

FIRE SMOKE DAMPER

MODEL TS

TEST SWITCH Open/Close

Application

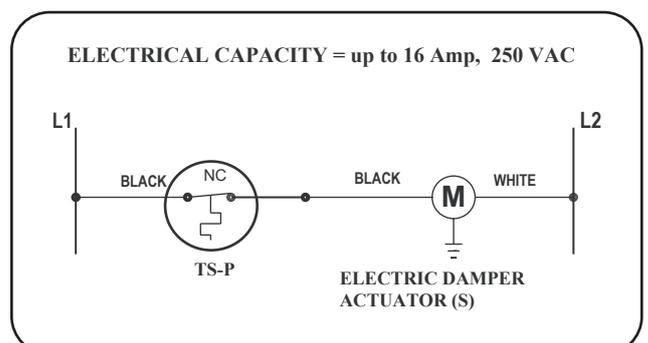
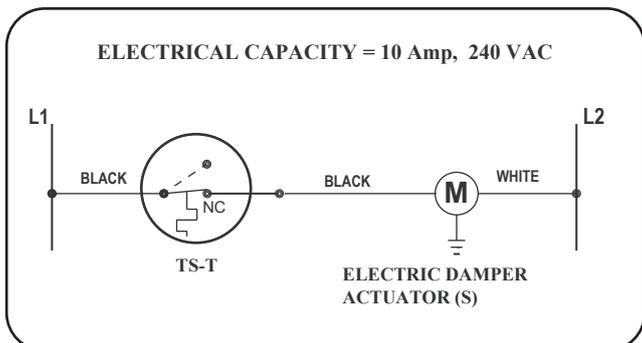
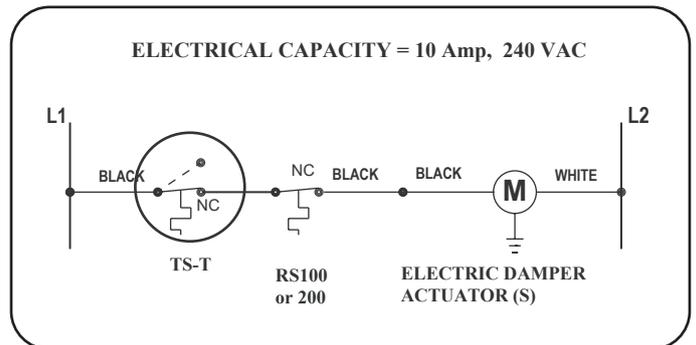
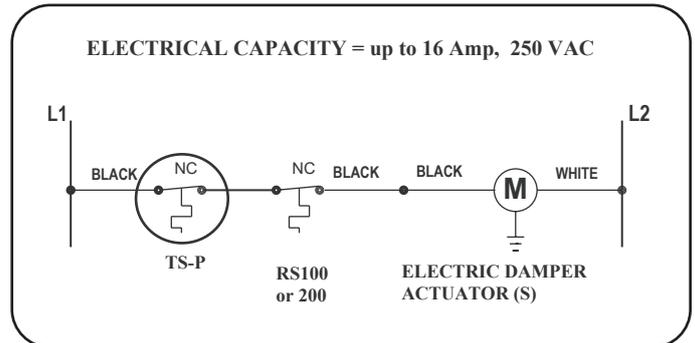
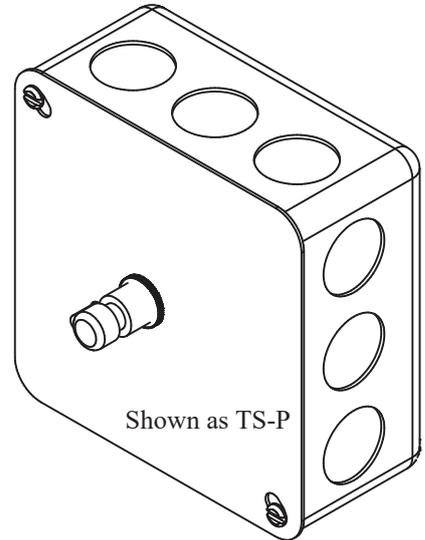
KBE momentary test switch enables easy maintenance and inspection of our dampers by allowing the dampers to be tested and cycled by one person right at the damper location by simply holding the test switch down. This eliminated the need for the help of another person in the control room.

Test switches are available as an option to KBE Model KFSD, KSD & KFD units. One test switch is required per closure device.

Test Switch are available with 2 options:

- With Puch button switch Model TS-P
- With Toggle Switch Model TS-T

Test switch are supplied mounted on the Damper and as optional could be provided with 1m of flexible connection to be installed near the damper on the wall (TS-P-W).



RATINGS

Push Button Test Switch: Single Pole.

Electrical Data: up to 16 Amps, 250 Volts AC
 Temperature Limit: Standard 250°F (121°C)

Toggle Switch: Toggle Switch - Double Pole.

Electrical Data: 10 Amps, 250 Volts AC
 Temperature Limit: Standard 250°F (121°C)

FIRE SMOKE DAMPER

MODEL TS

TEST SWITCH Open/Close

INSTALLATION INSTRUCTION

INSTALLATION AT SITE

KBE momentary test switch are used in dynamic smoke management systems containing Combination Fire Smoke KFSD series, Smoke KSD series, or Fire Dampers KFD series.

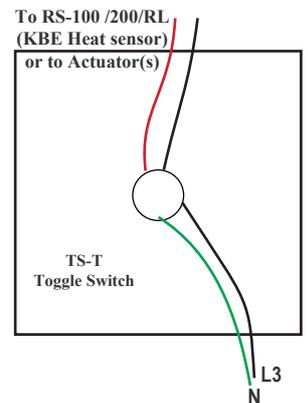
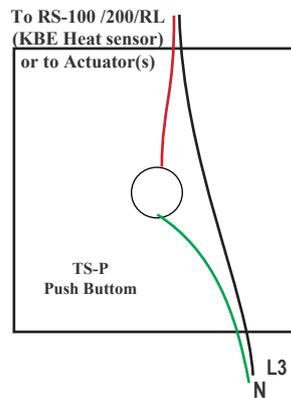
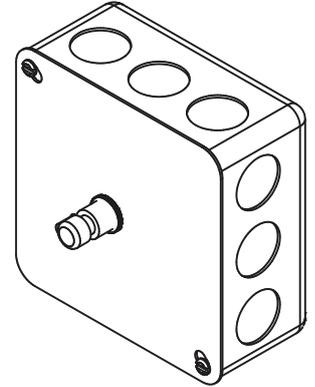
The TS is usually factory mounted and wired. In case TS is required to be installed at site, the installer need to identify the type of Damper & follow the below instruction:

- a) For KFSD & KFD series with equipped with RS-100, RS-200 or RL, one test switch TS is required per closure device. TS can be order as mounted on the Wall or on the sleeve.
- i) If ordered as TS-W to be mounted on the wall connect the RS/RL output wire to the provide wire of the TS and fix the Box to the wall.
- ii) If ordered to be fixed on the Damper sleeve, locate the TS as near as possible to the RS/RL and fix the box to the sleeve with sheet metal screw, use flexible conduit to pass and connect the extended wire provided on the RS/RL directly to the TS from one side and from the other side of the TS make proper connection to system power.

- b) For Smoke Damper KSD & Fire smoke damper KFSD & KFD series equipped with Fusible link, one test switch TS is required per Damper. TS to be mounted on the sleeve or wall, drive all the actuator(s) Wires to the TS assemble the actuator(s) Wire under (L) & (N) series connect it to the TS from one side and from the other side of the TS make proper connection to system power.

When finish all Electric connections, power the actuator(s) and wait till the dampers blades open than push and held in place the push button or switch off the Toggle Switch to cut power on the actuator(s), check damper closure. When the button is released(toggle switch place on ON) power flows back to the actuator(s) and opens the damper(s).

Shown as TS-P



Electrical Guidelines

All wiring shall be done in accordance with the National Electrical Code ANSI/NFPA-70 latest edition, any local codes that may apply, and wiring diagrams developed in compliance with the job or project design and specifications.

SAFETY DANGER!
Electrical input may be needed for this equipment. This work should be performed by a qualified electrician.

SAFETY CAUTION !
Verify power before wiring actuator. KBE is not responsible for any damage to, or failure of the unit caused by incorrect field wiring.

SAFETY DANGER !:
To avoid causing death or serious bodily harm to building occupants, follow all instructions carefully. Dampers must close completely to preserve the integrity of the fire smoke separation.



INSTALLATION INSTRUCTIONS
 IN CONFORMANCE TO
 UNDERWRITERS LABORATORIES
 REQUIREMENTS