RRL/OCI

Resettable Link Option with Blade Indicator for Combination Fire Smoke Dampers

Application

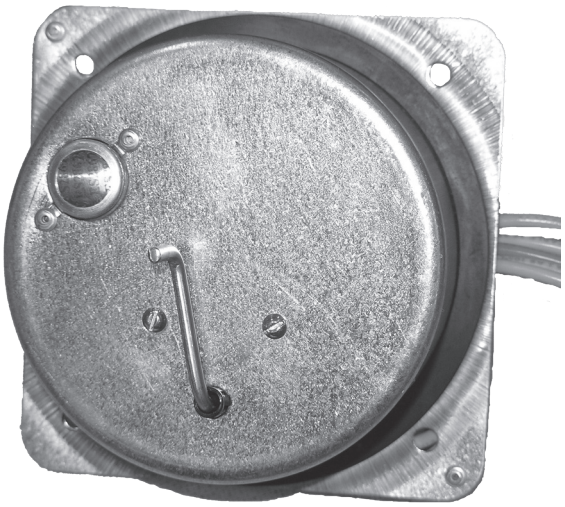
The RRL/OCI is a closure and position indication device for combination fire smoke dampers. It combines the functionality of a resettable, reusable link (RRL) with an open or close blade indicator (OCI).

The RRL device includes an electric sensor (thermostat) with a fixed temperature the specified temperature is reached, the sensor interrupts power to the actuator which causes the internal spring return mechanism to close the damper. The RRL can be reset after the temperature has cooled down below the sensor set point. The following temperature setting options are available for the RRL: 165°F (74°C), 212°F (100°C), 250°F (121°C) or 350°F (177°C).

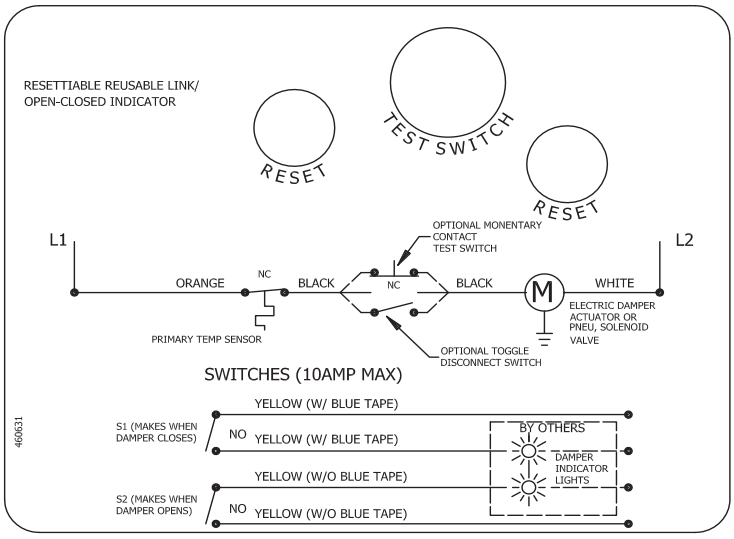
Note that available temperature setting options are dependent on damper ratings. Before resetting any sensor, a careful inspection of the damper and sensor should be made as exposure to actual fire conditions may render these devices unusable.

The OCI assembly contains two single pole, single throw switches that are used to indicate damper blade position. One switch provides a positive signal when the damper blades are in the open position, while the other switch provides a positive signal when the damper is closed. These switches can be used in conjunction with remote indicator lights or a building automation system (furnished by others) to monitor damper blade position from a remote location. The OCI is commonly used in active smoke control applications to positively indicate the status of all smoke and combination fire smoke dampers in a building. The single pole, single throw switch assembly may also be used to provide a start/stop control circuit for remote fan installations.

Note that in order to meet UL requirements, factory installation of the damper actuator and factory wiring of the electric sensor is required.



Temperature	Assembly Number	Field Kit Number
165°F (74°C)	820733	852291
212°F (100°C)	821277	-
250°F (121°C)	824673	-
350°F (177°C)	824674	852468



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