# 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 Interface via an optional BI-100-MB BUS module |
| Finish | Mild steel, RAL 7035 light grey powder-coated finish |
| Internal Fuses | MR-120 Output: T10.0A 20x5mm |
| IP Rating | IP55 |
| Mounting | Wall mounting or floor mounting |
| Power Supply | 230V AC |
| Signal Contact Rating | 1A – 30VDC Maximum |
| Smoke Vent Output | 24V DC |
| Terminations | Spring clamp, 2.5mm² (standard), 4.0mm², 6.0mm², 10.0mm² and 16mm² available |

### SUITABLE FOR:

SMOKE CONTROL

NATURAL VENTILATION

## M-SHEV MODULES

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

| Module | Description |
|---|---|
| Sensor Interface ZI-100-SP | Central Interface Module |
| 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 (optional) |
| Modbus RTU Interface BI-100 | 1 no. Modbus RTU Module (optional) |

## BRE SHAFT SYSTEMS

**M-SHEV-12-S FOR BRE SHAFT SYSTEM – BASED ON MOTOR CURRENTS OF 2.0A**

| Shaft System | Part Number | Dims. H x W x D (mm) |
|---|---|---|
| Up to 2 floors | EV-MSHEV-12/3G/4Z | 800 x 800 x 210 |
| Up to 4 floors | EV-MSHEV-12/5G/6Z | 1000 x 800 x 260 |
| Up to 6 floors | EV-MSHEV-12/7G/8Z/MB | 1000 x 1000 x 300 |
| Up to 7 floors | EV-MSHEV-12/8G/9Z/1R | 1200 x 1000 x 300 |
| Up to 10 floors | EV-MSHEV-12/11G/12Z | 1200 x 1200 x 300 |
| Up to 12 floors | EV-MSHEV-24/13G/14Z | 1200 x 1200 x 300 |
| Up to 18 floors | EV-MSHEV-48/19G/20Z | *1700 x 1000 x 400 |

For larger applications contact Group SCS technical department.

*Includes plinth for floor mounting

Each panel will be supplied complete with:

- Switch mode power supply
- Battery pack
- ZI-100 Central Interface Module
- SI-100-SP Input modules to suit the number of floors
- MR-120 Output modules to suit the number of floors plus 1 no. 24V Head of shaft output & 1 no. 24V Head of stair output
- 1 no. MI-100 4 no. Relay Programmable contacts (Optional extra using 1R code)
- 1 no. BI-100-MB Modbus RTU Interface (Optional extra using MB code)

## ACCESSORIES

| Part number | Product name |
|---|---|
| EV-HMI7B-MS | M-SHEV Basic HMI panel, 7” Screen, 230VAC, Modbus, white |

## SPARE PARTS

| Part number | Product name |
|---|---|
| NP7-12 | 7Ahr 12V Yuasa sealed lead acid battery |
| EPLW240A | LED White 240VAC 22.5mm |
| EPLW024C | LED White 24VAC/DC 22.5mm |
| ST43395 | MR-120-BUNDLE Motor Relay 12A Output |
| ST43394 | SI-100-SP-BUNDLE combined module to connect HE-077 Sw |

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