



VENTEC 400 SERIES BBU CONTROL PANEL

IDEAL FOR: STAIRWELL AOV / DAILY VENTILATION CONTROL



24 HR NEXT DAY DESPATCH

24 VOLT

4A - 20A OPTIONS

1 SMOKE VENT ZONE

2 NATURAL VENT ZONES

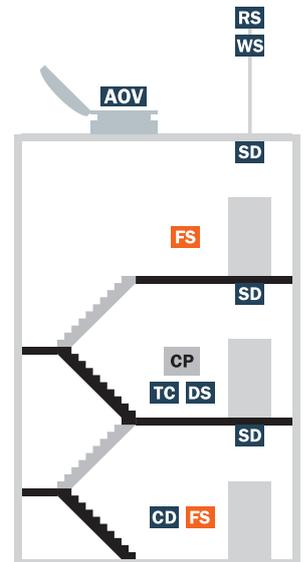
Product Summary

In the event of a fire, the Ventec 400 Series battery backup control panel allows the dispersment of smoke from a single zone. The Ventec 400 Series also allows daily ventilation of up to two zones by opening single or multiple windows or vents.

The control panel is supplied with two 12Vdc 4.5 Ah in series batteries, that are kept charged when the mains power supply is available. When power is unavailable they guarantee a 72 hour period in standby mode allowing the execution of a complete emergency opening command as prescribed by BS EN12101-10.

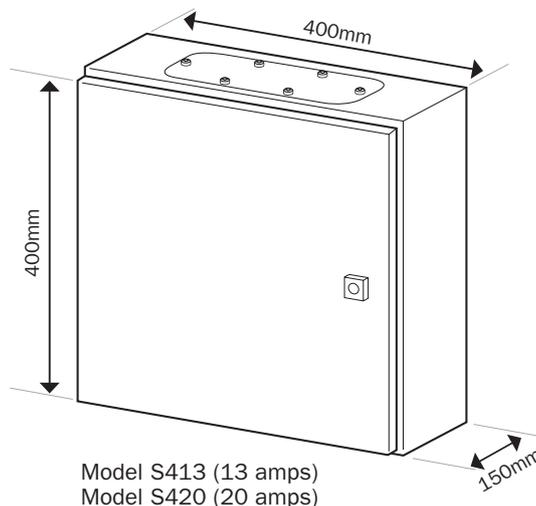
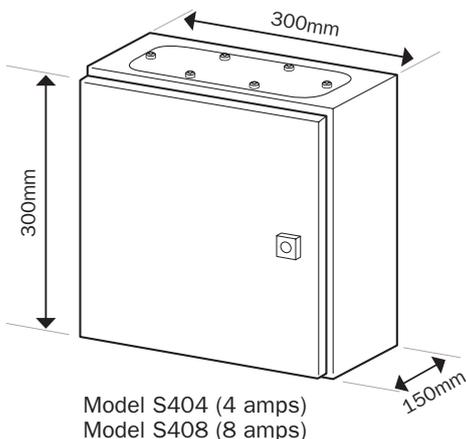
Multiple units can be linked in series to give an increased output. This expandable capability allows the control of multiple actuators and devices that, when combined, require a larger than standard amount of power to function.

A fire override switch will need to be fitted to each panel to show FAULT, OPEN and CLOSE operation of all the linked panels.



EXAMPLE STAIRWELL SYSTEM

Dimensions



KEY:

- CP** BBU Control Panel
- AOV** AOV
- RS** Rain Sensor
- WS** Wind Sensor
- SD** Smoke Detector
- DS** Retractive Day Switch
- TC** Thermostatic Controller
- CD** Carbon Dioxide Sensor
- FS** Fire Override Switch

VENTEC 400 SERIES BBU CONTROL PANEL



Technical Data

	BBU 404 (4 amps)	BBU 408 (8 amps)	BBU 413 (13 amps)	BBU 420 (20 amps)
Width (mm)	300mm	300mm	400mm	400mm
Depth (mm)	150mm	150mm	150mm	150mm
Height (mm)	300mm	300mm	400mm	400mm
Battery Re-charging Time – 0% to 100%	10 hours	10 hours	10 hours	10 hours
Operating Temperature	-5°C to +40°C	-5°C to +40°C	-5°C to +40°C	-5°C to +40°C
Visual Diagnostics – On Board LEDs	GREEN ON: Power supply is on · YELLOW ON: A fault is detected · RED ON: An alarm is active			
Daily Ventilation Zones	1 or 2	1 or 2	1 or 2	1 or 2
Smoke Ventilation Zones	1	1	1	1
INPUTS				
Smoke Detectors Supported	10	10	10	10
Fire Override Switches Supported	1 minimum – 10 maximum	1 minimum – 10 maximum	1 minimum – 10 maximum	1 minimum – 10 maximum
Fire Override Switch Input Core Type	7-Core + Earth	7-Core + Earth	7-Core + Earth	7-Core + Earth
Fire Alarm Volt Free Normally Closed Connection	✓	✓	✓	✓
Master Fire Override Switch (All zones open or closed)	✓	✓	✓	✓
Daily Switch	1 or 2	1 or 2	1 or 2	1 or 2
Thermostat, Wind, Rain and CO ₂ Sensor	✓	✓	✓	✓
Maglock Support – Auxiliary 1 Output	✓	✓	✓	✓
OUTPUTS				
2 Motor Outputs 24Vdc	Max. load 2x 2.0 amps	Max. load 2x 4.0 amps	Max. load 2x 6.5 amps	Max. load 2x 10 amps
Visual Display	Min. 1 Fire Override Switch	Min. 1 Fire Override Switch	Min. 1 Fire Override Switch	Min. 1 Fire Override Switch
Expandable Auxiliary Panel	✓	✓	✓	✓
Lift To Ground Option	✓	✓	✓	✓
FP Wiring Type	FP PLUS	FP PLUS	FP PLUS	FP PLUS

Related Products and Services

The following should also be considered when planning your system.



INSTALLATION
& MAINTENANCE

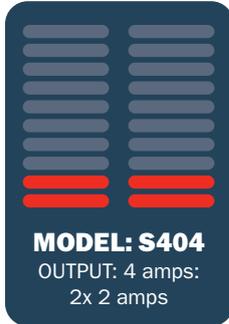


400 SERIES
WEATHER STATION

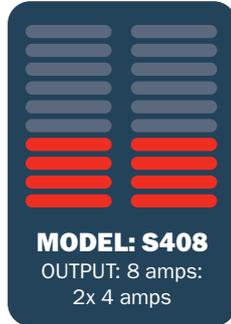


PROJECT
COMMISSIONING

VENTEC 400 SERIES BBU CONTROL PANEL



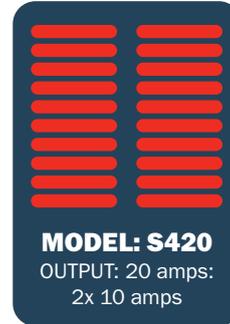
MODEL: S404
OUTPUT: 4 amps:
2x 2 amps



MODEL: S408
OUTPUT: 8 amps:
2x 4 amps



MODEL: S413
OUTPUT: 13 amps:
2x 6.5 amps



MODEL: S420
OUTPUT: 20 amps:
2x 10 amps



DAILY VENTILATION

Installing a single DS 400 switch allows the daily operation of all actuators connected to the control panel (all open / all closed).

SMOKE VENTILATION

On fire alarm, smoke detector, or fire override switch activation – all zones open as one, and close as one.



DAILY VENTILATION

Installing a second DS 400 switch allows splitting the two actuator outputs into two separate zones allowing each zone to be independently controlled in a daily operation mode. In smoke mode, manual ventilation control from the DS 400 switches is overridden.

