

General Specification

'FireSmart' is an addressable intelligent control system with the ability to integrate fire safety systems into a single control. It provides the ultimate notification and operation of essential life safety systems in both normal and fire conditions.

PRODUCT SUMMARY

The BS 5839 compliant control panel system was designed in response to client requirements for enhanced intelligent monitoring of all fire safety systems, that was true open protocol with components and programming supplied by established third party companies.

The system manages and monitors smoke detection, sounders, smoke ventilation systems, corridor air change systems, AOV (automatic opening vents), door mag locks, emergency lift control, fireman's over ride switches, fire and smoke curtains, sprinkler systems, damper control, roof and stair vent control and access door control in a single, open protocol, life safety control system.

All the electronic components are tested and compliant to British Standard: BS 5839. By designing to this industry standard and ensuring all components are open protocol, it allows for 'off the shelf' availability from numerous sources, and ensures the client has a system that can be maintained and modified by any qualified fire alarm engineer and not the usual closed protocol smoke venting installation company which traditionally needed to be tied in for the life of the system.



The single control panel can monitor all fire safety systems and produce status reports and commissioning logs.

The BS 5839 components are connected via a 4-core fire resistant cable which links all the devices. Additional components can be added in the future and the programming can be modified by any fire alarm commissioning engineer.

FEATURES

- Designed to British Standard BS 5839-1:2008 Fire detection and fire alarm systems for buildings
- All components compliant with BS 5839
- Enables all fire safety and security systems to be integrated by a single control panel
- Intelligent system
- True open protocol
- Monitors and reports on all fire safety systems
- Facilitates the interface between other systems such as sprinkler monitoring and door entry systems
- Easy to install, program and operate
- One 4-core cable links all devices
- Manual floor override switches and system instructions locked behind the panel door using a standard FB1 key solving the key problem for attending fire fighters.
- Detection system will only open floor of detection.

Technical Specification

The 'Fire Smart' panel is true open protocol, using 'off the shelf' Kentec fire alarm programming via a RS232 link.

The panel incorporates an uninterrupted power supply with batteries and requires an external 230v single phase 50 hertz electrical power supply similar to a fire alarm panel.

The panel constantly monitors all system components and reports any faults. The panel incorporates an LCD display with menu driven messages.

When the fire fighters are in attendance the long term, override key issue is solved by locating all the damper override controls, fire fighter switches and simple instructions in the alarmed enclosure. This feature was developed in response to feedback from fire fighters.

The panel can be surface or recessed mounted and has dimensions of 700mm high, 385mm wide and 145mm deep.

The Fan Control Switch, Manual Floor Damper Override Switches and System Instructions are locked behind the Fire Smart front Panel door using a standard FB1 key solving the key problem for attending fire fighters and simplifying the control.



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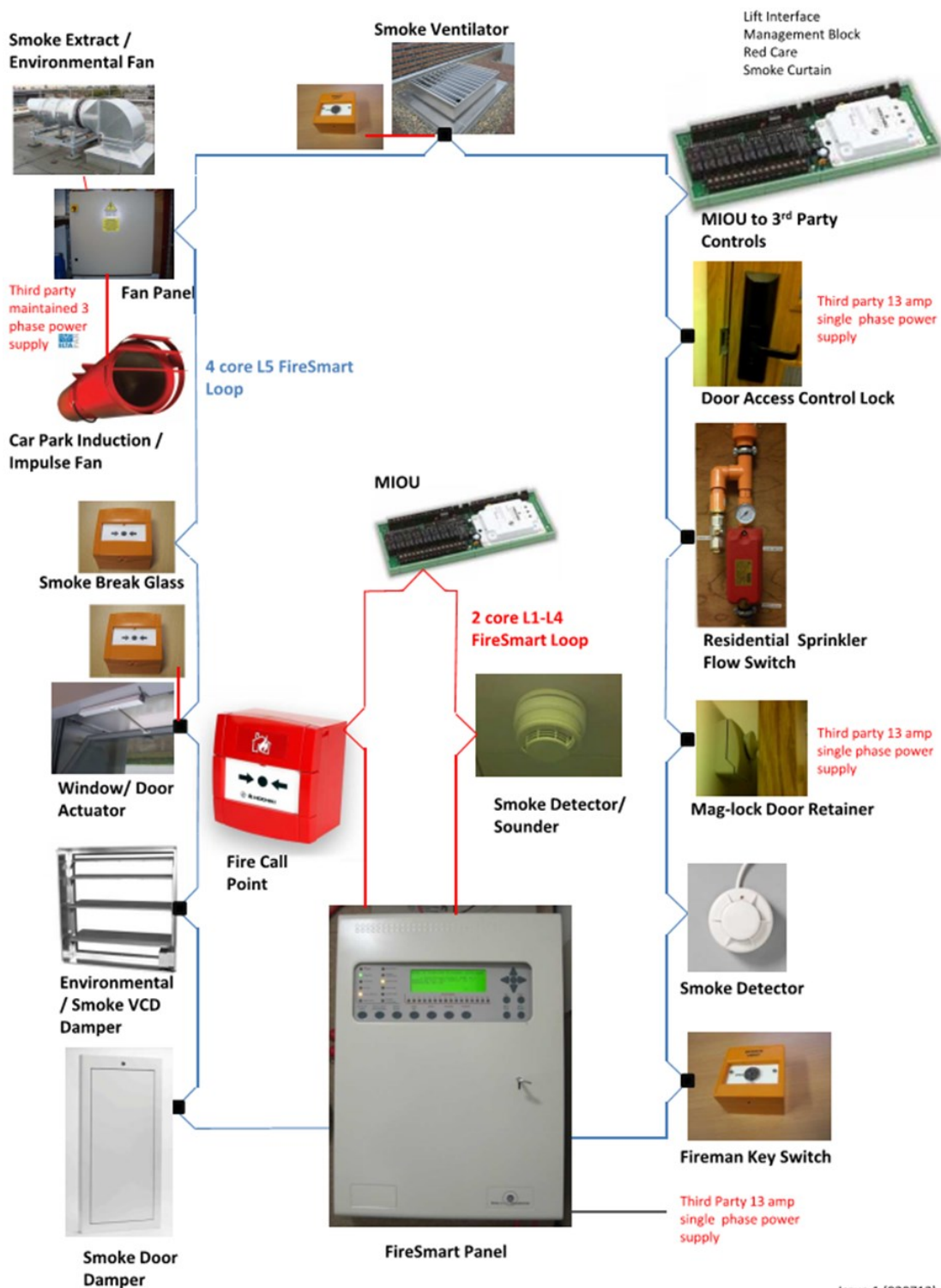
SPECIFICATION

- 16 zone LED indicators
- 2 programmable sounder circuits
- 5 programmable inputs
- 3 programmable relays
- 3A power supply
- Large graphic display with 8 lines of 40 character graphics
- Real time clock
- Expandable from 1 to 2 loops
- Certified to EN54-2/EN54-4
- Up to 512 additional programmable I/O
- Up to 127 devices on a loop
- Powerful, network wide cause and effects
- Sensitivity adjustment and drift compensation
- Panel can be networked
- Compatible with Focus and View repeaters
- Supports Apollo, Argus Vega and Hochiki protocols
- Stores up to 500 events in events log
- Dial up modem connection available
- Fully EN54-2 and EN54-4 Compliant front loading printer option
- Comprehensive day/night mode facility
- Programmable one touch test mode
- Powerful and versatile cause and effect programming
- Cause and effect wizard including: cause and effect action, disablement configuration and test mode configuration
- Panel constructed of 1.2mm mild sheet steel
- White RAL 9003 panel finish

Installation

The Fire Smart system connects to Interface I/O Boxes (IOB) via a fire rated 4-core cable that runs around the building allowing the necessary communications. The panel incorporates all the power necessary with no additional fuse spur requirements for dampers, actuators, smoke detectors, stair vents, etc.

Where maglocks or smoke curtains are connected to the system, a local 13 amp single phase fuse spur is located adjacent to one of the IOB boxes. In the case of smoke extract fans or car park extract fans, an IOB is located adjacent to the fan panel allowing the system to be operated and information from the fan panel such as duty fan running or standby fan to be repeated on the Fire Smart panel.



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