



# Kentec

Electronics Ltd

## Life Safety System Specialists



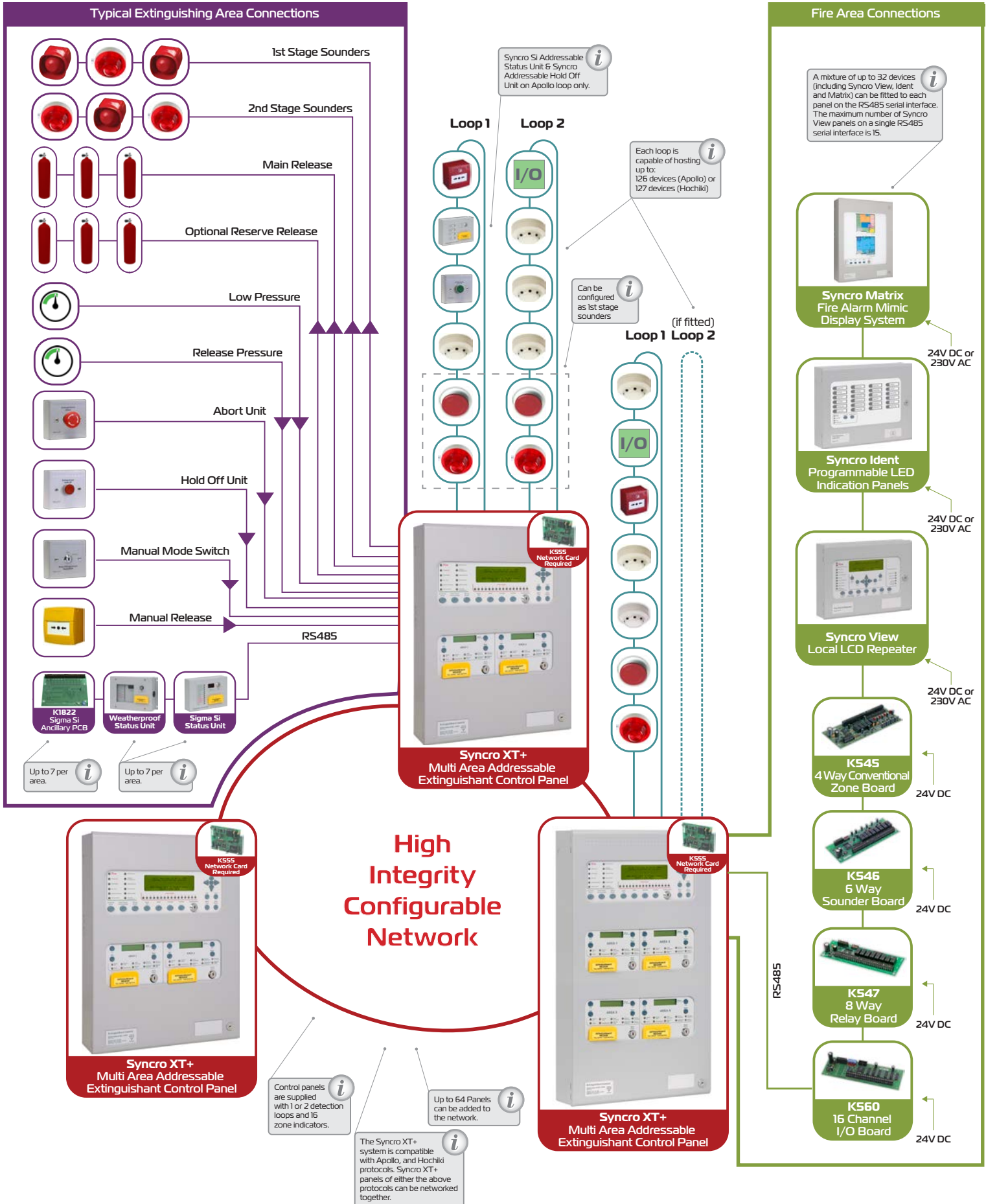
By Appointment to  
Her Majesty The Queen  
Supplier of Fire Detection Equipment  
Kentec Electronics Ltd, Dartford

## Meet the Suppression Family



# Syncro XT+ Network Diagram

The Syncro XT+ Multi Area Addressable Fire Alarm Control Panels are Approved to EN12094-1, EN54-2 and EN54-4 - KM 96761



# Syncro XT+ Multi-Area Addressable Extinguishant Control Panel



BS-EN12094-1  
KM 96761

Syncro XT+ control panels are multi-area extinguishant control panels complying with EN12094-1, EN54-2 and EN54-4.

Up to 16 zones of addressable detection over 1 or 2 loops ensure every detector is able to contribute to extinguishant release.

Up to 4 extinguishing areas and 2 releasing outputs per area can be controlled via simple coincidence detection or via more complex cause and effects configured by the Loop Explorer configuration programme.

Syncro XT+ allows extinguishing systems to take full advantage of the more sophisticated detection techniques provided by modern fire detectors as well as the other benefits of analogue addressable systems such as control of loop connected sounders, beacons and input/output modules.

With the addition of a Syncro network card, Syncro XT+ control panels can be networked to provide scalable extinguishing systems for all sizes of installation.

Stand alone extinguishant control units are also available with 2 monitored inputs to receive initiating signals from remote fire detection control panels or addressable modules.

Each extinguishant area has a comprehensive set of inputs and outputs and is configurable via the Loop Explorer Configuration Programme.

All extinguishant areas may have up to 7, serially connected Sigma Si status indication and control units or ancillary relay boards connected via a simple 4 core cable.

- Approved to EN12094-1, EN54-2 and EN54-4
- 16 detection zones
- Up to 4 extinguishant areas
- Dual extinguishant outputs for each area (configurable as Main/Reserve)
- First and second stage sounder outputs for each area
- First and second stage volt free changeover contacts for each area
- Released volt free contact per area
- Fault volt free contact per area
- Programmable extinguishant delays
- Programmable output duration
- Countdown indicator shows time until release in seconds
- Mode select and manual release controls per area
- Monitored remote manual release input
- Monitored remote hold input
- Monitored remote mode select (door interlock) input
- Monitored remote released pressure switch input
- Monitored Abort input
- Serial connections for Sigma Si status units and ancillary boards. (K588)

# Sigma XT Extinguishant Control Panel



BS-EN12094-1  
KM 96761

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 firefighting installations.

With three detection zones as standard, extinguishant release can be configured to activate from any combination of detection zone inputs.

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

To compliment the Sigma XT panel, the Sigma XT+ control panels are multi-area extinguishant control panels complying with EN12094-1, EN54-2 and EN54-4. Up to 8 zones of conventional detection with up to 4 extinguishant areas are available.

- Approved to EN12094-1, EN54-2 and EN54-4
- Any single zone or any combinations of zones can be configured to release
- Configurable first stage sounder delays
- Configurable detection delays
- Large LED display
- 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
- Countdown timer shows time remaining until release
- Supports up to seven, four wire status indicators
- Built in Extract Fan control
- UL and FM Approved version also available

# Sigma XT+ Multi-Area Extinguishant Control Panel



BS-EN12094-1  
KM 96761

The Sigma XT+ range combines feature rich, Sigma CP conventional fire detection from two to eight zones with highly configurable extinguishing control modules to provide an integrated control solution for extinguishing systems with up to four protected areas.

The fire detection section connects to the extinguishant control modules via a serial link which allows secure, bi-directional transfer of data between the two. Sigma XT+ modules may be mounted remotely in separate enclosures and connected to Sigma CP panels via this serial interface to provide central fire detection and control with distributed extinguishing systems.

Sigma XT+ modules may also be mounted separately from fire detection and control equipment and activated by addressable output modules or volt free contacts from other systems via two monitored activation inputs.

- Approved to EN12094-1, EN54-2 and EN54-4
- 2, 4 or 8 detection zones
- 1 to 4 extinguishant areas
- Dual extinguishant outputs for each area (configurable as Main/Reserve)
- First and second stage sounder outputs for each area
- First and second stage volt free changeover contacts for each area
- Released volt free contact per area
- Fault volt free contact per area
- Programmable extinguishant delays
- Programmable output duration
- Extract fan control
- Countdown indicator shows time until release in seconds
- Mode select and manual release controls per area
- Monitored remote manual release input, Abort input & Hold input

# Sigma Si Extinguishant Status Units & Hold-Off Unit



## Sigma Si Status Units

Sigma Si is range of system status indicator units for use with Kentec Sigma XT, Sigma XT+ and Syncro XT+ extinguishant releasing control panels.

The Sigma Si range of status indicators provide detailed status information for Sigma XT and Sigma XT+ extinguishant release control equipment.

- Approved to EN12094-1, EN54-2 and EN54-4
- 2, 4 or 8 detection zones
- Certified compliant with BS EN12094-1 when used with Sigma XT control equipment
- High brightness LEDs
- Detailed indication of the status of the control panel
- Monitored data connection
- Countdown timer shows time remaining until release
- Manual only and Automatic & Manual mode select keyswitch option
- Remote Auto/Manual door interlock input (monitored)
- Remote Hold input (monitored)
- Internal fault diagnosis indicators
- Weatherproof IP65 versions available

## Hold-Off Units

Sigma Si Hold off units are available with red or green actuators (BS 7273-1 recommends white with red button) and are mounted in a single gang, surface mounting enclosure. For flush mounting, the enclosure may be discarded and the unit mounted to a standard UK single gang electrical back box.

The unit has a durable, shrouded push button to prevent accidental operation and a simple 2 wire connection to Sigma XT, Sigma XT+, Syncro XT+ or Sigma Si status units is required.

Sigma Si Hold off units are fitted with normally open and normally closed contacts to allow operation with monitored and unmonitored systems.

## Warning Signs



Powered by a nominal 24V DC supply, the illuminated warning signs employ the very latest in LED technology to provide a high reliability, high brightness, audio/visual warning indication unit to supplement mandatory alarm warnings.

The brightness of the sign remains constant over its entire operating range of 15 to 30 volts DC due to the unique "power boost" circuitry employed. This ensures that even with a system running on depleted batteries, all signs remain at full intensity.

A range of standard text signs are available and fully customised text and languages are easily accommodated. The large display panel is backlit with high intensity white LEDs to provide a high contrast indication in a range of different colours.

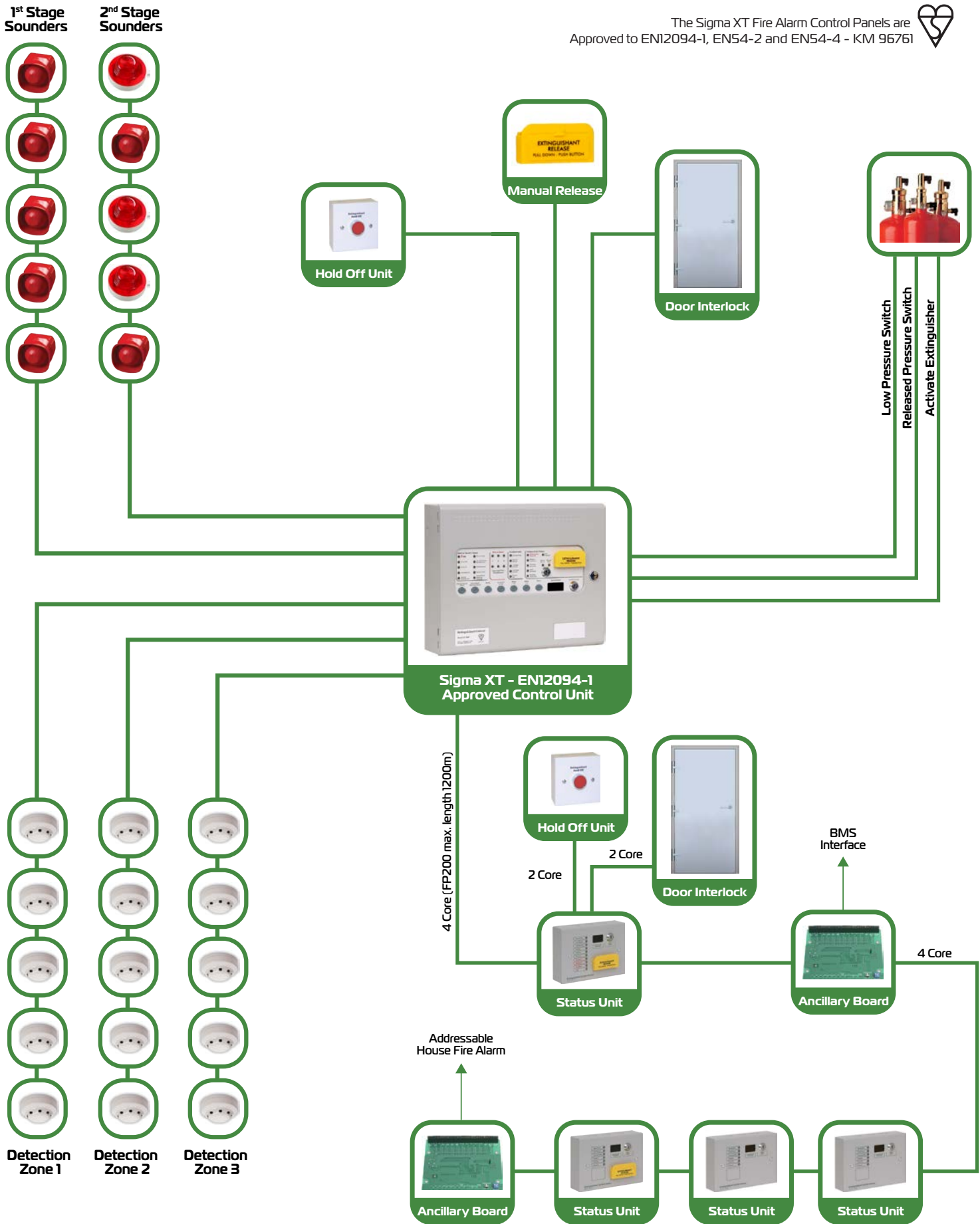
A split level function allows the top and bottom halves of the sign to be illuminated independently via separate inputs or by reversing the supply voltage allowing two stage messages to be displayed if required.

The internal buzzer can be enabled or disabled via configuration switches and it can be silenced via a two wire remote input.

The enclosure is slimline and attractively finished in a durable, neutral epoxy powder coat.

# Sigma XT Connection Diagram

The Sigma XT Fire Alarm Control Panels are Approved to EN12094-1, EN54-2 and EN54-4 - KM 96761



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