

M-SHEV Multi-Zone Control Panels.

M-SHEV

M-SHEV® – the intelligent control panel for single and multi-zone smoke ventilation.



CONFIGURATION

The central microprocessor can be linked directly to the Simon Link® user interface allowing easy “plug & play” onsite configuration of the system.

VERSATILE

The base panel is supplied complete with the central power supply, battery pack and a Z1-100 central interface module. The system is then built up using the required DIN rail mounted input and output control modules which are programmed to provide either a BRE Smoke Shaft type cause & effect or multiple zoned AOVs.

CONFORMITY

CE Marked to low voltage and EMC directives
BS EN 12101-10, prEN 12101-9, BS ISO 21927-9

KEY INFO / SPECIFICATIONS

BMS Interfaces	BMS systems via an additional BI-100-MB BUS Interface (takes up 1 no. FME)
Finish	Metallic, powder-coated with white gloss finish
Internal Fuses	MR-120 Output: T10.0A 20x5mm
IP Rating	IP54
Mounting	Wall mounting or floor mounting (see chart)
Power Supply	230V AC
Signal Contact Rating	1A – 30VDC Maximum
Smoke Vent Output	24V DC
Terminations	Spring clamp, 2.5mm ² (standard), 4.0mm ² , 6.0mm ² , 10.0mm ² and 16mm ² available

SUITABLE FOR:



M-SHEV MODULES

M-SHEV® Modules - All modules take up one designated space (FME) in the panel.

Sensor Interface SI-100-SP	1 no. zone input – override switch, smoke detector and fire alarm
Motor Relay MR-120	1 no. zone output – 24V motor output (12A max.) and thermostat input
Message Interface MI-100	4 no. programmable volt free contacts

BRE SHAFT SYSTEMS

M-SHEV-12-S for BRE Shaft System – Based on motor currents of 2.0A

Shaft System	Dims. W x H x D (mm)	
Up to 2 floors	600 x 600 x 250 (9 FME)	Each panel will be supplied complete with: <ul style="list-style-type: none"> • Switch mode power supply • Battery pack • SI-100-SP Input modules to suit the number of floors • MR-120 Output modules to suit the number of floors • 1 no. 24V Head of shaft output • 1 no. 24V Head of stair output • 1 no. MI-100 Interface (4 no. Programmable contacts)
Up to 4 floors	600 x 800 x 250 (13FME)	
Up to 7 floors	800 x 800 x 250 (19 FME)	
Up to 10 floors	800 x 1000 x 250 (25 FME)	
Up to 11 floors	800 x 1200 x 300 (27 FME)	
Up to 13 floors	1000 x 1000 x 300 (31 FME)	
Up to 16 floors	1000 x 1200 x 300 (57 FME)	
Up to 20 floors	800 x 2000 x 300* (50 FME)	
For larger applications contact Group SCS technical department. *Includes plinth for floor mounting		

DAILY VENTILATION OPTIONS

Panel Details for BRE Shaft System c/w Daily Vent Options – Based on motor currents of 2.0A

Dims. W x H x D (mm)	M-SHEV-12-S	M-SHEV-24-S	M-SHEV-48-S
600 x 600 x 250 (9 FME)	Up to 2 floors		
600 x 800 x 250 (13FME)		Up to 3 floors	
800 x 800 x 250 (19 FME)		Up to 7 floors	
800 x 1000 x 250 (25 FME)		Up to 10 floors	
800 x 1200 x 300 (27 FME)			Up to 12 floors
1000 x 1000 x 300 (31 FME)			Up to 13 floors
1000 x 1200 x 300 (57 FME)			Up to 15 floors
800 x 2000 x 300* (50 FME)			Up to 19 floors
1000 x 2000 x 300* (65 FME)			Up to 20 floors

ATTENTION: Under the Construction Products Regulations (CPR) it is a legal requirement to use only certified products for smoke ventilation. It is the responsibility of the installer to ensure installations meet the relevant standards.

Group SCS reserves the right to alter the specification of its products from time to time without notice. Although every effort has been made to ensure the accuracy of the information contained in this document it is not warranted or represented by Group SCS to be a complete and up-to-date description. For further information visit www.groupscs.co.uk