

DESCRIPTION

The compact Aviator MINI Controller is a tailored solution designed to efficiently manage small car park, 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 MINI works in conjunction with mixing fans, pollutant sensors, VSDs, supply/Exhaust fans and Building Management Systems. The MINI controller can be factory configured to match your application requirements.

Features

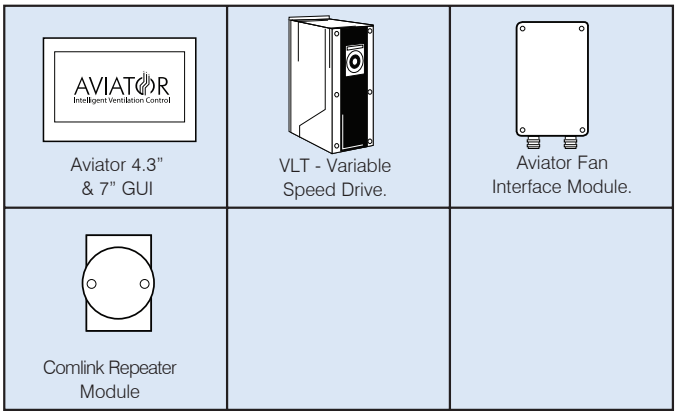
- AS1668.2 compliant atmospheric contaminant monitoring system
- Connect up to 50 JetVent fans or mixer fans
- Connect up to 16 Danfoss VLT drives
- Connect up to 20 fieldbus sensors
- Connect to up to 5 expansion modules
- Connect to either the 4.3" or large 7" touch screen graphic user interface (GUI)
- 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 On/Auto/Off mode of operation for mixers or all fans
- 6 demand zones and one fire zone operation
- Integrated smoke detection system for quick shut down
- Purge timer with real time clock and run indicator alarm
- Includes a 20 program scheduler
- Relays for alarms, run indication, level control and enable

Standard I/O

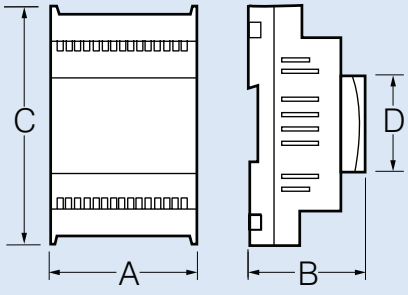
- 8 x Digital inputs
- 6 x Digital outputs
- 4 x Analogue inputs
- 3 x Analogue outputs (relay)

Ports

- Modbus to touchscreen
- 1 x Ethernet port
- Modbus to fan and drives



DIMENSIONS



Model Number	Dimensions, mm A	B	C	D	Kit includes
DCV-CU-MINI1	70	60	110	45	Controller, connectors & power supply

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AVIATOR MINI CONTROLLER



Connects to Fire Panel (FDCIE)
For General Fire Alarm and On/Auto/Off mode of operation for mixers or all fans

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

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

ComLink

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

Connects to Integrated Web Server

Connects to BMS
- Modbus TCP
- Modbus RTU

Connects to Aviator GUI
With integrated temperature and humidity sensors

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 20 ComLink sensors (Field Bus)
- CO
- NO_2
- Temperature

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

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