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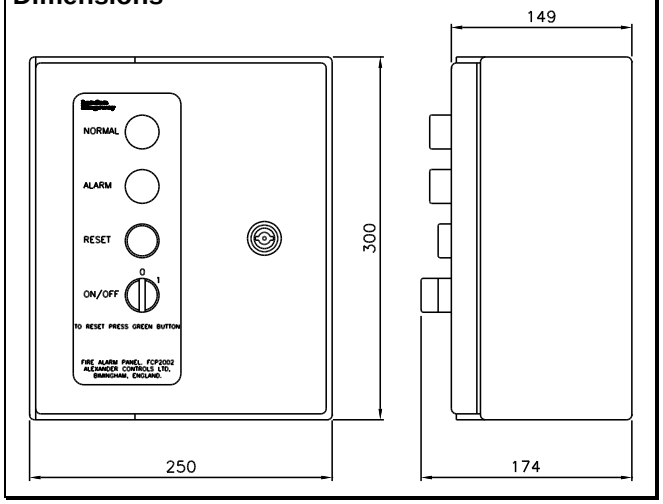
FIRE CONTROL PANEL

The Fire Control Panel is used as the main control unit for a fire protection system. It can be connected to various sensors such as break glass boxes, panic buttons, thermal links and gas detectors using a simple loop wiring system.

The panel provides a normally on power outlet to control fire valves and boilers and a normally off power supply to the alarm(s). In addition, a spare set of changeover volt-free contacts is provided for connection to BMS etc.

Dimensions



Technical Specification

Voltage	230Vac, 110/120Vac, 24Vac, 24Vdc.
Power	3VA
Enclosure	Grey epoxy powder coated steel with locking door.
Protection Rating	IP55
Dimensions	300 x 250 x 174mm
Mounting Box:	260 x 210mm Ø7mm
Brackets:	348 x 210mm Ø10mm
Temperature Range	-10°C to 50°C
Relay Rating	250V 8A max.
Switched Outlet Voltage	Same as supply voltage
Switched Outlet Power	8A max.
Wire Size	2.5mm² Max
Cable Entry	196 x 68mm removable gland plate in base.
Weight	6kg

INSTALLATION

The panel is designed to be mounted on a vertical surface and may be fixed either by using the holes in the corners of the base or by the wall mounting brackets supplied with the unit. The unit is not recommended for outdoor use.

Electrical installation of the unit should be carried out by competent persons in accordance with the wiring diagram.

A variety of sensors and controls may be connected into the loop provided they have a normally closed set of contacts. Any number of devices may be connected in the sensor loop.

OPERATION

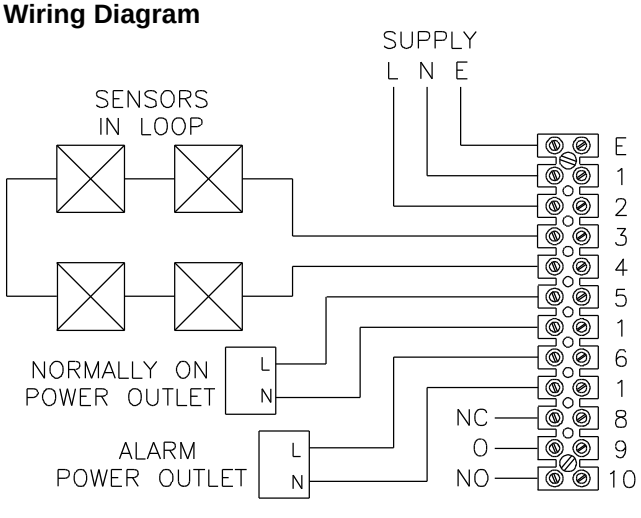
When the unit is switched on it goes into alarm state, the red alarm lamp comes on and any external alarm will sound.

Pressing the reset button will stop the alarm signal and providing the sensor loop is not open circuit, the system will latch into the normal state and the green normal lamp will illuminate. When the system is in normal condition, power will be supplied to any equipment connected to the normally on power outlet.

In the event of any of the sensors detecting a hazardous condition then the electrical supply to the external equipment will be cut and the unit will go into alarm state. When the alarm condition is over, the unit must be manually reset by pressing the reset button.

If the electrical supply to the unit fails then the unit resets to the alarm state when the power is re-applied.

Wiring Diagram



If you have any questions or need any help then please contact our sales office.