

# DSI CONTROL OPTIONS

The Group Control Panel (GCP) provides power to the Motor Control Circuit (MCC) units when the fire alarm status is normal (closed). If the fire alarm is activated, the MCC units are powered down, allowing the curtains to deploy via gravity to their operational fire position. When the alarm is reinstated, the MCC's are powered up retracting the curtains. If there is a main power failure, the back-up batteries provide power to the MCC's for up to 4-hours (subject to load) and prevent deployment until discharged, unless overridden by an alarm signal. Delayed descent and delayed reset functions are fitted as standard.

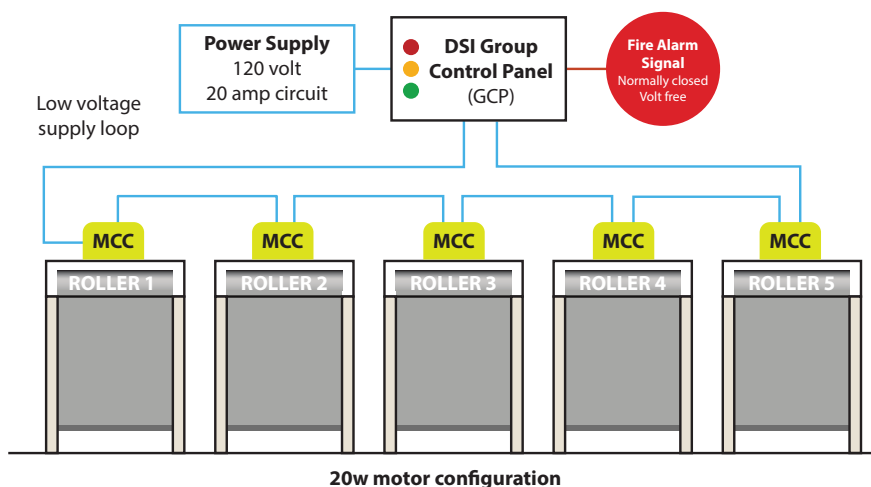
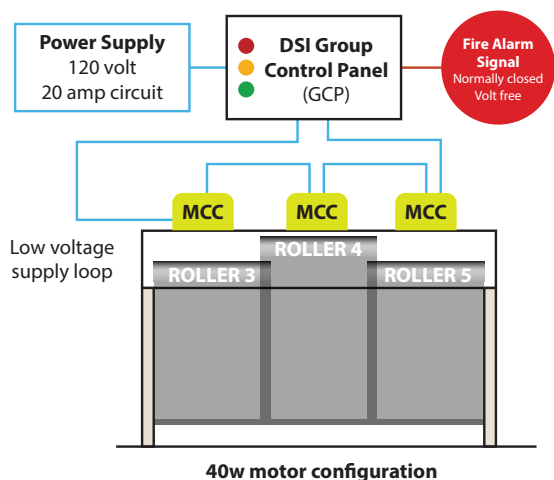


## FEATURES

- **Integral Battery Backup:** Up to 4-hour power supplied by two 7Ah rechargeable, sealed, lead acid cells
- **Testing:** Key switch control on panel
- **Status Indication:** LED series on panel:  
Green=main power healthy, Red=fire status,  
Bottom Green=battery failure
- **Compatibility:** The GCP runs up to 5 MCC units (5 - 20w motors) or 3 MCC units (3 - 40w motors) from the 24v ring output. Delayed decent is fitted as standard and is adjustable to suit project requirements
- **Egress** push buttons may require emergency power
- **Options:** Optional modules for two-stage descent, and BMS relays are available as an upgrade

### Group Control Panel Specifications

Type	Description
<b>Dimensions</b>	15-1/2" H x 13-1/2" W x 4" D
<b>Finish</b>	White powder coated mild steel
<b>Power supply</b>	120-130v 60Hz AC
<b>Fire signal</b>	Open on fire, normally closed volt free contacts



# 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
<b>Dimensions</b>	6-1/2" H x 9-1/2" W x 2" D
<b>Finish</b>	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