# Kentec
## Electronics Ltd

# EN Approved
# Product Overview

KM 73505
KM 96761

# Life Safety System Specialists

# Kentec Intro

Founded over 30 years ago Kentec Electronics Ltd has worked closely with their customers and end users enabling it to become a World leading life safety control systems manufacturer. The Kentec name has become synonymous with World class products, great service and excellent support. Based in the UK, Kentec is a truly global supplier, exporting control equipment to over 80 countries Worldwide and in many different languages. Kentec now manufacture products approved to EN54, NFPA, UL, FM and marine classification societies.

At the heart of our success is our philosophy of in-house Research and Development, manufacturing and continuous investment. Recent expansion of our Dartford based facility has seen the installation of a second surface mount machine, new selective solder machinery, improvements to our paint shop and in-house print room as well as multiple other improvements. All this investment has been to ensure continued high quality of product and on time delivery. With the popularity of Kentec equipment growing rapidly it has been essential to invest to meet our own high standards. Our focus is on customer service and we pride ourselves on quick turnaround and our ability to react quickly to customer requirements and market trends.

Kentec offers the most comprehensive range of conventional, analogue addressable fire detection and extinguishant control panels available. Our custom build service is also highly regarded in the industry and utilises our expertise in control panel technology to design and build high quality product to exacting customer specifications. Marine products are now an important part of our product portfolio.

At Kentec we believe that the quality of our products should be paramount; rigorous testing procedures are employed at every stage of the manufacturing process to ensure that all equipment is supplied to the highest standards. For this reason we are confident in offering an industry leading 3 years warranty on all product that we supply. We also understand that service is a key part of how a manufacturer's quality is judged. To this end we have invested extensively not only in our manufacturing facilities but in our support team including technical support and training.

Having worked closely with customers and end users for over 30 years Kentec has the experience to develop simple to use, easy to set-up panels which save commissioning engineers time and allow end users to have full confidence in the safety systems they have selected.

As part of our customer care Kentec offers first rate technical support facilities and a dedicated team of highly trained personnel provide direct telephone assistance. We also have a team of dedicated trainers who provide our customers with product training both onsite and offsite, UK and overseas. Kentec has recently kitted out and opened an additional training room to cater for the demand from customers.

# Taktis

# Taktis

Power, Intelligence......
### with a sense of feeling

The Taktis product range combines the very latest hardware and software to produce a control and indication system, which is powerful and sophisticated, yet simple to use and understand.

The large graphical touch screen provides a clear, uncluttered and intuitive interface so the end user requires minimal training.

Initially configured as a fire detection and alarm system, the flexibility of the Taktis platform is such that it can be re-configured to realise many other control and indication applications, with direct integration into intelligent buildings.

Available in 4 slot and 8 slot variants, with each slot supporting a 2 loop detection card, the Taktis fire control panel ranges from 2 to 16 detection loops.
The generous quantity of sounder circuits, relays and inputs provided as standard can be further increased by the addition of one or mode Taktis I/O plug in expansion cards.

The Taktis Network Card allows networking of up to 128 panels and repeaters meaning that Taktis can provide reassurance to all building owners/ operators whether responsible for a small system or a large complex.
Taktis Vision panels can be connected to the Taktis network to provide a fully functional repeater in a compact enclosure.

Not only do the products and services offered under the Taktis brand provide solutions to the most technically challenging applications in life safety, Taktis will deliver added value through ease of use, displaying clear information ensuring that when an event occurs appropriate action is taken swiftly.

The Taktis Media Gateway provides a means for the system to transmit real information back to our dedicated server network. This data is then accessed using the Taktis Virtual Resource (VR) software suite via a web browser.

The remote management features offered by Virtual Resource can result in reduced fault calls, improved technical support, efficient and proven maintenance, reduction of unwanted alarms, a full audit trail and improved overall service to the end user.

## Features

- Certified to EN54-2 & EN54-4

- 2 to 8 loop or 2 to 16 loop versions

- Multiple protocols supported on a single panel (in banks of two loops)

- 500 milliamp loop current

- 4 programmable sounder circuits each rated at 2.5 Amps

- 5.25 Amp or 10.25 Amp power supply options

- 3 programmable inputs

- 5 programmable relay outputs

- Up to 512 programmable I/O via optional plug in and serially connected expansion cards

- Hard wired fire and fault routing inputs and outputs

- 2 ancillary serial ports

- Modular electronics

- Over 4000 sub address points per panel

- NOT and TIME as well as COINCIDENCE, OR and AND operators in cause and effects

- Option to "invert" inputs and outputs

- Powerful, standard configuration templates

- Network up to 128 panels

- Configurable via USB port to PC or memory stick

- Expandable memory via standard SD card

- Optional Media Gateway communications card

- Modbus, BACnet and other interface options

# Sigma XT Extinguishant Control Panel

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

BS-EN12094-1
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# Syncro XT+ Multi-Area Addressable Extinguishant Control Panel

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 extinguishant areas are available. 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 a simple programming interface. 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, remote hold input & Abort input
- Monitored remote mode select (door interlock) input
- Monitored remote released pressure switch input

BS-EN12094-1
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# Sigma CP Conventional Fire Alarm Control Panels

The Sigma CP range of conventional fire control panels are high specification, fully featured control units designed for the most demanding of conventional fire detection and alarm system applications.

Sigma CP is available with two, four or eight detection zones in standard or installation saving, "two wire" versions. The extensive range of configuration features available ensure suitability for new installations or panel replacements on older systems.

Configuration options are stored in non-volatile memory and are easily accessed via an intuitive user interface which allows the configuration data to be viewed and changed simply and easily.

- Fully certified to BS EN54-2 and BS EN54-4
- 2-wire and standard versions in 2, 4 or 8 zones
- Compatible for use on BS5839: Part 1: 2002 installations
- 2-wire repeaters and ancillary boards
- Fully programmable using simple menu options
- Simple, single board construction
- Installer friendly
- Compatible with wide range of detection devices
- Two monitored sounder outputs
- 3 Amp power supply
- Auxiliary power output

BS-EN54-2
BS-EN54-4
KM 73505

# Power Supplies

The K25000 range of 24V DC power supplies are designed to meet the exacting requirements of fire detection and alarm systems and fire protection systems.

All models charge sealed lead acid batteries using sophisticated, temperature compensated charging and monitoring techniques to keep the batteries in the best possible condition.

Over depletion of batteries is prevented by a low battery voltage disconnection function which removes the load from the batteries when their terminal voltage reduces to a level which would damage them.

A low battery voltage fault warning is given when the batteries reach the minimum terminal voltage recommended by the battery manufacturers.

A high series resistance in the battery supply circuit which would allow the power supply output voltage to fall outside of the specified range is indicated as a fault condition.

K25000 power supplies can be fitted with an optional dual output board to provide redundant power paths for fire alarm applications and are available in a range of enclosures to accommodate different battery sizes.

Onboard LED indicators are provided to indicate the status of the unit and an onboard header is available to extend status signals to other systems volt free relay contact that operates upon any fault condition or total power failure.

Enclosures are designed to match both Sigma and Syncro fire panel ranges and are constructed from 1.2mm mild steel and are finished with epoxy powder coating.

The K25000 boxed range is available in the following power outputs:

K25250 range – 2.5A output and up to 12Ah batteries

K25400 range - 5.25A output and up to 26Ah batteries

K25800 range – 10.25A output and up to 45Ah batteries

# Syncro AS Analogue Addressable Fire Control Panel

Syncro AS is a versatile range of open protocol fire alarm control panels compatible with existing Syncro fire alarm panel technology.

Available with one or two detection loops capable of hosting up to 126 devices (Apollo), 240 devices (Argus Vega) or 127 devices (Hochiki). Syncro AS uses leading edge microprocessor based electronics to provide a flexible control system with high reliability and integrity.

Suitable for all small to medium sized fire detection systems, Syncro AS control panels can be expanded and networked to become part of much larger systems if the need arises, therefore providing a future proof solution for any installation.

- Expandable from 1 to 2 loops
- 16 zonal LED indicators
- 2 programmable sounder circuits
- 5 programmable inputs
- 3 programmable relays
- 3A power supply
- Large graphic display
- Real time clock
- Certified to EN54-2/ EN54-4
- Up to 512 additional programmable I/O via Syncro I/O modules
- Powerful, network wide cause and effects
- Sensitivity adjustment and Drift Compensation
- Compatible with Focus and View repeaters

BS-EN54-2
BS-EN54-4
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# Syncro View Local LCD Control Panel Repeater

Designed and manufactured to the highest standards in a quality controlled environment the Syncro VIEW fire alarm annunciator provides a simple and convenient method of extending the controls and indications of the Syncro fire alarm control panel to other locations.

The large, graphic liquid crystal display and high brightness LED indicators duplicate the indications on the Syncro fire alarm control panel at up to 15 additional locations via a simple, two-wire serial data connection.

The Syncro VIEW is available in either a 24V DC powered option (which can be powered via an additional 2 cores from the Syncro control panel/local 24V DC supply) or a 230V powered option with local battery back up.

- Up to 15 annunciators can be connected to each Syncro AS fire control panel
- Large liquid crystal display (240 x 64 pixels)
- High brightness LED indications
- Internal sounder
- Replicates all Syncro AS panel controls
- Simple, two-wire serial connection
- Small, Syncro AS style enclosure
- Removable electronics for easy installation
- 24V DC or 230V AC power options
- Low power consumption
- Multi language options
- Connection monitored by Syncro AS fire control panel