DATASHEET

Fan Control Panel.

EV-FBB

This is the shaft system master control panel and smoke fanset MCC with Danfoss inverter bypass. Provides an interface to all addressable units and devices.

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 Optional Modbus & BACnet gateway available
Voltage Input	Single maintained 400V AC 3P&N (4 Wire)
Voltage Outputs	400V AC 3P supply for fans 230V AC 16A maintained supply for interface panels 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:

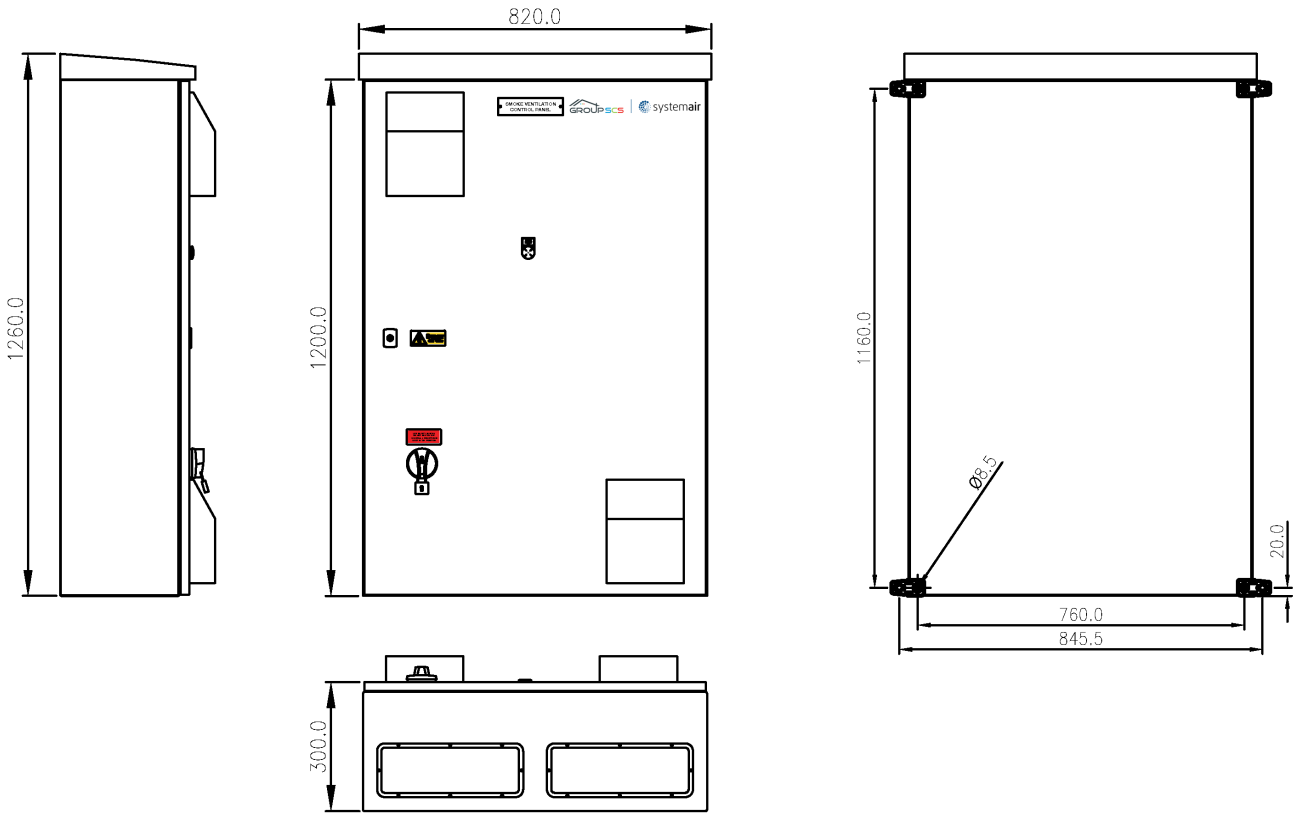
SMOKE CONTROL

NATURAL VENTILATION

MODEL SPECIFIC

Model	Max Current Load	Weight	Dimensions
EV-FBB4	21A	78kg	H:1242mm x W:800mm x D:360mm
EV-FBB5.5	24.5A	80kg	H:1242mm x W:800mm x D:360mm
EV-FBB7.5	27.5A	80kg	H:1242mm x W:800mm x D:360mm
EV-FBB11	36.5A	85kg	H:1242mm x W:800mm x D:360mm
EV-FBB15	45A	85kg	H:1242mm x W:1000mm x D:360mm
EV-FBB18.5	51A	120kg	H:1242mm x W:1000mm x D:360mm
EV-FBB22	58.5A	120kg	H:1242mm x W:1000mm x D:360mm

TECHNICAL DRAWINGS



VARIATIONS

EV-FBB FAN CONTROL PANEL	
Model number	**Variations**
EV-FBB4	4KW 9.1A Fanset with inverter bypass
EV-FBB5.5	5.5KW 12A Fanset with inverter bypass
EV-FBB7.5	7.5KW 15.5A Fanset with inverter bypass
EV-FBB11	11KW 23A Fanset with inverter bypass
EV-FBB15	15KW 31A Fanset with inverter bypass
EV-FBB18.5	18.5KW 37A Fanset with inverter bypass
EV-FBB22	22KW 42.5A Fanset with inverter bypass

ACCESSORIES

Part number	Product name
EV-HMI7P-SS	Smoke Shaft Basic HMI panel, 7" Screen, 230VAC, Profibus, white
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