Concerto Acoustic Banner

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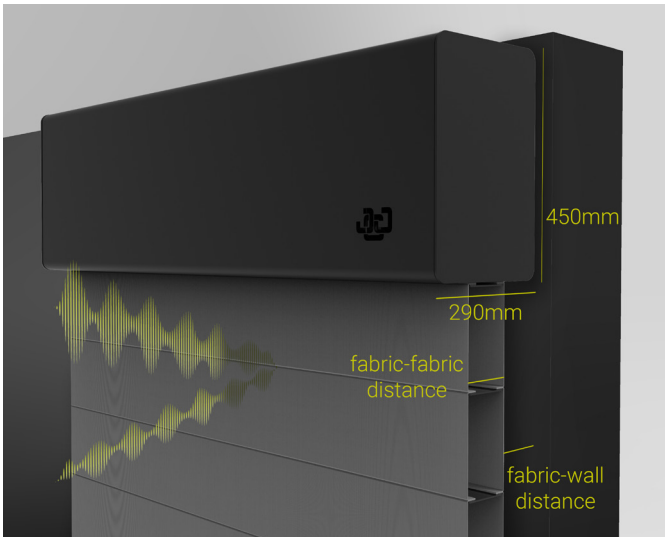

At a Glance

Our Concerto Acoustic Banner is the flagship of the J&C Joel variable acoustic range. A concertina-style banner that uses industrial-grade lifting technology for reliability and safety. As standard, it deploys two layers of Tay Wool Serge, achieving a Class A acoustic absorption rating according to EN ISO 11654:1997.

The fabric is black as standard, but custom colour options are available.

The Concerto offers upto 50m^2 of absorbent material, with a maximum width of 6m or a maximum drop of 20m.

Standard operating speed is 100-150mm/s which enables a 6m banner to deploy in 60s.

Designed and Manufactured in the UK.

Acoustic Absorption

The two layers of fabric are positioned at a predefined distance from a wall to reduce reverberation time.

We have test reports with the fabric-wall distance at 100 & 350mm, and fabric-fabric distance at 100mm apart. The tests were conducted using a 3rd party and the full reports are available on request.

Fabric	Fabric-Fabric Distance mm	Fabric-Wall Distance mm	Acoustic Absorption Co-efficient 125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz
Pressed Tay Wool Serge - Enclosed	100	100	0.75	0.90	1.00	0.95	0.85	0.90
	100	350	0.65	0.85	1.00	1.00	0.95	0.95
Pressed Tay Wool Serge	100	100	0.40	0.80	1.00	1.00	0.90	0.95
	100	350	0.50	0.70	1.00	1.00	1.00	0.95

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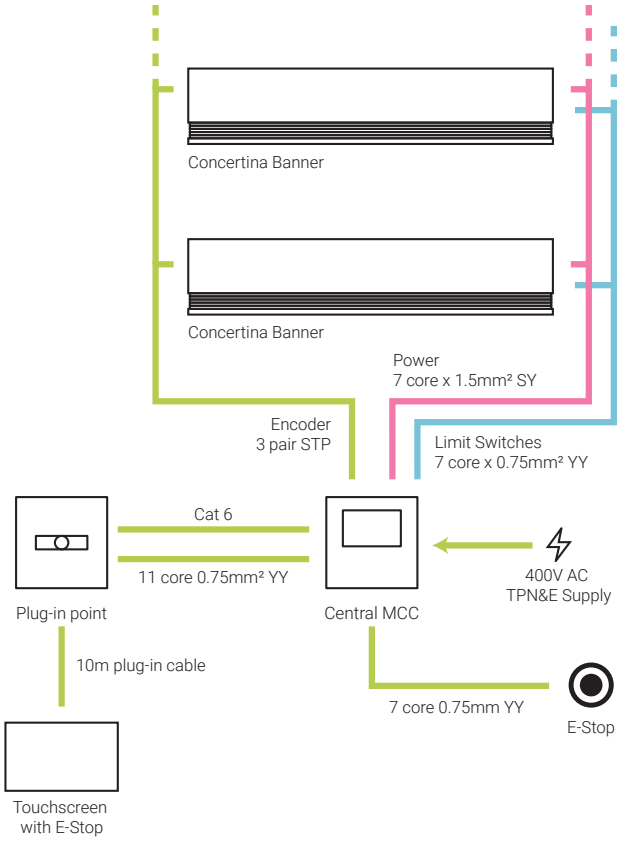
Control Schematic



Features

- NORD IE3 3 Phase Braked Geared Motor
- Mayr ROBA Stop Stage Safety Brake
- TER Limit Switch - End of Travel & Ultimate
- Absolute Rotary Encoder
- Overheat prevention
- Tay Wool Serge is our standard fabric which has tested acoustic reports. Other fabric options and colours are also available upon request for varying aesthetic and acoustic performance.

Installation

- Two Unistrut P1000 channels along the full length of the top of the banner enable simple mounting.
- J&C Joel can install the banners or can provide mechanical and electrical drawings to aid your installation.

Control Features

- HMI touchscreen with integrated E-Stop & deadman switches
- Banners can be operated in groups or individually.
- Preset positions can be saved into the system - requires an encoder.
- E-stops can interface with other stage engineering packages using a global e-stop system.
- Can integrate into building management systems (BMS).