Kentec
Electronics Ltd

UL/FM Listed
Product Overview

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

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.

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

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

- UL Approval pending

- 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

Elite RS Analog Addressable Fire Control Panel

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

Available with one or two detection loops for a total of 250 primary points or 400 points using subpoints. Elite RS 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, Elite RS 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.

With its large graphical display and ergonomic button and indicator layout, the Elite RS control panel is simple and straightforward to understand for installers, commissioning engineers and end users alike.

- UL 864 9th Edition listed
- One full SLC circuit expandable to two
- 3 programmable relays
- 5.25A power supply
- Large graphic display
- Real time clock
- Compatible with eMATRIX graphics annunciator
- Powerful, network wide cause and effects (500 total). Fully user programmable by point or zone.
- Can be networked with additional RS and/ or Elite control panels
- Compatible with eVIEW Annunciator
- Programmable through a PC connection to the panel
- Stores 1000 last events in history log
- Model ranges include with or without a Dual-Line internal DACT
- 2 Programmable NAC circuits with internal synchronization support
- EN54 Approved versions also available

Elite Analog Addressable Repeaters

eMatrix

The eMatrix system uses flexible, optic light guides to illuminate areas on a floor plan, laid over a high resolution grid. This unique system dispenses completely with wiring and enables indicators to be moved, removed or added on site without the need for any wiring.

All indicators can be configured to operate upon any event type and at point, zone or group level via the powerful and intuitive Loop Explorer configuration or ESP Discovery. eMatrix can be supplied with or without LEDs and controls. Optional LEDs indicate Power on, Fire, Trouble and Disablement and optional controls are for Alarm silence, Buzzer silence, Lamp test and Reset.

eView

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

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

The eView is powered by 24V DC (which can be via an additional 2 conductors from the control panel or local 24V DC listed supply).

Up to 15 eView annunciators can be connected to each control panel on the Elite network making eView ideal where multiple points of indication and/ or control are required such as nurses stations or shop units.

Sigma A-CP Conventional Control Panel

The Sigma A-CP range of conventional fire control panels with optional built in communicator are available with 2, 4 or 8 initiating circuits which may be extensively configured via a simple front panel operated programming method.

The low standby power requirements and cost effective small batteries allow the panel to be mounted in a small discrete enclosure which is available in standard red or optionally in an attractive grey colour.

A simple programming method using just 3 front panel buttons allows an extensive list of configuration options to be set and reviewed.

The built in RS485 communications bus provides the facility to connect 4 wire annunciators or ancillary relay boards to provide further indication and control options throughout a premises.

- UL864 approved
- Two, four or eight initiating circuits Initiating circuits individually configurable as
- Fire, Water flow or Supervisory
- Two 2A notification appliance circuits
- Selectable NAC sync protocols
- Two 2.0A notification appliance circuits
- 6.5A power supply
- Alarm verification selectable by zone
- Resettable Aux power output rated at 0.3A
- Aux power configurable to power off on Fire condition
- Fire, Trouble and Supervisory relays
- Single person walk test function
- Optional DACT
- EN54 Approved versions also available

UL Approved 10.25 Amp Power Supply

The K1840 & K1841 is a UL listed, universal input switching power supply capable of delivering a full 192W of continuous power for fire alarm systems.

Suitable for charging a range of sealed lead acid batteries from 7Ah to 40Ah, the K8140 & K1841 power supply features complete monitoring of primary and secondary power sources with fully temperature compensated battery charging and battery high impedance monitoring.

- Continuous 8A load output while charging fully depleted batteries
- Charges up to 40Ah batteries
- Listed to UL 1481 & 864
- 120V to 240V AC input
- AC fail monitoring with LED indication and output
- Battery disconnection monitoring with LED indication and output
- Low battery monitoring with LED indication and output
- Dynamic Earth fault monitoring with LED indication and output
- Deep-Discharge Prevention
- Temperature compensated battery charging
- Battery Boost Circutry
- EN Approved Power Supplies also available

Sigma A-XT Extinguishant Control Panel

Designed and manufactured to the highest standards in a quality controlled environment and with UL and FM approvals, the Sigma A-XT releasing panel offers outstanding value and performance for all small to medium fixed firefighting installations.

With three initiation circuits as standard, 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 A-XT allow the functionality of the system to be extensively modified.

- UL864 and FM listed
- Three initiation circuits as standard
- Any single zone or any combinations of zones can be configured to release
- Configurable first stage NAC 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 releasing delays up to 60 seconds in 5 second steps
- Configurable releasing duration up to 5 minutes in 5 second steps
- Countdown timer shows time remaining until release
- Supports up to seven status indicators (repeater units)
- Built in Extract Fan control
- EN54 Approved versions also available

Sigma A-Si Extinguishant Status Indicators

The Sigma A-Si range of status indicators provide detailed status information for Sigma A-XT releasing control equipment.

All models provide high brightness, LED indication of Manual Only, Automatic and Manual, Abort operated, Disabled, Imminent and Released conditions. Models are also available with zonal fire indicators and a common trouble indicator.

For systems where local control of the Automatic/Manual mode and or a Manual extinguishant release control are required, units are available with these controls fitted.

All models have supervised inputs for the remote connection of Automatic/ Manual mode and abort switches. All units contain a large, LED display which shows a countdown of the time remaining until release in seconds.

- UL864 and FM listed
- High brightness LEDs
- Detailed indication of the status of the control panel
- Supervised data connection
- Countdown timer shows time remaining until release
- Manual only and Automatic & Manual mode select keyswitch option
- Four wire connection (data and power)
- Protected dual action manual release switch option
- Option for zonal fire and trouble indication with buzzer
- Robust, high quality enclosure
- Easy access to terminals
- Remote Auto/Manual door interlock input (supervised)
- Remote Abort input (supervised)
- Internal trouble diagnosis indicators