

DSI MOTOR CONTROL CIRCUIT (MCC)

Smoke and Fire Curtain Electronics

Compatibility

All existing C and D series systems which include the Motor Control Circuit (MCC) in a remote enclosure. Up to 5 MCC's can be connected to each Group Control Panel (GCP).

Installation

The MCC should be mounted on the head box above the relevant motor position. In cases where the MCC needs to be mounted remotely, the motor cable must be protected. Where distances may exceed 5 feet, contact Door Systems for guidance.

Operation

For large curtains with a longer ascent time, the link RL1 can be removed to increase the time where the MCC drives the motor. With the link in, the timer drivers for 45 seconds, and with the link out, this increases to 90 seconds. The green LED on the PCB illuminates to show when the motor is driving at full power. When the curtain has fully retracted, the MCC "stalls" the motor and the "fold back" voltage of 3.5v holds the curtain up.



Specifications

Type	Description
Dimensions	6-1/2" H x 9-1/2" W x 2" D
Finish	White powder coated mild steel



GUARANTEED QUALITY

Door Systems guarantee high quality products, tested to both UL and BS standards.



The SMOKE & FIRE CONTAINMENT People

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OPERATION IN CASE OF FIRE OR LOSS OF POWER

1. Electrician to supply and run 3- solid 14 gauge color coated wires (14-3) for low voltage loop.
2. Electrician to supply and mount 2- double gang “J” boxes at each smoke curtain and at GCP.
3. “J” boxes must be clearly labeled “in” for incoming from GCP and “out” fore wire going out to the next smoke curtain or back to GCP.
4. See MCC electrical requirements for further details on the location of “J” boxes.
5. The maximum allowable length of the entire 24 volt loop from GCP to all mcc’s and back is 250 feet.
6. Allow at least 6 feet of extra wire inside each “J” box in order for door systems to make final connections. There shall be no splices in wire loop.
7. “In” and “out” wire must be run in separated conduit.
8. All “J” boxes must be clearly labeled.

