

DATA SHEET MK5

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EPIC:	D25
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MK5

PRODUCT DESCRIPTION

The Coopers MK5 is a control system option for a single Smoke/Fire Curtain.

The MK5 system uses Smoke / Fire Curtains with 24Vdc permanent magnet electrical motor fitted with an internal 24Vdc electromagnetic brake, as standard. When the Smoke / Fire curtain(s) are fully retracted, the internal electromagnetic brake is powered, keeping the Smoke / Fire curtain in its retracted position. Power to the motor is completely isolated, prolonging the life of the motor and maintaining manufacturers supply warranty.

The motor includes built in short circuit and open circuit protection, meaning the curtain will deploy under total controlled gravity failsafe at a descent rate compliant with BS EN 12101 and BS8524 even if the motor wires are severed, i.e. shorted together or disconnected from the MK5.

OPERATION

In the event of an alarm activation the electromagnetic brake will de-energise and the Smoke / Fire curtain will immediately deploy to it's Fire Operational Position (FOP).

If there is a mains power failure the Smoke / Fire curtain will be held in the retracted position for 30 minutes under Battery Backup (BBU) before deploying to its Fire Operational Position (FOP). If an alarm activation is received during a mains power failure, the curtain will immediately deploy to its Fire Operational Position (FOP). The Smoke/Fire curtain will descend under total & controlled GFS (Gravity Failsafe).

FEATURES

- All wiring & terminations 'plug and play'
- Programmable Split Drop Delay
- Programmable Dual Drop
- Programmable Timed Emergency Retract
- Firemans Override

- BMS Outputs for true curtain status
- Fault/Event log
- Enabled for Voice Warning
- Enabled for Obstruction Warning
- Enabled for Light Warning
- Enabled for Bump Stop

APPROVALS

Power Input:
230Vac 50Hz

Power Rating (Maximum)
50 Watts

Weight:
4.5kg

Power Consumption (Normal):
6 Watts

Alarm Input:
Normally closed volt-free contact.
Open on activation.

Motor:
24Vdc tubular motor with internal electromagnetic brake.

Dimensions:
350mm x 150mm x 115mm
(length x width x height).

Connection Cover Dimensions:
283.5mm x 130mm x 115mm
(length x width x height).

Fuses:
1A Power fuse.
1A Accessory fuse.
5A Battery fuse.
200mA Control fuse.

Location:
Indoor use only.

Operating Temperature:
0°C (min) to 50°C (max).



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Coopers Fire Ltd has a policy of continuous product improvement. As such we reserve the right to change design and specifications without prior notice.

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