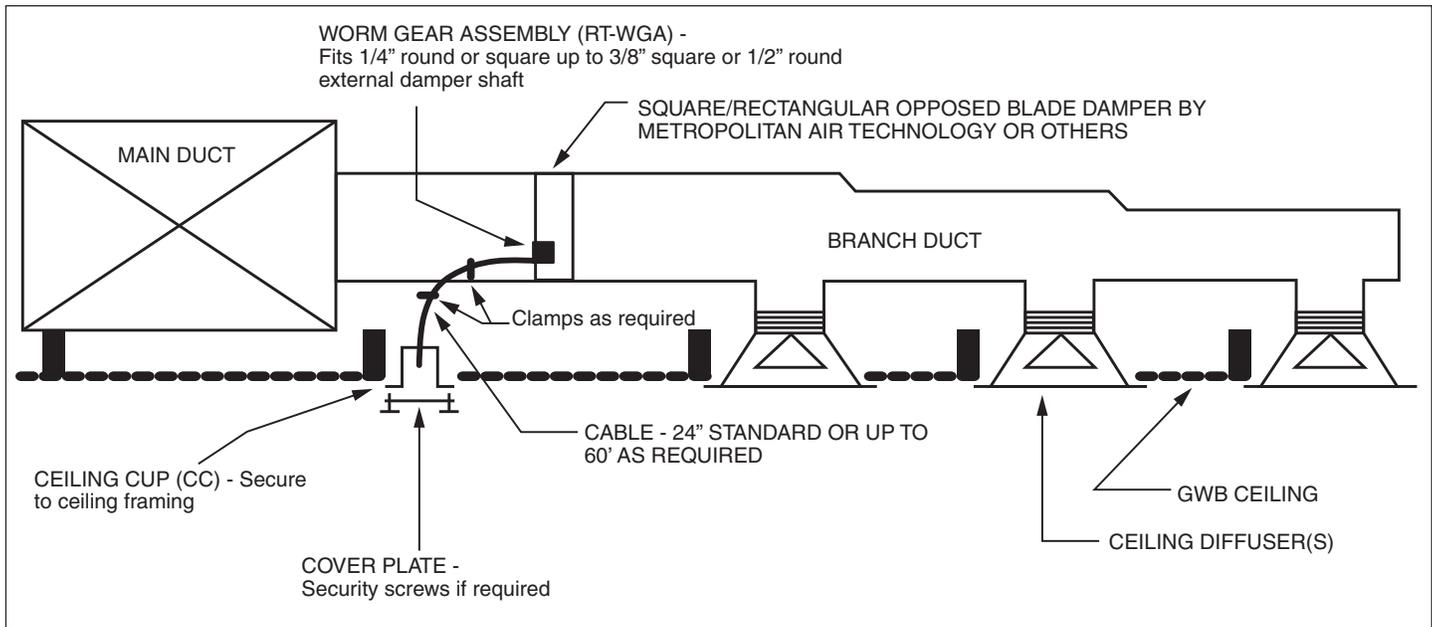


The RT-200 Remotely Operated Damper System Specifications



SK-200-1.3 NTS

Furnish cable operated remotely controlled volume dampers in branch ducts and branch take-offs located in inaccessible ceilings and where otherwise indicated. Damper frame construction shall be 1.6mm thick galvanized steel hat shaped channel design with corner braces. Linkage shall be concealed in the frame. Damper blades (opposed or parallel action) shall be 1.6mm thick galvanized steel single skin with 3 full-length longitudinal V grooves. Axles shall be 12.7mm dia. plated steel hex that rotate inside molded synthetic bearings. Bearings shall be supported inside extruded holes in the damper frame. For ducts less than 12" in height MAT model RT-200-SB (20 ga. single blade dampers) are acceptable. Damper control shaft shall be 3/8" (9.52mm) square shaft, minimum of 3" (75mm) long. Dampers shall be adjusted via a universal worm gear drive that is actuated by an unsheathed rotary cable which is captured at the damper end by a shaft coupling integral to the worm gear assembly. The rotary cable shall be terminated at the ceiling line or in a wall opening and concealed inside a ceiling/wall cup that is secured to the ceiling (or wall) framing. The cups shall provide a secure, unobtrusive appearance flush with the finished wall or ceiling. The universal damper drive shall be furnished as a complete assembly with universal mounting capabilities to accommodate damper shaft sizes from 1/4"-3/8" square (6mm-9.5mm), or 1/4"-1/2" (6mm-12.7mm) round. The drive unit construction shall consist of a 14 gage galvanized mounting bracket, an aluminum worm and gear, and a black oxide coated steel drive shaft/cable coupling. Cable support clamps shall be factory furnished as required by the cable length. Ceiling Cup, rotary cable, and worm gear drive shall be furnished as one piece for installation in the field with no linkage adjustment required or miscellaneous small parts. Direct, two-way damper control shall be provided without sleeves, springs, or screw adjustments (that may loosen after ceiling closure). Cable operated dampers shall be supplied with RT-WGA worm gear assembly and RT-CCR, RT-CCM, RT-CCS Ceiling Cups, or other MAT ceiling cups. Approved Manufacturer for remotely operated air balancing dampers: Metropolitan Air Technology

US Patent #5,702,298. Canadian Patent #2,185,311.