

DATASHEET MK4-S

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MK4-S

PRODUCT DESCRIPTION

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

The MK4-S 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 MK4-S.

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).

The Coopers MK4-S is intended for applications such as food serving areas, reception counters or moderate size curtains where means of escape is not required.

The ViiFire MK4-S includes the Battery Back-Up facility. The Battery Back-Up facility is provided by two 1.2Ah 12V batteries which are constantly charged by the ViiFire MK4-S. The ViiFire MK4-S is capable of integrating local Smoke/Heat Detectors (supplied by Coopers Fire Ltd).

SPECIFICATION

Power Input:
230Vac 50Hz dedicated unswitched socket

Power Rating (Maximum): 50 Watts
Weight 4kg

Alarm Input:
Normally closed contact from fire alarm. Open on alarm activation. Or local Smoke/Heat Detector(s)

Outputs:
Motor (C/11W/F only)

Material:
Mild Steel

Body Colour:
Painted RAL 9010

Dimensions (mm):
340(w) x 200(h) x 80(d)

(100mm additional clearance required below for connections and operation)

Temperature Range:
0°C to 50°C

Location:
Internal



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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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