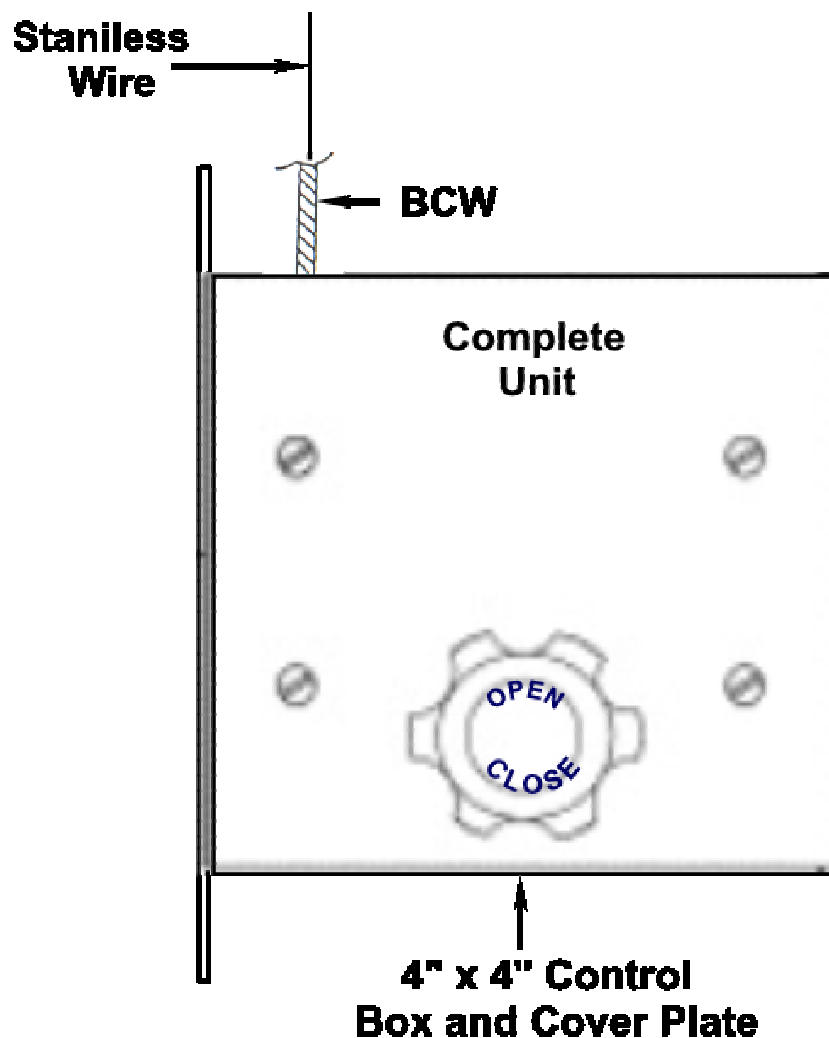
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### **270-700 BOWDEN REMOTE CABLE CONTROL EXPOSED WALL REGULATOR WITH STAINLESS STEEL COVERPLATE AND KNOB**

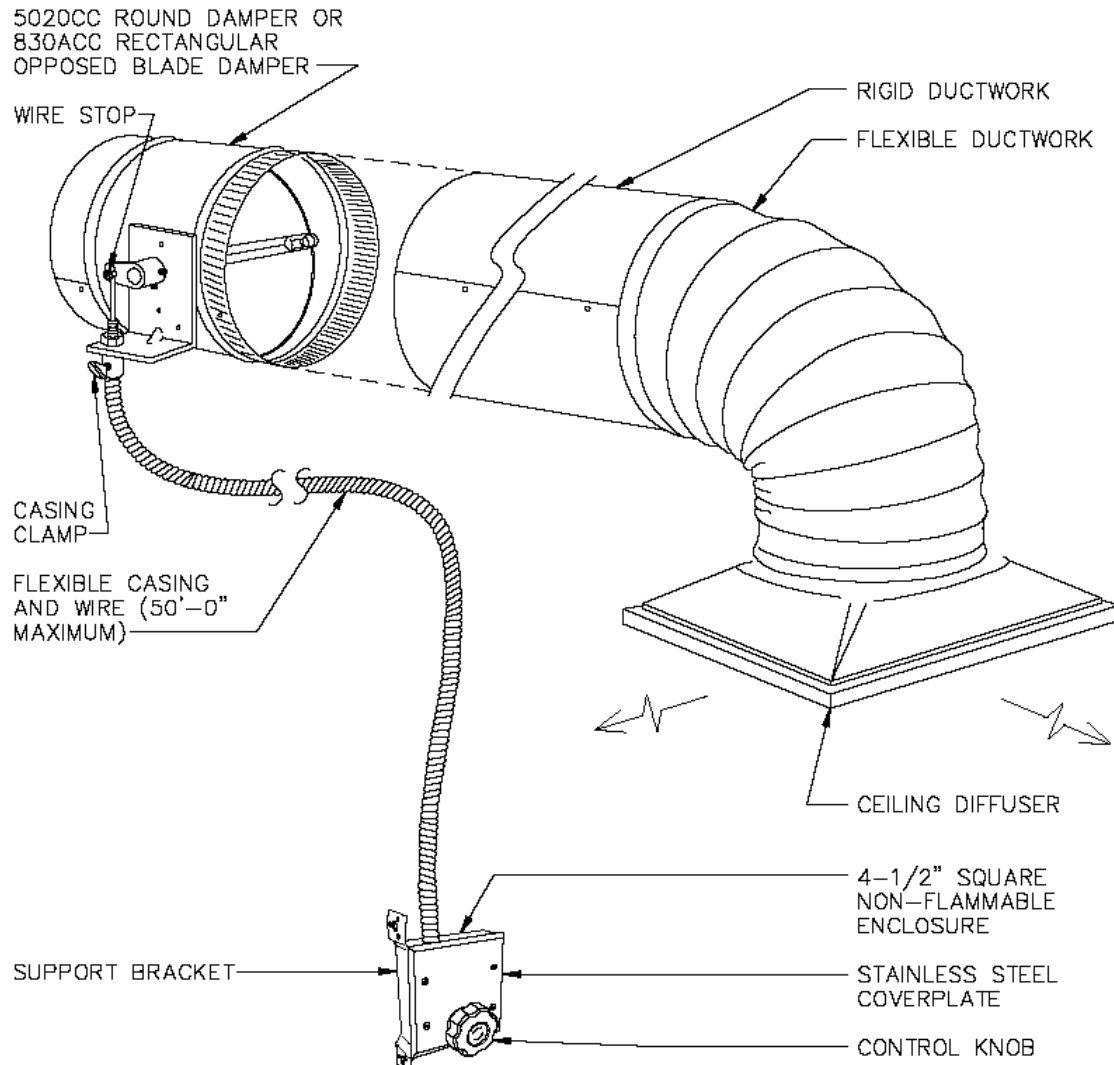
Balancing dampers located in inaccessible spaces are now easily controlled with the Young Regulator Bowden Remote Cable Assemblies. Access is concealed in the ceiling, inside plenums, or moved to a convenient area such as a nearby mechanical room or above a lay in ceiling. Access doors can be eliminated for architectural aesthetics.

A flexible casing and wire up to 50' long runs from a steel rack and pinion locking controller to a damper where the rotary motion of the rack and pinion controller is converted to a push-pull motion with a lever arm.

The **270-700** is a wall regulator installed inside a 4" x 4" electrical box. The box is fastened to a wall stud. The electrical box is covered with a stainless steel cover plate, from which a knob protrudes. This knob can be turned to control the inaccessible damper.



## 270-700 WALL REGULATOR



### NOTES:

- 1) COORDINATE EXACT LOCATION OF EXPOSED WALL MOUNTED MANUAL REGULATOR WITH ARCHITECT AND OTHER TRADES PRIOR TO INSTALLATION.
- 2) CONTROL KIT SHALL BE DESIGNED TO BE MOUNTED IN THE WALL FLUSH WITH THE FINISHED SURFACE, AND TO ALLOW EASY ADJUSTMENT OF DAMPER FROM THE CONTROL KNOB. CONTROL KIT SHALL BE YOUNG REGULATOR MODEL 270-700 OR PRIOR APPROVED EQUAL.
- 3) DAMPER CONTROLLER AND CABLE SHALL BE CONCEALED BEHIND THE WALL.
- 4) CONTROLLER SHALL BE MOUNTED IN 4-1/2" SQUARE NON-FLAMMABLE ENCLOSURE COMPLETE WITH CONTROL KNOB, SUPPORT BRACKET, STAINLESS STEEL COVER PLATE AND EXTERNAL FLANGES FOR WALL STUD INSTALLATION.
- 5) CONTROLLER SHALL BE 14 GAUGE STEEL RACK AND PINION GEAR DRIVE CAPABLE OF DELIVERING 35 IN. LBS. OF PUSH / PULL TORQUE THAT CONVERTS ROTARY MOTION TO PUSH-PULL MOTION.
- 6) CABLE SHALL CONSIST OF BOWDEN CABLE 0.054" STAINLESS STEEL CONTROL WIRE WITH A TENSILE STRENGTH OF 260,000 LBS. THAT IS ENCAPSULATED IN 1/16" FLEXIBLE GALVANIZED SPIRAL WIRE SHEATH.
- 7) CONTROL SHAFT SHALL BE D-STYLE FLATTED 1/4" DIAMETER WITH 265-DEGREE ROTATION PROVIDING GRADUATIONS FOR POSITIVE LOCKING AND CONTROL, AND 1-1/2" LINEAR TRAVEL CAPABILITY.