



ELEVATOR SHAFT VENT CONTROL DETAILS

NO SCALE

SEQUENCE OF OPERATION

NORMAL CONDITION WITH DAMPER CLOSED:
KEY SWITCH IS TURNED TO "CLOSED" POSITION, CONTACTS ARE OPEN. LOBBY SMOKE DETECTORS ARE NOT IN ALARM. CONTROL MODULE CONTACTS AT DAMPER ARE OPEN, DAMPER MOTOR IS DE-ENERGIZED AND DAMPER IS CLOSED. DAMPER END SWITCH IS OPEN. CONTACTS IN CONTROL MODULE AT SWITCH ARE OPEN, INDICATOR LAMP AT SWITCH IS OFF.

DAMPER OPEN CONDITION:
DAMPER WILL OPEN UNDER ONE OF TWO CONDITIONS: 1) ANY LOBBY SMOKE DETECTOR GOES INTO ALARM; OR 2) KEY SWITCH IS TURNED TO "OPEN" POSITION. WHEN KEY SWITCH IS TURNED TO "OPEN" POSITION, KEY CAN NOT BE REMOVED. CONTACTS ON SWITCH CLOSE, MONITOR MODULE INPUT BECOMES TRUE. FIRE PANEL PROGRAMMING ACTIVATES CONTROL MODULE AT DAMPER UNDER EITHER CONDITION. ACTIVATION OF MODULE CLOSES THE CONTACTS, ENERGIZING THE DAMPER MOTOR. MOTOR OPENS DAMPER AND ACTIVATES THE END SWITCH, CLOSING ITS CONTACTS. THE INPUT TO MONITOR MODULE AT THE DAMPER BECOMES TRUE, AND THE FIRE PANEL PROGRAMMING ACTIVATES THE CONTROL MODULE AT THE SWITCH. THE CONTACTS AT THIS CONTROL MODULE CLOSE, ENERGIZING THE INDICATOR, SIGNALING THAT THE DAMPER IS OPEN. KEY SWITCH CAN NOT OVERRIDE DAMPER CLOSED IF ANY LOBBY DETECTOR IS IN ALARM.

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INDICATOR LIGHT & SWITCH ASSEMBLY MOUNTS IN DOUBLE GANG 2½" DEEP FLUSH BOX OR WIREMOLD EXTRA DEEP BOX.

LOCATE PILOT LIGHT & SWITCH ASSEMBLY ADJACENT TO FIRE ALARM ANNUNCIATOR PANEL AT THE FIRE ATTACK ENTRANCE.

