Application

The HS-10 fire closure device employs a one-temperature, manually resettable, electric thermostat sensor to interrupt the electrical power to actuators used on fire/smoke dampers to permit the controlled closure of the dampers. The HS-10 is designed to replace the fusible link. The HS-10 permits testing of the damper closure by applying direct heat to the sensor's disc or by physically depressing the disc from the inside of the damper sleeve. The damper can be reopened by manually resetting the sensor from the exterior side of the damper sleeve, once the disc has cooled down below its set temperature.

Listings

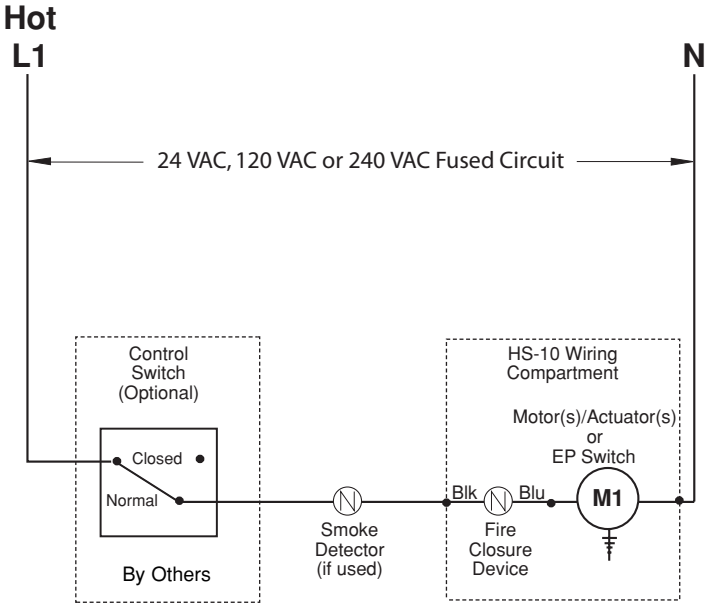
UL 555 listing: R14981

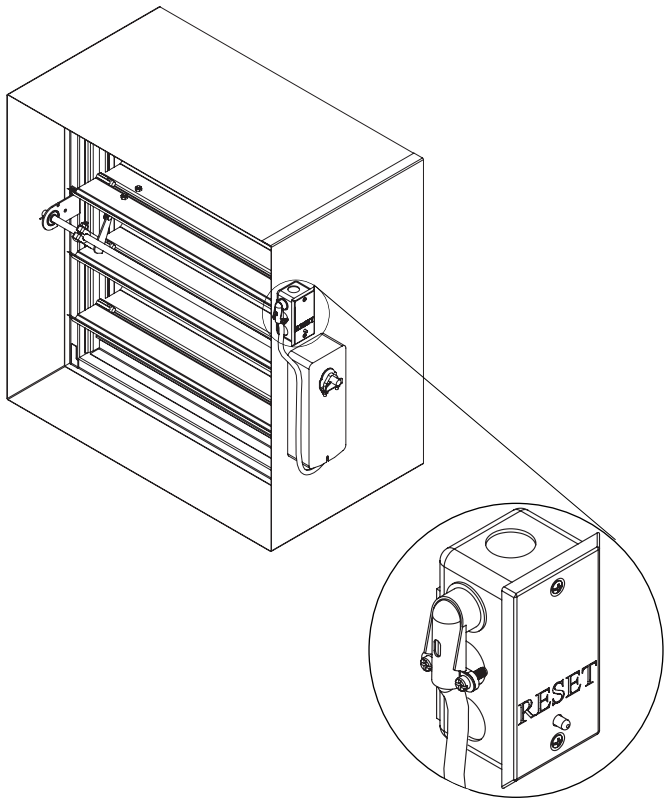
CSFM listing: 3225-1404:109, 3225-1404:105, 3225-1404:108, 3230-1404:111, 3230-1404:106, 3230-1404:107

Meets NFPA Standards: 90A, 92A, 92B and 101

Meets Building Code Standards: IBC, NBC, NFPA, SBC and UBC

Wiring Diagram





Model **HS-10** external

Control Switch Function

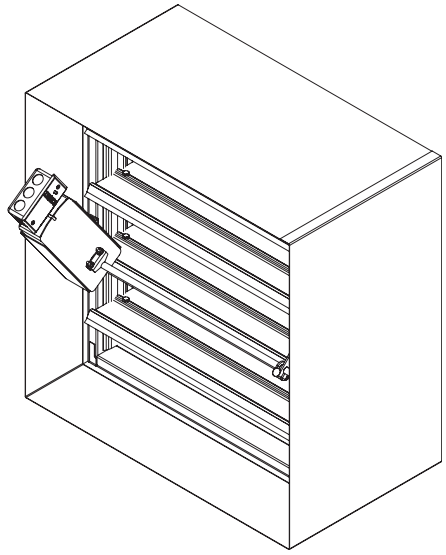
Normal

The damper remains open except in either of the following situations:

1 - The smoke detector cuts the power to the "Power-Open" motor/actuator.
2 - An elevated duct temperature causes the fire closure device to cut power to the "Power-Open" motor/operator. The damper will remain closed until the duct temperature has returned to a safe level. At that point the fire closure device can be manually reset, allowing the damper to be reopened.

Closed

The damper closes and remains closed regardless of any sensor signal.



Model **HS-10** internal

NOTE: Dimensions in parentheses ( ) are millimeters.