

# DATASHEET – MK4

PRODUCT CODE:	30102
UNICLASS:	L4231
EPIC:	D25
VERSION:	Issue F - May 2020



# MK4

## PRODUCT DESCRIPTION

The Coopers MK4 is a control system option for a single Smoke/Fire Curtain.

The MK4 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 BS 8524 even if the motor wires are severed, i.e. shorted together or disconnected from the MK4.

## OPERATION

In the event of an alarm activation the electromagnetic brake will de-energise and the Smoke/Fire curtain will immediately deploy to its 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'
- Split Drop Delay enabled
- Programmable Timed Emergency Retract
- BMS Outputs for true curtain status
- Fault/Event log
- Enabled for Voice Warning
- Enabled for Light Warning
- Enabled for Bump Stop



## SPECIFICATION

**Power Rating (Maximum)**  
50 Watts

**Weight**  
4kg

**Power Consumption (Normal)**  
6 Watts

**Finish:**  
Painted RAL 9010 (White)

**Dimensions (mm):**  
Mono PSU - 200(h) x 340(w) x 70(d)  
*(100mm clearance required top and bottom of the PSU for Plug and Play connections).*

Mono Control – 85(h) x 145(w) x 35(d)  
*(35mm minimum depth required for surface or recessed box).*

**Fuses:**  
ACCESSORY  
T1A

BATTERY  
T3.15A

MONO CONTROL PANEL  
T100mA

**Temperature Range:**  
0°C to +50°C

**Location:**  
Internal

Coopers Fire Ltd  
Ignis House,  
Houghton Avenue,  
Waterlooville, Hampshire  
PO7 3DU.  
United Kingdom

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

**Phone:** +44 (0)2392 454 405  
**Email:** info@coopersfire.com  
**Web:** www.coopersfire.com

Please check our website for the latest information