

### Fast Acting Two Position Actuators (Fire & Smoke)

Fire/smoke damper actuators shall be direct connected (no linkages) two-position spring return types with stroke for 90 degree nominal rotation applications and designed for 30,000 full stroke cycles and normal operation between 0 and 130 F. Actuators control shall be compatible with SPST control switch and with torque ratings of 30 lb-in (low torque) or 175 lb-in (high torque). Actuator timing shall be 15 seconds maximum in powered instances and shall spring-return in 15 seconds. Actuators shall be UL listed with UL873 plenum rating with die-cast aluminum housing with integral junction box and conduit knockouts, and designed to operate reliably in smoke control systems requiring UL555S ratings up to 350F. The actuator and internal switches, if any, shall be designed to operate for 30 minutes during a one-time excursion to 350F. Actuator shall require no special cycling during long-term holding, and shall "hold" with no audible noise at a power consumption of approximately half of the driving power. Actuators shall be 24 volt or 120 volt and be reversible to spring return in either clockwise or counter-clockwise directions. Actuator shall utilize a self-centering shaft adapter and be designed to mount to ½" to 1.06" round shafts and ½ to ¾" square shafts. The actuator shall be rated NEMA2 and IP54 when mounted on a horizontal shaft.