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MSxx04F 30 Lb-In. And MSxx09F 80 Lb-In. Fire And Smoke Damper Actuators

The MS4104, MS4109, MS4604, MS4609, MS8104 and MS8109 are spring return direct coupled actuators (DCA) for Fire and Smoke dampers.

Overview



The MS4104, MS4109, MS4604, MS4609, MS8104 and MS8109 Fast-Acting, Two-Position Actuators are spring return direct coupled actuators (DCA) for Fire and Smoke dampers (on/off control). The actuator accepts an on/off signal from a single-pole, single-throw (SPST) controller. Reversible mounting allows actuator to be used for either clockwise (cw) or counterclockwise (ccw) spring rotation.

Features & Benefits:

- 30 lb-in. (3.4 Nm) or 80 lb-in. (9 Nm) minimum driving torque at 350°F (176°C)
- Reversible mounting facilitates use in either clockwise (cw) or counterclockwise (ccw) spring rotation
- Integral spring return ensures level of return torque
- Fifteen-second spring return timing
- No special cycling required during long-term holding
- No audible noise during holding
- Patent pending design eliminates need for limit switches to reduce power consumption
- Ninety-five degree angle of rotation
- Actuator holds rated torque at reduced power level
- Die-cast aluminum housing
- Housing design allows flush mounting to damper
- Models available with SPST position-indicating switches (7°, 85° stroke).

Certifications:

- Designed to operate reliably in smoke control systems requiring Underwriter's Laboratories Inc UL555S ratings up to 350°F
- Non-UL marked models available

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☐	MS4604F1010/B	MS46 Actuator, Two Position, DCA, 230V AC, 3.4Nm	
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