

SPECIFICATIONS for CABLE CONTROL SYSTEM KITS

THE YOUNG REGULATOR COMPANY

MODEL 270-301

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 of 2-5/8" diameter die cast aluminum housing with 3" diameter zinc plated [polished chrome 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 flatted 1/4" diameter with 265-degree rotation providing graduations for positive locking and control, and 1-1/2" linear travel capability. Control kit is designed to be 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.

MODEL 270-301EZ

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 of "L" shaped mounting bracket with 3" diameter zinc plated [polished chrome 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 flatted 1/4" diameter with 265-degree rotation providing graduations for positive locking and control, and 1-1/2" linear travel capability. Controller is secured to bracket that is fastened to ceiling stud or support beam above the ceiling. Access is provided through a 2 1/2" hole cut in the drywall ceiling that is concealed with the 3" cover plate and installed 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.

MODEL 270-302

Damper controller and cable shall be concealed behind the wall. 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 of 2-5/8" diameter die cast aluminum housing with 3" diameter zinc plated [polished chrome is optional cover, and 14 gauge steel rack and pinion gear drive converting rotary motion to push-pull motion. 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. Control kit is designed to be imbedded in the wall flush with the finished surface. Control kit shall be manually operated using Young Regulator Model 030 wrench. Control kit shall be Young Regulator Model 270-302 or prior approved equal.

MODEL 270-275 SIDE OF THE PLENUM

Damper controller and cable shall be fastened to the side of the supply plenum outside the airstream. Remove 1" long section of pattern deflector to allow access to damper operator. 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 be designed for use with internally or externally controlled round or rectangular dampers and shall consist of 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 flatted 1/4" diameter with 265-degree rotation providing 1-1/2" linear travel capability. Control kit mounting bracket can be field mounted on ceiling framework, behind grilles, on or inside plenum slot diffusers and other various types of diffusers. Control kit shall be manually operated using Young Regulator Model 030 wrench. Control kit shall be Young Regulator Model 270-275 or prior approved equal.

MODEL 270-896

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 of "C" bracket to fastened above the ceiling, 7/8" diameter cold rolled steel zinc plated threaded cap suitable for painting, 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 flatted 1/4" diameter with 265-degree rotation providing graduations for positive locking and control, and 1-1/2" linear travel capability. Control kit is designed to be 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 270-896 or prior approved equal.

MODEL 270-700

Damper Controller and cable shall be concealed behind the wall. 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. Controller to be mounted in 4-1/2" square non-flammable enclosure complete with control knob, support bracket, cover plate and external flanges for wall stud installation. Controller to 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. 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. Control kit is 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.