



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



Syncro AS

Analogue Addressable System
Powerful, Expandable, Versatile



BS EN54-2 : 1998
BS EN54-4 : 1998
KM 73505

Each loop is capable of hosting up to: 126 devices (Apollo) or 240 devices (Argus Vega) or 127 devices (Hochiki)

Loop 1 **Loop 2**
(if fitted)

A mixture of up to 32 devices (including Syncro View, Ident and Matrix) can be fitted to each panel on the RS485 serial interface. The maximum number of Syncro View panels on a single RS485 serial interface is 15.

Each loop is capable of hosting up to: 126 devices (Apollo) or 240 devices (Argus Vega) or 127 devices (Hochiki)

COMING SOON

Ocular
Graphical User Interface for fire Detection Equipment

Supports all Syncro I/O modules.

RS232

RS485

Control panels are supplied with 1 or 2 detection loops.

Supports all Syncro I/O modules.

RS232 RS485

Syncro Matrix
Fire Alarm Mimic Display System

24V DC or 230V AC

Syncro Ident
Programmable LED Indication Panels

24V DC or 230V AC

Syncro View
Local LCD Repeater

24V DC or 230V AC

K545
4 Way Conventional Zone Board

24V DC

K546
6 Way Sounder Board

24V DC

K547
8 Way Relay Board

24V DC

K560
16 Channel I/O Board

24V DC

Syncro AS
Analogue Addressable Control Panel

K555 Network Card Required

High Integrity Configurable Network

Syncro AS
Analogue Addressable Control Panel

K555 Network Card Required

Syncro Focus
Network LCD Repeater

24V DC or 230V AC

Syncro Focus +
Network LCD Repeater

24V DC or 230V AC

Up to 64 Panels/Repeaters can be added to the network.

The Syncro system is compatible with Apollo, Argus Vega and Hochiki protocols. Panels of any of the above protocols can be used on the same network.

24V DC or 230V AC

Syncro AS
Analogue Addressable System
Powerful, Expandable, Versatile

The Syncro AS Fire Alarm Control Panels are Approved to BS EN54-2 and BS EN54-4 - KM 73505



Features

- 16 zonal LED indicators
- 2 programmable sounder circuits
- 5 programmable inputs
- 3 programmable relays
- 3A power supply
- Large graphic display
- Real time clock
- Expandable from 1 to 2 loops*
- 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
- Can be networked with Syncro control panels *
- Compatible with Focus and View repeaters *
- Supports Apollo, Argus Vega and Hochiki protocols
- Same look and feel as Syncro range
- Stores 500 last events in event log

- Dial up modem connection available
- Compact, stylish enclosure
- Installer friendly, removable equipment chassis
- Different language and character set variants available

Fully EN54-2 and EN54-4 compliant improved front loading Printer option, only available in an M3 size enclosure. * **

* These items not available on Syncro AS Lite panel

** Not CP-R approved. If you are based in the EU and require a Printer option please view datasheet 85.

Config Features

- Comprehensive day/night mode facility
- Programmable one touch test mode
- Powerful and versatile cause & effect programming
- Cause & effect wizard including:
 - Cause & effect action
 - Disablement configuration
 - Test mode configuration

Panels

Product Code	Protocol	Zones	Loops	Printer	Size (mm)
A80161M2	Apollo	16	1	No	385 x 310 x 90
A80162M2	Apollo	16	2	No	385 x 310 x 90
A80161M3	Apollo	16	1	No	385 x 520 x 110
A80162M3	Apollo	16	2	No	385 x 520 x 110
A80161M3P	Apollo	16	1	Yes	385 x 520 x 110**
A80162M3P	Apollo	16	2	Yes	385 x 520 x 110**
V80161M2	Argus Vega	16	1	No	385 x 310 x 90
V80162M2	Argus Vega	16	2	No	385 x 310 x 90
V80161M3	Argus Vega	16	1	No	385 x 520 x 110
V80162M3	Argus Vega	16	2	No	385 x 520 x 110
V80161M3P	Argus Vega	16	1	Yes	385 x 520 x 110**
V80162M3P	Argus Vega	16	2	Yes	385 x 520 x 110**
H80161M2	Hochiki	16	1	No	385 x 310 x 90
H80162M2	Hochiki	16	2	No	385 x 310 x 90
H80161M3	Hochiki	16	1	No	385 x 520 x 110
H80162M3	Hochiki	16	2	No	385 x 520 x 110
H80161M3P	Hochiki	16	1	Yes	385 x 520 x 110**
H80162M3P	Hochiki	16	2	Yes	385 x 520 x 110**

* For versions with no enable control keyswitch, replace the 0 in the part number with a 1 for example, A80161M2 becomes A81161M2.

** Not currently CP-R approved. If you require a Printer with a Syncro AS panel please view Datasheet 85.

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.

Connectivity

Syncro AS connects seamlessly to other Syncro AS, or Syncro multi-loop panels and repeaters via the fully fault tolerant and robust Syncro network.


The Syncro AS supports all Syncro serial bus peripherals such as View repeaters, 16 channel I/O boards, Relay boards, Sounder boards and Conventional Zone boards to provide an additional 512, fully programmable points.

16 zonal LED indicators are provided as standard and the panel will support up to 500 network wide software zones as per Syncro multi-loop panels.

Zone Indicators

16 zonal LED indicators are provided as standard and the panel will support up to 500 network wide software zones



A white, rectangular control panel for fire alarm systems. It features a green LCD display at the top left showing the date 'April 2013' and 'Limited'. Below the display is a row of 16 indicator lights, numbered 10 to 16. To the right of the display is a directional keypad with four arrow keys (1, 2, 3, 4) and a central button with a question mark. Below the keypad are four buttons labeled 'Exit', 'Enter', 'More Fires', and 'More Events'. To the left of these buttons are two more buttons labeled 'Function' and 'Enable Control'. A keyhole is located to the right of the 'Function' and 'Enable Control' buttons. At the bottom of the panel, there is a rectangular slot for a printer.

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

An integral three Amp power supply and temperature compensated battery charger provides ample power for the two, 1 Amp rated standard sounder outputs, loop powered sounders and other devices.

Ease of Installation

The elegant and simple construction of the panel enables the chassis to be completely dismantled by removing just two screws. The outer cover can also be detached by removing two hinge pins making first fix installation very simple and enabling the sensitive electronic parts to be stored safely for re-fitting at the commissioning stage.

Syncro AS combines compact and practical styling with the programming power and connectivity normally associated with much larger systems.

Printer Option

A 40 character front loading thermal printer option available with larger size enclosures. Please note this option is not CP-R approved.

Technical info

Construction	- 1.2mm mild sheet steel
IP Rating	- IP30
Finish	- Epoxy powder coated
Colour - lid & box	- BS 00 A 05 grey - fine texture
Colour - controls plate & labels	- RAL 7047 light grey - satin
Weight	- 6kg (standard panel)
Display	- 8 lines of 40 characters graphic LCD
Mains voltage supply	- 110 or 230V AC 50 or 60 Hz. (specify when ordering, default is 230V)
Mains supply fuse	- 1.6A 250V
Power supply DC rating	- 24V 3 Amps
Aux 24V supply	- Fused at 500 milliamps
Maximum Battery size	- 9Ah 12V (2 per panel) (non-networked)
Fault contact rating	- 30V DC 1 Amp
Fire contact rating	- 30V DC 1 Amp
Alarm contact rating	- 30V DC 1 Amp
Sounder output rating	- Fused at 1 Amp each
Detection loop	- 400 milliamp output
Detector protocols	- Apollo (S90, XP95, Discovery), Argus Vega or Hochiki ESP
Printer port	- Serial RS232
Serial expansion port	- Serial RS485 (Compatible with all Syncro I/O modules)
PC port	- Serial RS232
Network connection	- RS485 - Up to 64 panels via fully fault tolerant optional network card
Remote Silence input (SIL)	- Switched -ve
Remote fault input (FLT)	- Switched -ve
Remote reset input (RES)	- Switched -ve
Remote alert input (INT)	- Switched -ve
Remote evacuate input (CNT)	- Switched -ve
Download lead	- Standard S187, X187LS economy
Configuration	- Via Loop Explorer PC utility
PC graphics	- Via Guide systems
Modem	- Optional dial up modem for remote diagnostics (Can be fitted to M3 size enclosure only)

Kentec Electronics Ltd

Units 25-27 Fawkes Avenue Questor Dartford Kent DA11JQ England

T +44 (0)1322 222121 **F** +44 (0)1322 291794 **E** sales@kentec.co.uk **W** www.kentec.co.uk