

Application

The RRL/OCI option performs the function of resettable link and also open or close blade indicator. The RRL/OCI replaces the fusible link on a combination fire smoke damper with an electric sensor (thermostat). The sensor has a fixed temperature setting (165°F, 212°F, 250°F or 350°F [74°C, 100°C, 121°C, 177°C]) and performs the same function as the fusible link that it replaces. The sensor interrupts power to the actuator and the actuator's spring return mechanism causes the damper to close. The sensor can be reset after the temperature has cooled down below the sensor set point.

Before resetting any sensor, a careful inspection of the damper and sensor should be made as exposure to actual fire conditions may render these devices unusable.

Second, the OCI assembly contains a single pole, double throw switch used to indicate damper blade position. The switch provides a positive open or closed signal when used in conjunction with remote indicator lights (furnished by others). OCI assemblies are used in active smoke control applications to positively indicate the status of all smoke and combination fire smoke dampers in the building. This single pole/single throw switch assembly may also be used to provide a start/stop control circuit for remote fan installations.

To meet UL requirements, factory installation of the damper actuator and factory wiring of the electric sensor is required. If the damper is equipped with a pneumatic actuator, an EP switch is required with an appropriate electric power circuit, to allow the electric thermostat to control the pneumatic actuator.

