



Young Regulator Co.

7100 Krick Rd • Walton Hills, OH 44146
 P: 440-232-9700 • F: 440-232-8266
 www.youngregulator.com

Submit 270-301-EZ – 1-10

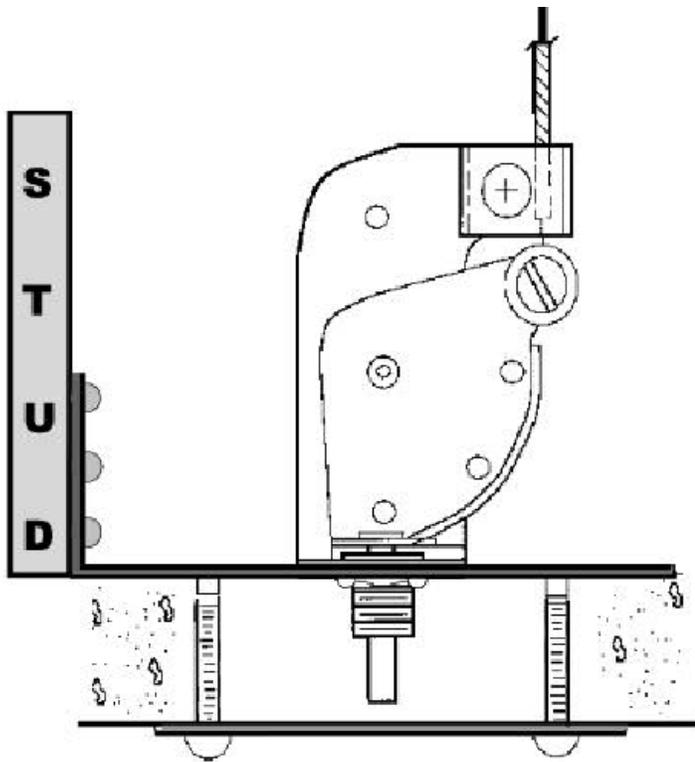
270-301-EZ

Bowden Remote Cable Control Concealed Ceiling Regulator With 3" Cover Plate

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 270-301-EZ consists of the 270 rack and pinion controller mounted atop a right angle bracket that is fastened to a stud above a sheetrock or gypsum board ceiling. A 2 1/4" hole is cut in the sheetrock for access to the controller and is covered with a 3" cover plate that is secured by two 6-32 x 5/8" stainless steel machine screws that are removed for damper adjustment.



MODEL 270-301-EZ

Bowden Concealed Ceiling Regulator
 With 3" coverplate

270-301-EZ

- Rack and pinion controller of 14 ga. galvanized steel
- BCW – Bowden Casing and wire, order in bulk or cut to length, available separately
- Angle Bracket that fastens to stud above ceiling
- 3" Cover plate, zinc plated standard, primer, stainless steel, chrome optional
- Controlled w/ model 030-12 Wrench, available separately

OPTIONS

270-301EZ-B kit includes hardware for dampers by others with 1/2" round or 3/8" square shaft

270-301EZ-B-Q includes hardware for dampers by others with 5/16" round or 1/4" square damper shaft

- Stainless coverplates
- Chrome coverplates
- Power coated primer coverplates
- Oversized coverplates
- Tamper proof screws

QUANTITY	MODEL	OPTION	NOTES

PROJECT	LOCATION
CONTRACTOR	DESIGN SPECIFIER



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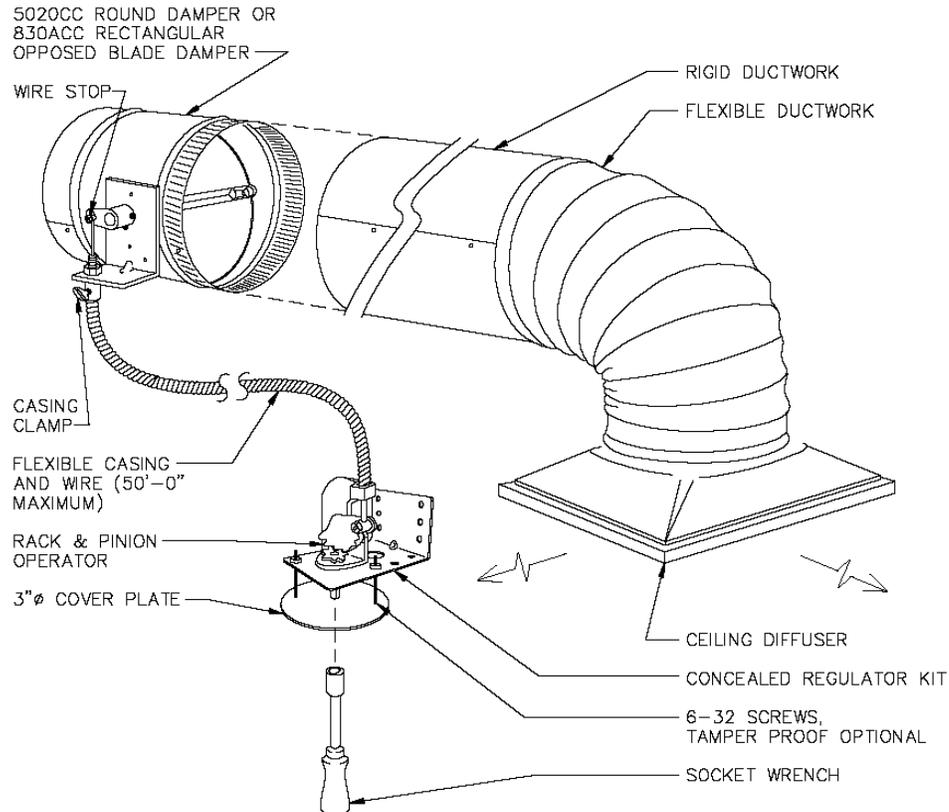
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270-301-EZ

Bowden Remote Cable Control Concealed Ceiling Regulator With 3" Cover Plate



270-301EZ BOWDEN CABLE CONTROL SYSTEM

NO SCALE

NOTE:

- 1) COORDINATE EXACT LOCATION OF CEILING MOUNTED CONCEALED REGULATOR WITH ARCHITECT PRIOR TO INSTALLATION.
- 2) THE 270-301EZ BOWDEN CABLE CONTROL SYSTEM IS DESIGNED TO BE IMBEDDED IN THE CEILING FLUSH WITH THE FINISHED SURFACE. DAMPER POSITION INDICATOR VISIBLE UNDER COVER PLATE.
- 3) CABLE SHALL CONSIST OF BOWDEN CABLE 0.054" STAINLESS STEEL CONTROL WIRE ENCAPSULATED IN 1/16" FLEXIBLE GALVANIZED SPIRAL WIRE SHEATH.
- 4) LOCKING RACK AND PINION GEAR DRIVE SHALL BE CONSTRUCTED OF 14 GAUGE STEEL AND SHALL BE USED TO CONVERT ROTARY MOTION INTO PUSH-PULL MOTION.
- 5) CONTROL SHAFT SHALL BE "D"-STYLE FLATTENED 1/4" DIAMETER WITH 265° ROTATION PROVIDING 1-1/2" LINEAR TRAVEL CAPABILITY.

SUGGESTED SPECIFICATIONS: Damper controller and cable shall be concealed above the ceiling. Cable to consist of Bowden cable .054" stainless steel control wire with a tensile strength of 260,000 lbs. that is encapsulated in 1/16" flexible galvanized spiral wire sheath. Control kit shall consist right angle bracket that is fastened to a stud above the ceiling, a 3" diameter zinc plated [polished chrome, primer powder coat and stainless steel are optional] cover, and 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. Control shaft shall be D-style flattened 1/4" diameter with 265-degree rotation providing graduations for positive locking and control, and 1-1/2" linear travel capability. Control kit is imbedded in the ceiling flush with the finished surface. Control kit shall be manually operated using Young Regulator Model 030 wrench. Control kit shall be Young Regulator Model 270-301 or prior approved equal.