



Rocburn Digital Panel

Digital Control Panel

This digital control system is for the control and operation of automatic opening window, roof vents and smoke dampers.

The system has been designed to be versatile so it can be used for fire systems, environmental control or both and with a little training can be set up easily by the end user.

For ease the individual boards can set up either by a front end LCD unit if sold as part of the project or by a lab top plugged into any of the network boards via a programme supplied.

Fire protocol takes precedence over any of the environmental settings and when used in a smoke shaft system ensures that all of the floors not triggered by the alarm remain closed.

Each zone board has the capacity to drive up to a ten amp load and when supplied with the correctly sized charger unit will comply to the EN12101 standards.

If larger outputs are required the zone board can be programmed to operate slave relays and when used with suitably sized power units and batteries can be supplied to operate at 20amp,30amp,40amp and 60 amps.

This system was designed to work of fire rated cable and as such the integrity of the system can be assured under all circumstances, especially important when being uses as part of a life safety system.

Each individual zone can be programmed to act as either as:

- Smoke ventilator- i.e. a smoke shaft door, roof ventilator or window.
- Smoke shaft - Operates when used in a smoke shaft scenario with any floor signal.
- Staircase - Can be programmed to operate with the smoke shaft or to act independently.

After being set as one of the above there are the following programmable functions available for each zone.

- Open in fire from local interface units supplied by others or via Apollo smoke sensors supplied as part of the system.
- Close from fireman's override switches.
- Set as Auto or manual reset after fire signal
- Day to day control via remote switches.
- Automatic local control from thermostats or signals from a third party device.
- 0-10v graduated control from a BMS system.
- Global rain sensor control. The rain sensors can be connected to any of zone panels.
- Wind speed control- settings can be different for any of the zones if required.
- CO2 and temperature control from a 0-10v unit.
- Motor drive time from a latched permanent signal to 1-300 seconds.





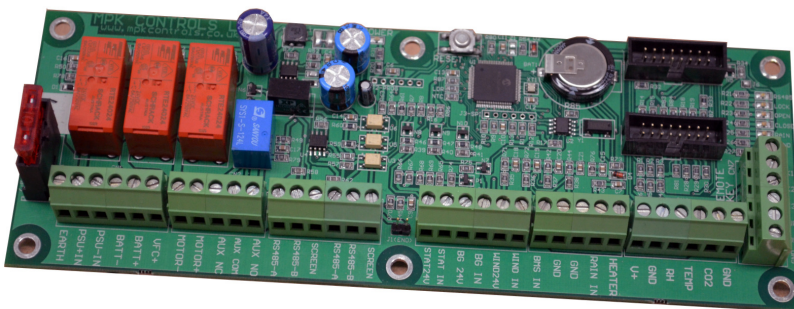
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Digital Control Module

Combinations of control modules & plain GRP boxes can be used

Panel can be set up as open or closed protocol



Digital Circuit Board

Ask about our other smoke vent equipment

