DATA SHEET – HORIZONTAL – CONTROLS GROUPED (HZ-CG)

PRODUCT CODE(S):	35023
UNICLASS:	L4231
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VERSION:	Issue L – March 2022

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EST. 1983

PRODUCT DESCRIPTION

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

OPERATION

In the event of an alarm signal the curtain will close immediately to the Fire Operational Position (FOP).
If there is a mains power failure the curtain will remain in the open position for approximately 30 minutes as standard, (but can be increased if required) before closing to the Fire Operational Position (FOP). If an alarm signal is received during a mains power failure, the curtain will close immediately to the Fire Operational Position (FOP).

The HZ-CG includes the battery back-up facility.
The Battery Back-Up facility is provided by two 12Ah 12V batteries which are constantly charged by the HZ-CG.

The HZ-CG includes the integrated Zone Control Panel (ZCP).

SPECIFICATION

Power Input:
220-240Vac 50H/60z dedicated supply

Power Rating (Maximum):
ERU-CG SIMPLEX   300 Watts
ERU-CG DUPLEX   450 Watts

Power Rating (Nominal):
ERU-CG SIMPLEX   30 Watts
ERU-CG DUPLEX   40 Watts

Alarm Input:
Normally closed contact from fire alarm.
Open on alarm activation.

Outputs:
24V DC to the Motor

Material:
Mild Steel

Finish:
RAL 7035 (Light Grey)

Dimensions (mm):

Simplex
500(h) x 400(w) x 210(d)

Duplex
600(h) x 600(w) x 210(d)

Weight:

Simplex
15.2kg
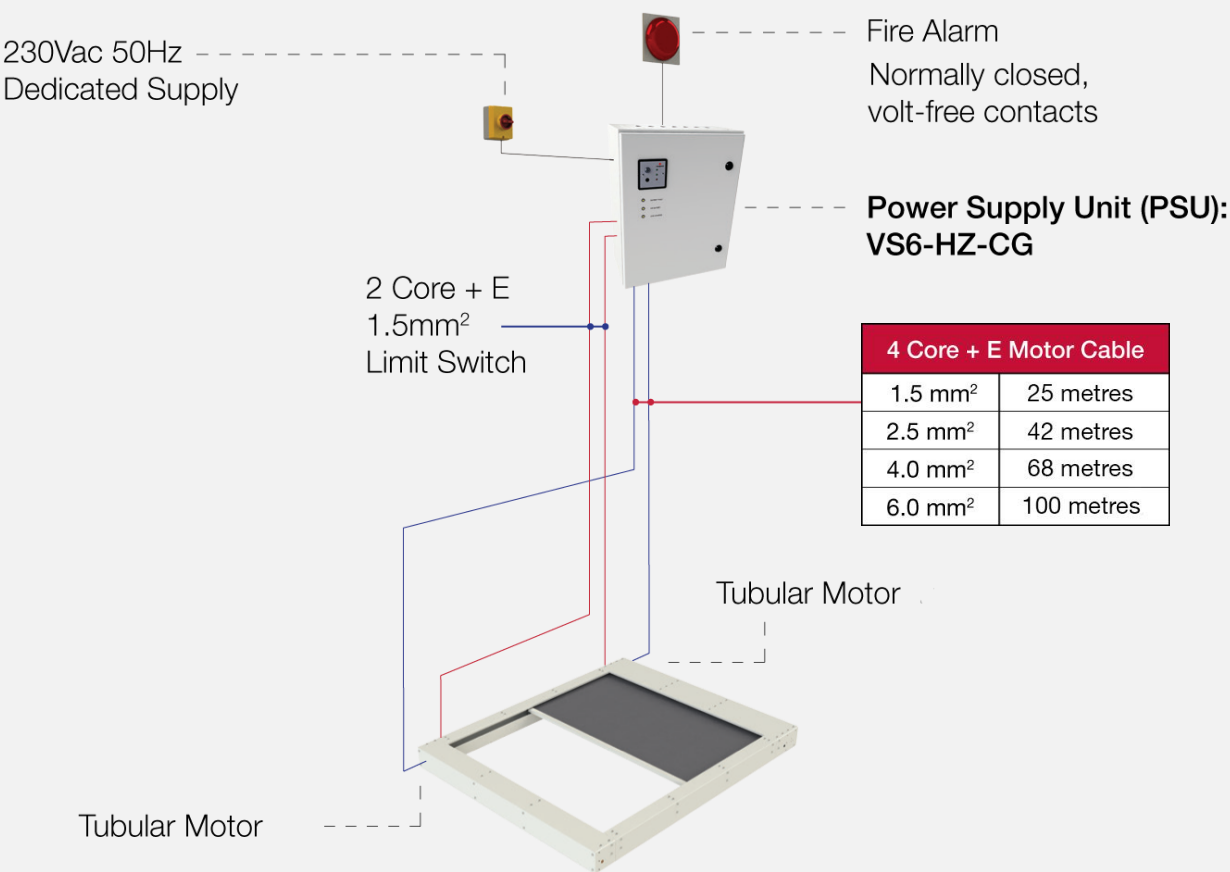
Duplex
25.1kg

IP Rating:
IP55

Temperature Range:
0°C to +50°C

Location:
Internal

VARIOSPEED®6 CONTROLS GROUPED (CG) –
TYPICAL WIRING LAYOUT FOR
SIMPLEX™ (SINGLE BARRIER ASSEMBLY)

230Vac 50Hz
Dedicated Supply

Fire Alarm
Normally closed,
volt-free contacts

Power Supply Unit (PSU):
VS6-HZ-CG

2 Core + E
1.5mm²
Limit Switch

4 Core + E Motor Cable	
1.5 mm²	25 metres
2.5 mm²	42 metres
4.0 mm²	68 metres
6.0 mm²	100 metres

Tubular Motor

Tubular Motor

FIELD WIRING MINIMUM FP200 RATING

VARIOSPEED®6 CONTROLS GROUPED (CG) –
TYPICAL WIRING LAYOUT FOR
DUPLEX™ (DOUBLE CURTAIN ASSEMBLY)

230Vac 50Hz
Dedicated Supply

Fire Alarm
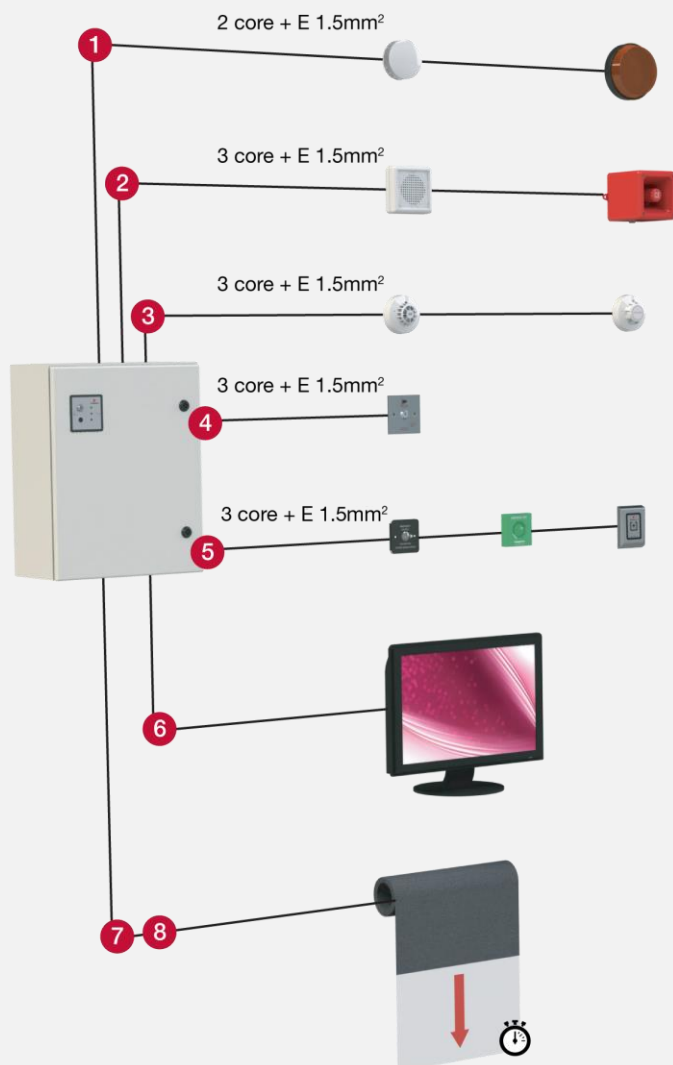Normally closed,
volt-free contacts

Power Supply Unit (PSU):
VS6-HZ-CG

2 Core + E
1.5mm²
Limit Switch

4 Core + E Motor Cable	
1.5 mm²	25 metres
2.5 mm²	42 metres
4.0 mm²	68 metres
6.0 mm²	100 metres

Tubular Motor x 2

Tubular Motor x 2
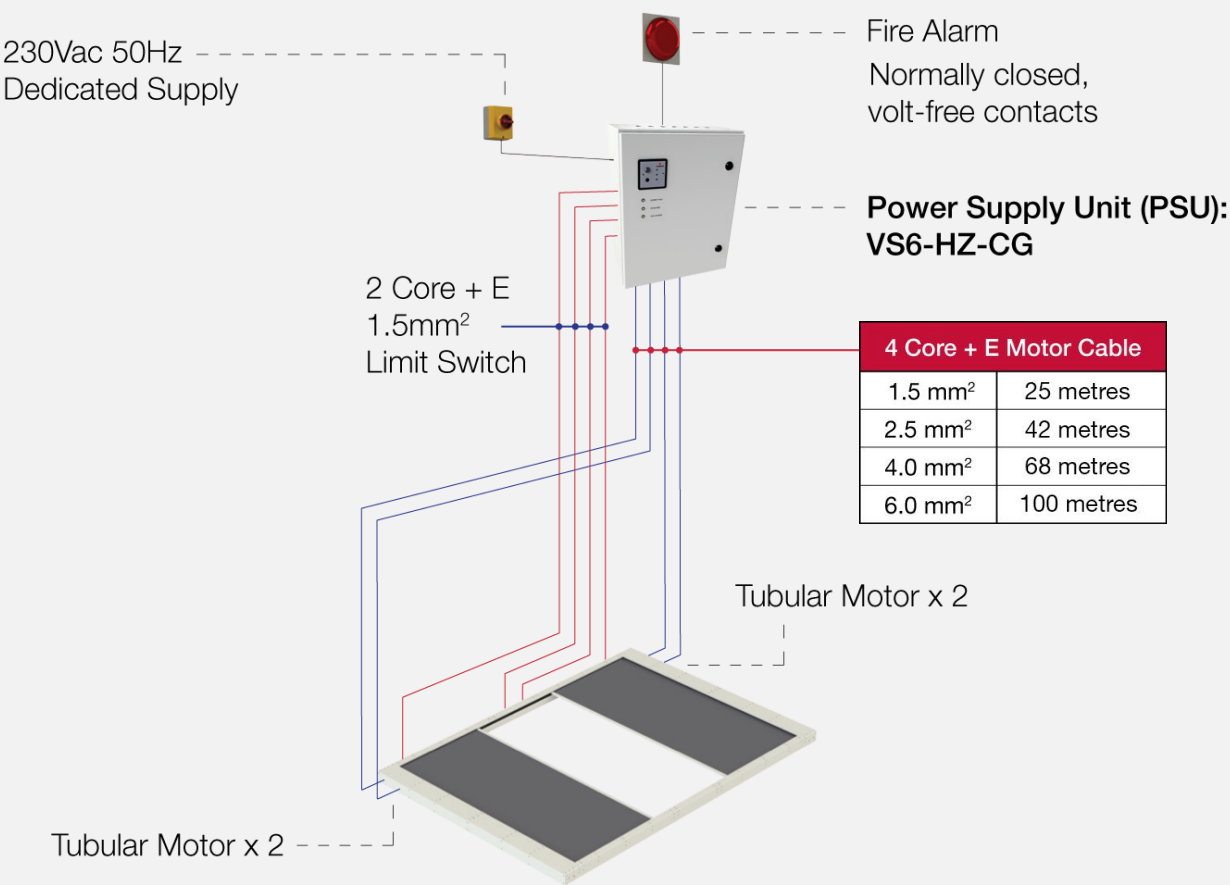
FIELD WIRING MINIMUM FP200 RATING

CONTROLS – OPTIONAL EXTRAS MATRIX

See the table below for use of optional extras available.

Optional Extras		Control Panel Type	
		ERU / MONO	BBU
1	Light Warning Unit	✓	✓
2	Voice Warning Unit	✓	✓
3	Heat Detector / Smoke Detector	✓	✗
4	Test / Reset Switch	✓	✓
5	Emergency Retract Push Buttons	✓	✗
6	Building Management System (BMS) Interface	✓	✓
7	Adjustable Split Drop and Half Drop Enabled	✓	✗
8	Safety Edge / Bump Stop	✓	✗

Datasheet Optional Extras Reference
Visit Coopers Fire website at **www.cooopersfire.com**