DATASHEET

# Smoke Shaft Control Panel.

## EV-FCBD

The EV-FCBD is the main smoke shaft system control panel providing control and monitoring by interfacing to interface panels and devices. The panel houses the system controller, fan starter, a separate fan for daily vent mode and sub-distributes power supplies to the interface panels and network.

### CONNECTED

The panel houses the system controller and dedicated duty/standby fan starters. Can be networked with multiple fan panels and available with BMS interfaces.

### CONFIGURABLE

Variable speed control of the smoke fans which can be configured to operate for daily ventilation purposes.
Variants are available with separate environmental fan starters.

### WEATHERPROOF

Weatherproof enclosure with cooling ventilators, making the panel suitable for indoor and outdoor locations.

### CONFORMITY

UKCA and CE Marked to
BS EN 61439
prEN 12101-9
BS ISO 21927-9

### MANUFACTURER

Group SCS

### KEY INFO / SPECIFICATIONS

| | |
|---|---|
| BMS Interfaces | Volt-free contacts<br>Optional Modbus & BACnet gateway available |
| Voltage Input | Single maintained 400V AC 3P&N (4 Wire) |
| Voltage Outputs | 400V AC 3P supply for fans<br>230V AC 16A maintained supply for interface panels<br>24V DC 1.0A supply for sensors and fan dampers |
| Cable Entries | Bottom |
| IP Rating | IP55 weatherproof with rain canopy |
| Operating Temperature | -5 to +50 °C ambient temperatures |
| Finish | Mild steel, RAL 7035 light grey powder-coated finish |

### SUITABLE FOR:

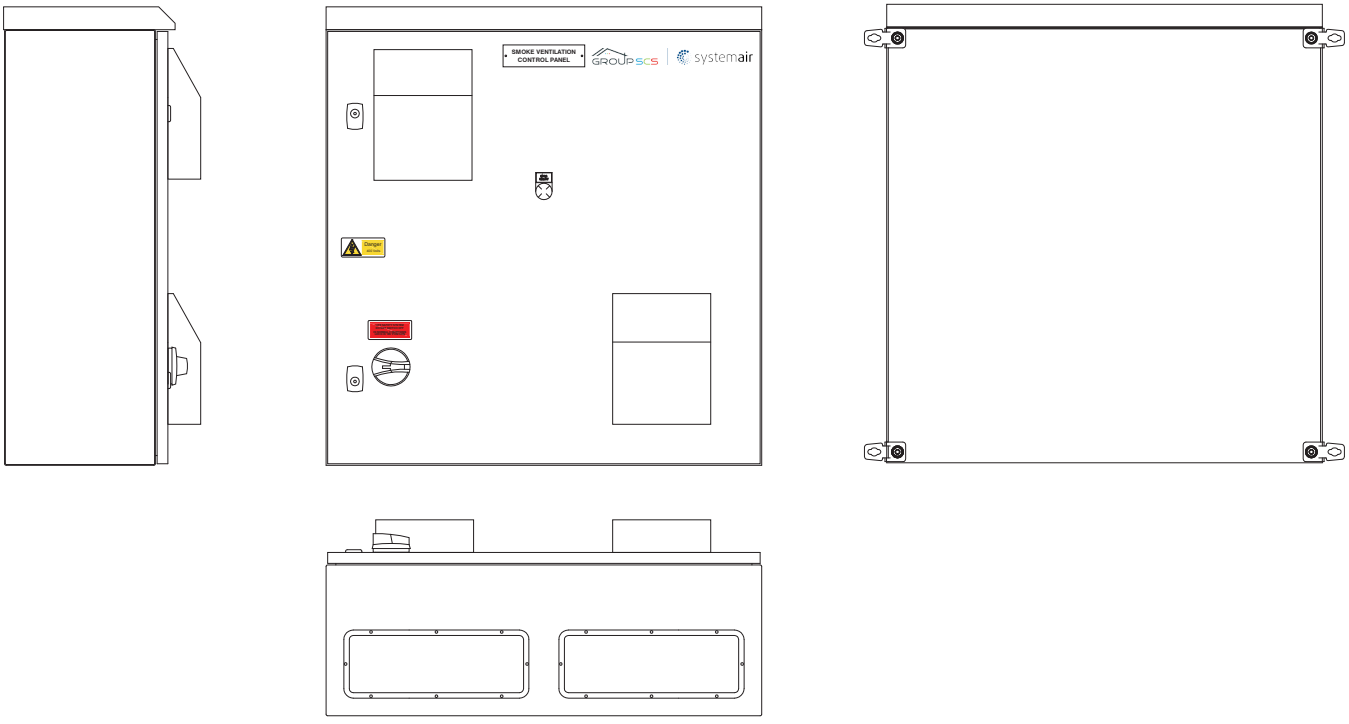
SMOKE CONTROL

NATURAL VENTILATION

## MODEL SPECIFIC

| Model | Max Current Load | Weight | Dimensions |
|---|---|---|---|
| EV-FCBD4 | 26A | 72kg | H:842mm x W:800mm x D:360mm |
| EV-FCBD5.5 | 30A | 85kg | H:842mm x W:1200mm x D:360mm |
| EV-FCBD7.5 | 33A | 87kg | H:842mm x W:1200mm x D:360mm |
| EV-FCBD11 | 42A | 96kg | H:842mm x W:1200mm x D:360mm |
| EV-FCBD15 | 50A | 98kg | H:842mm x W:1200mm x D:360mm |
| EV-FCBD18.5 | 56A | 125kg | H:1242mm x W:1000mm x D:360mm |
| EV-FCBD22 | 63A | 128kg | H:1242mm x W:1000mm x D:360mm |

## TECHNICAL DRAWINGS



## VARIATIONS

| EV-FCBD SMOKE SHAFT CONTROL PANEL | |
|---|---|
| **Model number** | **Variations** |
| EV-FCBD4 | 4KW 9.1A, daily fan 1.5KW 3.7A |
| EV-FCBD5.5 | 5.5KW 12A, daily fan 1.5KW 3.7A |
| EV-FCBD7.5 | 7.5KW 15.5A, daily fan 3KW 7.2A |
| EV-FCBD11 | 11KW 23A, daily fan 3KW 7.2A |
| EV-FCBD15 | 15KW 31A, daily fan 3KW 7.2A |
| EV-FCBD18.5 | 18.5KW 37A, daily fan 4KW 9.1A |
| EV-FCBD22 | 22KW 42.5A, daily fan 4KW 9.1A |

## ACCESSORIES

| Part number | Product name |
|---|---|
| EV-HMI7P-SS | Smoke Shaft Basic HMI panel, 7" Screen, 230VAC, Profibus, white |
| EV-ATS | Automatic Transfer Switch c/w bypass |
| EV-301-MC-IP-BB | 24VDC Smoke AOV Interface Panel – 3A Output c/w Batteries |
| EV-301-MC-P-IP-BB | 24VDC Smoke AOV Interface Panel – 3A Output c/w Pressure Sensor & Batteries |
| EV-601-MC-IP-BB | 24VDC Smoke AOV Interface Panel – 6A Output c/w Batteries |
| EV-BMS-SS | Modbus RTU and BACnet MSTP Gateway |

## SPARE PARTS

| Part number | Product name |
|---|---|
| 827-9510 | Fan filter |
| EPLG024C | LED Green 24VDC |
| LSK503 | Panel key |
| 768-9708 | Panel isolator padlock |

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