



Rocburn Multi Zone Control Panel

Multi Zone 24v DC Control Panels

The Multi Zone Control Panel is designed to operate multiple zones of ventilators where the ventilators are fitted with 24vdc actuators.

Typically this type of panel is installed to operate a number of smoke shaft ventilators plus a shaft head ventilator or to operate systems with multiple AOV's in staircases, lobbies or corridors.

Multi Zone control panels are also used in conjunction with powered extract or pressurisation systems.

Each panel requires a 230vac power supply and the control of each ventilator zone is via one or more 24vdc x 10amp output printed circuit cards. The actual number of ventilators operated depends on the specific actuator power requirements for each project

Each card is individually fused and has adjustable timing and links to other boards. This ensures that in the event of a card fault then the remaining cards in that control zone will continue to function.

Fuse protection is also provided to each control zone so that in the unlikely event of a complete zone failure the remaining control zones will continue to operate.

Each zone can also be:

- Linked directly to the fire alarm via a no voltage (N/V) interface, by others
- Operated from 24vdc smoke detector head systems, driven and controlled from the zone card
- Operated by break glass units and / or local Fireman's override switches



- May be remotely operated
- Interlink between the panels is in signal rated cable further reduces the system overall cost.

Each MCP may also have zone operating switches, these may be used for maintenance purposes or may be configured as master override switches to countermand any remote sensor or other signals from break glass units or other sensors

BS: EN 12101 Part 10

The standard panel has 24vdc x 5amp power supply / battery unit

To comply with the requirements of the new British Standards BS: EN12101 part 10 section 4.1 (Covering power supplies) which requires the control panel to have two independent sources of power.

For systems requiring more power to comply with this standard, enhanced power supply / charger units are available as:-

10 amp, 20 amp, 30 amp and 40 amp units

