

Concept with Kentec Electronics

Conventional 3 Zone Extinguishant Control Panel



Extinguishant Control Panel

Sigma XT is a new generation extinguishant releasing panel which is fully compliant with European standard BS EN12094-1. (Fixed firefighting systems – components for gas extinguishing systems). The simple, programmable configuration options and easy to install construction make Sigma XT panels the ideal choice for small to medium sized systems using all extinguishant agents.

Application

Sigma XT provides superior fire protection in a wide range of applications from sensitive electrical equipment to industrial applications.

Sigma XT is ideal for smaller applications where exact location of devices is not as critical due to the relative size of the risk being protected.

Sigma XT can have up to 3 zones of detectors so that VESDA can be added to 2 zones of conventional detectors.

Sigma XT can connect both conventional smoke detectors, heat detectors, flame detectors and linear heat sensors.

Sigma XT systems:

- Computer rooms
- Document store
- Tape storage
- Telecommunication/Switchgear
- Vaults
- Process equipment
- All normally occupied or unoccupied electronic areas where equipment is either very sensitive or irreplaceable

Features

- Complies with EN12094-1

- Three detection zones as standard
- Any single zone or any combinations of zones can be configured to release
- Configurable first stage sounder delays
- Configurable detection delays
- Zero time delay upon manual release option
- Compatible with I.S. barriers
- Non-latching zone input option to receive signals from other systems such as aspirating equipment
- Configurable extinguishant delays up to 60 seconds in 5 second steps
- Configurable extinguishant duration up to 5 minutes in 5 second steps
- Countdown timer shows time remaining until release
- Supports up to seven, four wire status indicators
- Built in Extract Fan control

Product Overview

Designed and manufactured to the highest standards in a quality controlled environment and with European EN12094-1 approvals, the Sigma XT extinguishant releasing panel offers outstanding value and performance for all small to medium fixed fire fighting installations.

With three detection zones as standard, extinguishant release can be configured to activate from any combination of detection zone inputs to allow (among other combinations) any two from three type activations such as would be required for detection in ceiling void, room and floor void applications.

The extensive configuration options of the Sigma XT allow the functionality of the system to be extensively modified while still complying with the requirements of the controlling standard for the equipment

(EN12094-1).

The panel contains a large LED display to enable easy configuration and control which also displays the time remaining until extinguishant release for added user safety.

The countdown timer is duplicated on up to seven remote status units to provide local indication of the extinguishant system status.

With all of the electronics mounted on a single, easily removable, steel plate Sigma XT panels are both robust and easy to install.

Sigma XT is supplied in an enclosure that matches the design and colour of the Sigma CP range.

Detection System – The **Concept** Fire Suppression Ltd Control System is used where an automatic electronic control system is required to actuate the various Fire Suppression Agents. This control system is used to control a single fixed fire suppression or alarm system based on inputs received from fire detection devices. The detection circuits can be configured using coincidence or independent inputs. The control system is designed to BS5839 and BS6266.

Make **Concept** Fire Suppression Ltd with **Sigma XT** part of your fire protection plan.

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CONCEPT
FIRE SUPPRESSION LTD

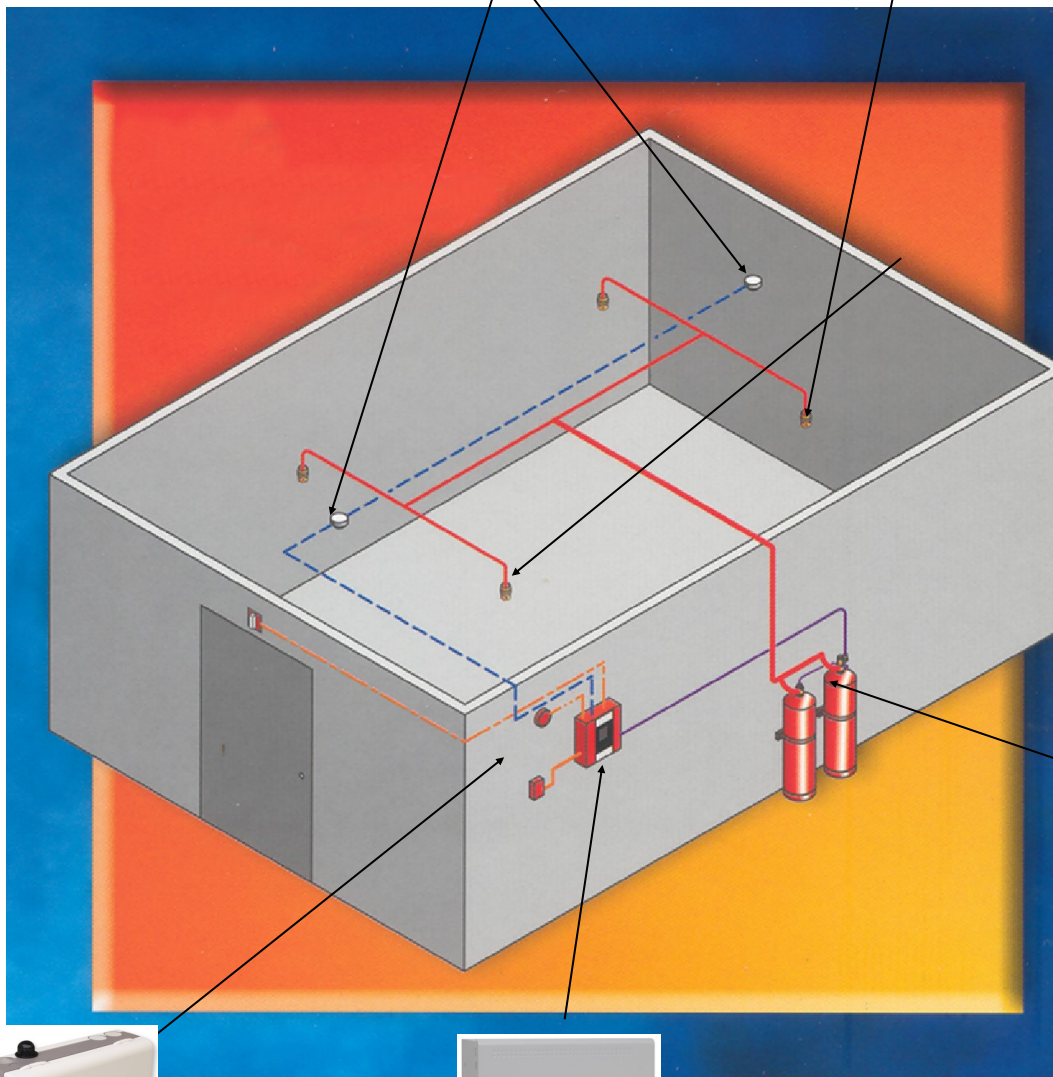
Smoke Detectors

Smoke detectors arrange so that two detectors from two zones are require before the gas is discharged.



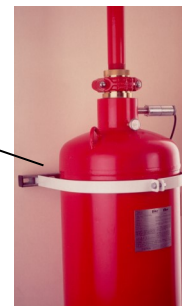
Discharge Nozzles

From 10mm to 50mm discharge nozzles ensure the gas agent is discharged throughout the room and voids.



Cylinders

5L, 9L, 16L, 26L, 45L, 83, and 150L agent cylinders 25bar.



Optional VESDA Detection

For increased levels of detection VESDA is utilised to give early warning of a fire.



Control Panel

3 to 8 zone control panels controlling 1 to 4 areas.

FM-200 is a registered trademark of Great Lakes Chemical Corp.
FE-227 is a registered trademark of Du Pont.

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