

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

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UNICLASS: L4231

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# HORIZONTAL – CONTROLS GROUPED (HZ-CG)

## 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:

230Vac 50Hz 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:

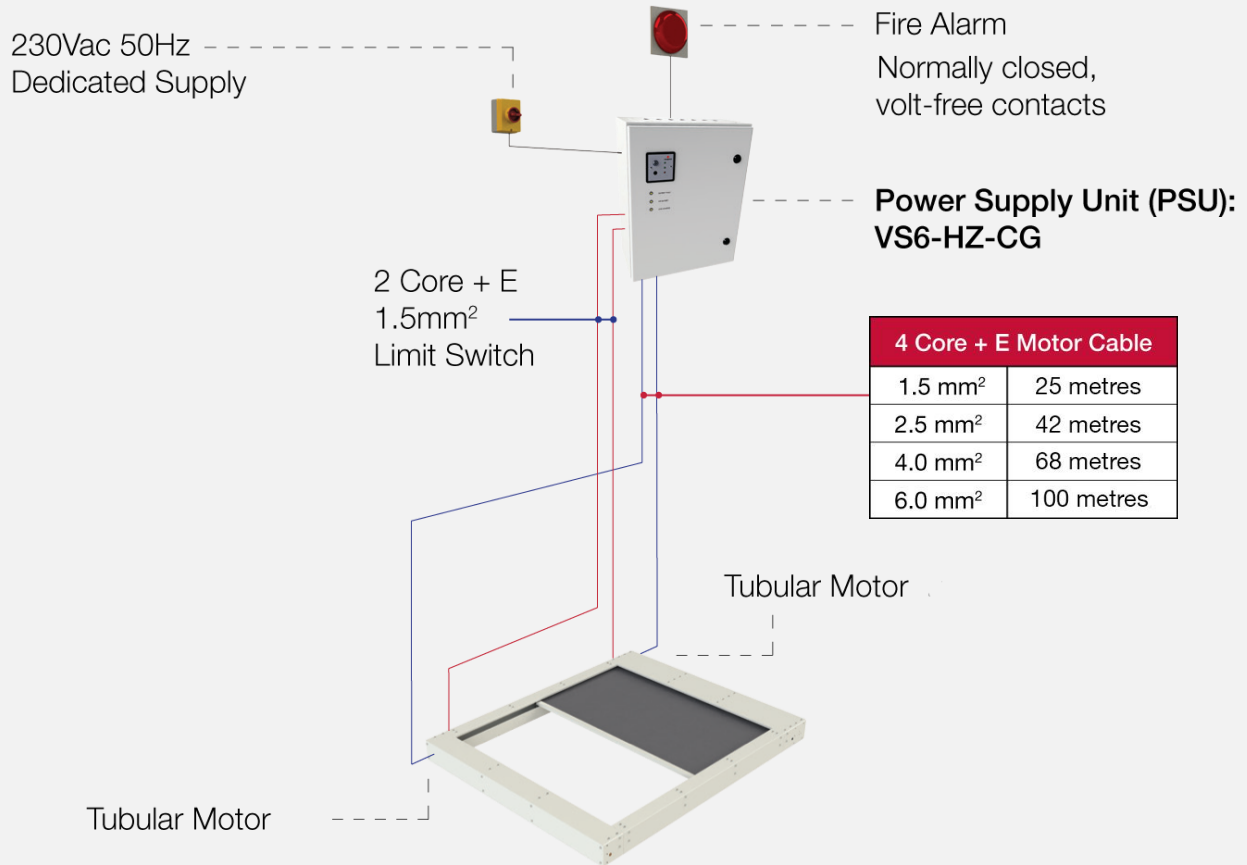
0°C to +50°C

### Location:

Internal

# HORIZONTAL – CONTROLS GROUPED (HZ-CG)

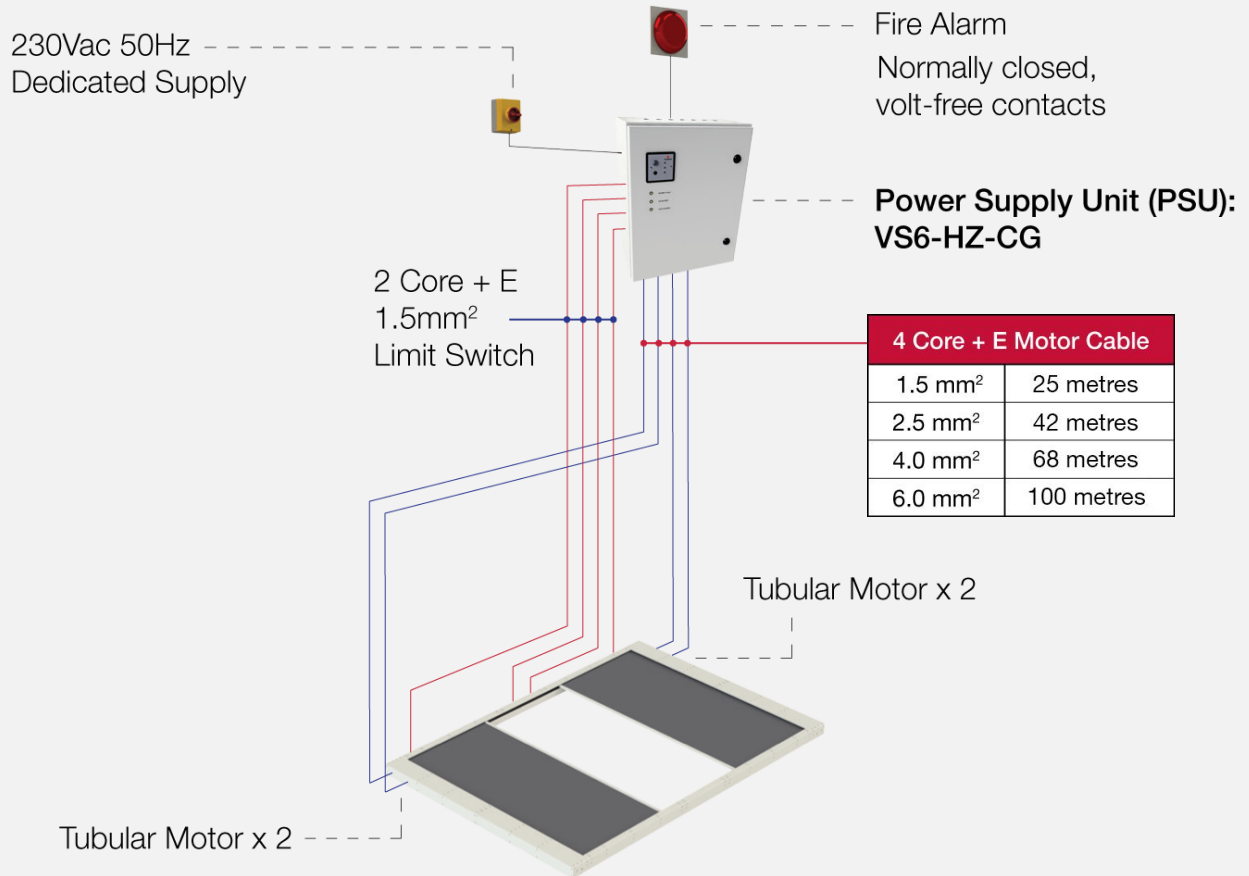
VARIOSPEED®6 CONTROLS GROUPED (CG) –  
TYPICAL WIRING LAYOUT FOR  
SIMPLEX™ (SINGLE BARRIER ASSEMBLY)



FIELD WIRING MINIMUM FP200 RATING

# HORIZONTAL – CONTROLS GROUPED (HZ-CG)

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

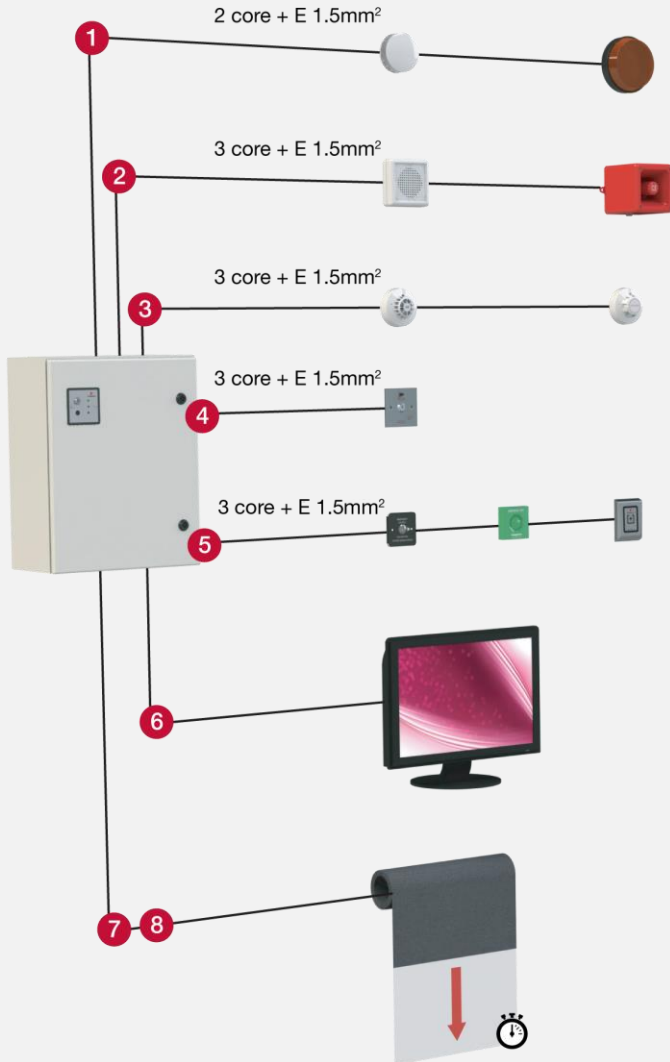


FIELD WIRING MINIMUM FP200 RATING

# HORIZONTAL – CONTROLS GROUPED (HZ-CG)

## 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.coopersfire.com](http://www.coopersfire.com)



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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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