

Application

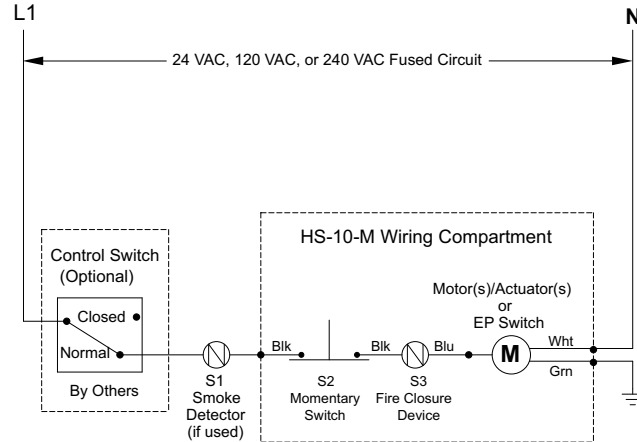
The HS-10-M is a control switch and a fire closure device. It employs a momentary push button switch that permits cyclic testing at the damper location under normal conditions. It features a one-temperature, manually resettable electric thermostat sensor which replaces the fusible link and permits the controlled closure of the fire/smoke damper by interrupting the electrical power at a given temperature. The damper will close when the power is removed and will automatically re-open once power is restored.

The HS-10M allows for damper testing per all NFPA specifications.

Wiring Diagram

Control Switch Function

Normal
Hot
L1



S1 - Smoke detector of fan interlock.

S2 - Momentary control switch.

S3 - Single temperature fire closure device.

HS-10-M Function

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.

Test

While under normal (Power-Open) conditions, the damper can be tested by pushing and holding the switch button down. Upon releasing the button the damper returns to its full-open position.

Listings

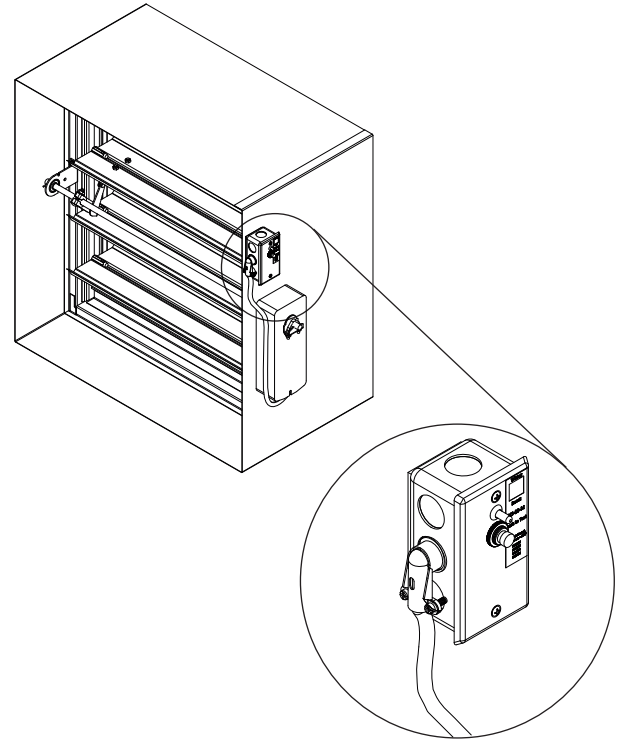
UL 555 listing: R11767

CSFM listing: 3225-0368:110, 3225-0368:111, 3225-0368:112, 3225-0368:113, 3225-0368:115, and 3225-0368:116.

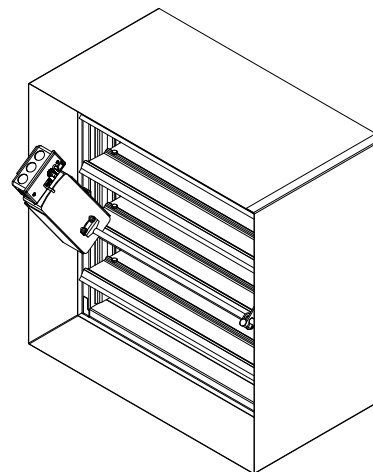
New York City MEA listing: 295-98-E

Meets NFPA Standards: 80, 90A, 92A, 92B, 101, and 105

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



Model HS-10-M external



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