AVIATOR MAX CONTROLLER



DESCRIPTION

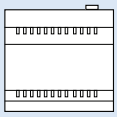
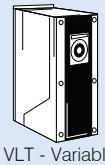
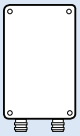
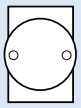
The Aviator MAX Control System is a tailored solution designed to efficiently manage the ventilation in car parks, sports stadiums and warehouse facilities ventilation to help maintain high standard of air quality. It has been developed to increase the energy efficiency of these facilities, while ensuring the air mixing and ventilation requirements are optimised.

Aviator MAX works in conjunction with mixing fans, pollutant sensors, VSDs, supply/Exhaust fans and Building Management Systems. The MAX controller can be factory configured to match your application requirements.

Features

- AS1668.2 compliant atmospheric contaminant monitoring system
- Connect up to 50 JetVent fan or mixer fans
- Connect up to 16 Danfoss VLT drives
- Connect up to 50 fieldbus sensors
- Connect to up to 5 expansion modules
- Connect to either the 4.3” or large 7” touch screen graphic user interface (GUI)
- Can be connected to a BMS for easy system monitoring; Modbus or BACnet using either Ethernet or RS485
- Connects to fire panel (FDCIE) for general fire alarm and JetVent On/Auto/Off requirements
- 6 demand zones and one fire zone operation
- Integrated smoke detection system for quick shut down
- Smoke reset can be set to manual only, with dedicated auxiliary digital input used to reset the smoke detection
- Purge timer with real time clock and run indicator alarm
- Includes a 20 program scheduler
- Relays for alarms, run indication, level control and enables

ANCILLARY EQUIPMENT

 Aviator MAX Expansion Module.	 Aviator 4.3” & 7” GUI	 VLT - Variable Speed Drive.
 Aviator Fan Interface Module.	 Comlink Repeater Module	

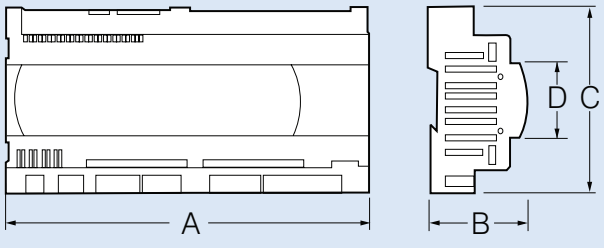
Standard I/O

- 9 Digital inputs
- 8 Digital outputs
- 4 Analogue inputs
- 4 Analogue outputs

Ports

- Modbus to Aviator GUI connection
- Ethernet port
- Modbus to fan and drives
- Modbus to expansion module connection

DIMENSIONS

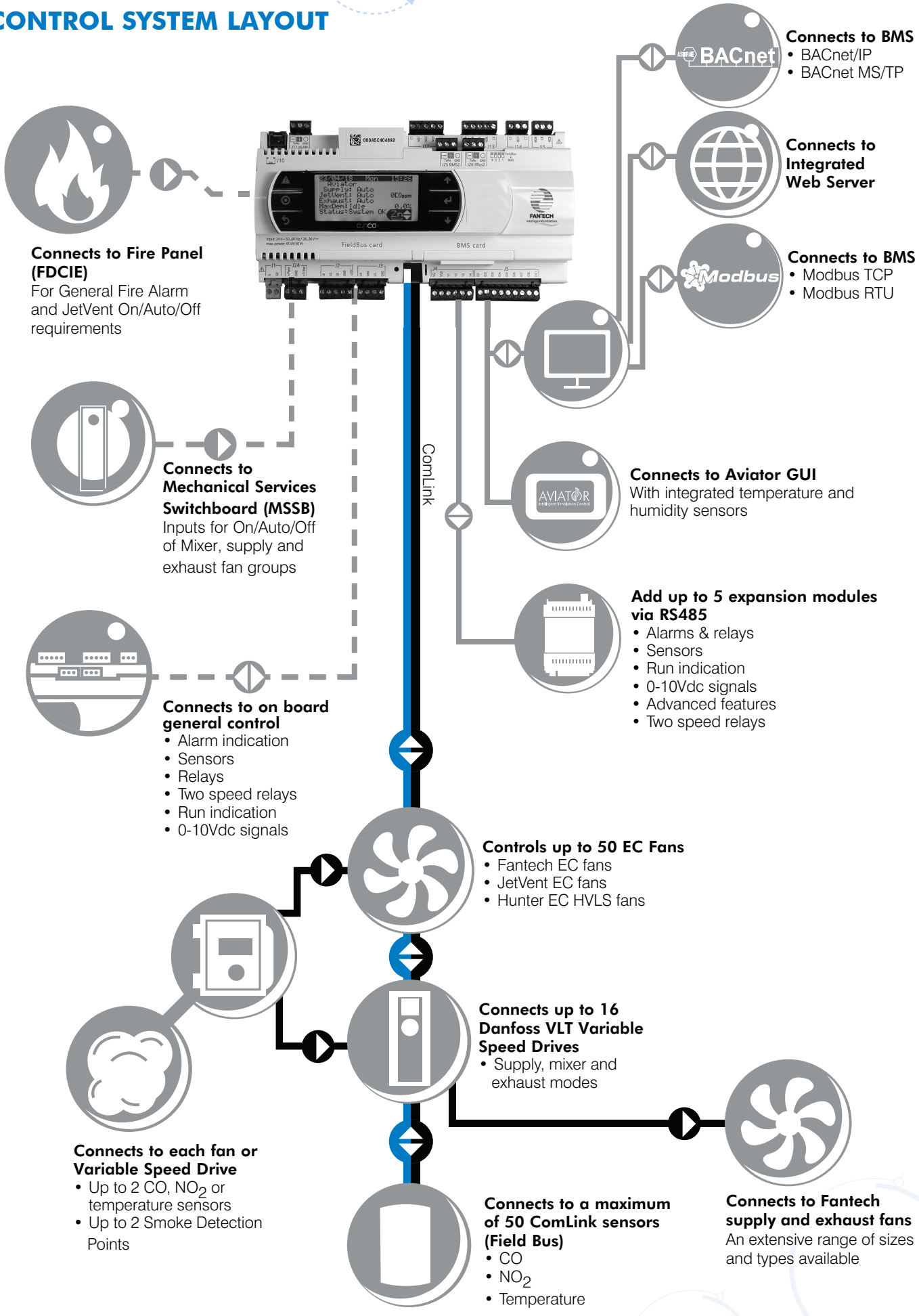


Model Number	Dimensions, mm A	B	C	D	Kit includes
DCV-CU-MAX1	228	70	110	45	Controller, connectors & power supply

M

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CONTROL SYSTEM LAYOUT



Connects to BMS
- BACnet/IP
- BACnet MS/TP

Connects to Integrated Web Server

Connects to BMS
- Modbus TCP
- Modbus RTU

Connects to Fire Panel (FDCIE)
For General Fire Alarm and JetVent On/Auto/Off requirements

Connects to Mechanical Services Switchboard (MSSB)
Inputs for On/Auto/Off of Mixer, supply and exhaust fan groups

Connects to Aviator GUI
With integrated temperature and humidity sensors

Add up to 5 expansion modules via RS485
- Alarms & relays
- Sensors
- Run indication
- 0-10Vdc signals
- Advanced features
- Two speed relays

Connects to on board general control
- Alarm indication
- Sensors
- Relays
- Two speed relays
- Run indication
- 0-10Vdc signals

Controls up to 50 EC Fans
- Fantech EC fans
- JetVent EC fans
- Hunter EC HVLS fans

Connects up to 16 Danfoss VLT Variable Speed Drives
- Supply, mixer and exhaust modes

Connects to each fan or Variable Speed Drive
- Up to 2 CO, NO_2 or temperature sensors
- Up to 2 Smoke Detection Points

Connects to a maximum of 50 ComLink sensors (Field Bus)
- CO
- NO_2
- Temperature

Connects to Fantech supply and exhaust fans
An extensive range of sizes and types available

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