GREYSTONE
ACCURACY BY DESIGN

DES-100/DES-101
DAMPER END SWITCH

The damper position switch is a mechanically activated electrical switch which provides accurate and reliable indication of damper blade position. Unlike standard limit switches which only indicate damper drive linkage position, the position switch mounts directly on the main damper drive axle or on an auxiliary axle off an indirectly driven blade. This assures true damper blade position indication.

DESIGN FEATURES

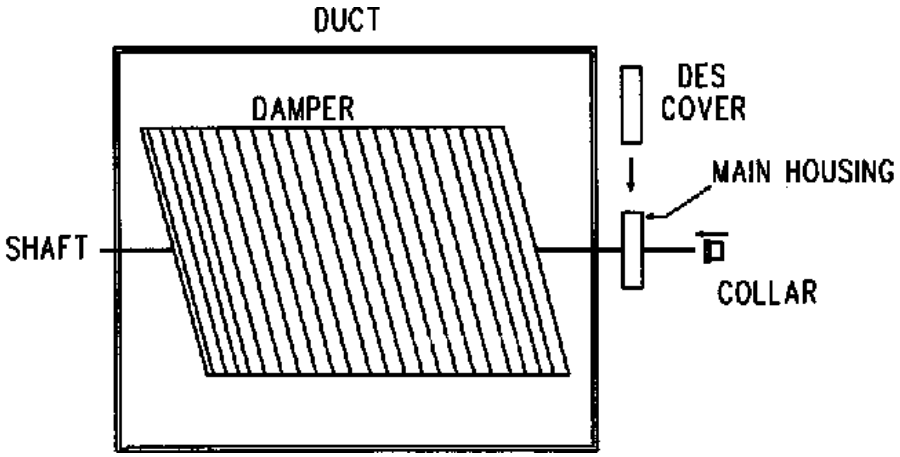
- Adjustable axle mounted collar provides for easy set-up and adjustment, minimizing costs.
- Electrical enclosure has 1/2" knockout for quick and easy installation.
- Switches can be user set for either NC or NO operation (form A or B).
- DES-100 provides dual switches to indicate both fully open and fully closed position.
- DES-101 provides a double-pole operation for indication and control.
- Switch rating of 4 Amps at 125 Vac.

INSTALLATION PROCEDURE

The DES devices are mounted directly on the main damper drive axle or on an auxilary axle as shown below. The main housing of the DES is attached to the duct such that the end of the damper shaft is positioned through the plastic bushing. With the damper in the fully opened position, rotate the adjustable plastic collar until properly aligned and tighten the set screw. Check operation of the DES by moving the damper from the open to closed position and re-align if the switch action is not correct. To reverse switch action in any position simply unplug the wire on the switch and re-install it on the other terminal following the labels on the switch body.

The DES-100 provides two output signals to indicate fully open and fully closed position. The common point and both switch contacts are wired to an internal terminal block.

The DES-101 provides two output signals that act as a double-pole switch. This device can be used to indicate a fully open damper and at the same time turn on a fan. Both switch contacts are wired to individual terminal block inside the DES-101 enclosure.



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