



Analogue Addressable Fire Control Panel

Syncro **AS**

Introduction

Syncro AS is an analogue addressable fire control panel, available in either one or two detection loops. It combines compact and practical styling with the programming power and connectivity normally associated with much larger systems.

Being a multi-protocol panel, Syncro AS supports Apollo, Argus Vega and Hochiki detection, making it ideal for small and medium sites that require advanced fire sensing and evacuation options. Fully scalable and networked to become part of much larger systems if the need arises, it provides a solution for any size of installation.



Syncro AS Features

- > Expandable from one to two loops*
- > Network up to 64 panels*
- > Two programmable sounder circuits
- > Five programmable inputs
- > Three programmable relays
- > 3A power supply
- > 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 View repeaters*
- > Supports Apollo, Argus Vega and Hochiki protocols
- > Stores 500 last events in event log
- > Installer friendly, removable equipment chassis
- > Different language and character set variants available
- > Approved and certified to EN54-2/EN54-4

*These items not available on Syncro AS Lite panel

Product Overview

Ease of Use

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.

Easy to Install

For installers, we have designed the panel to be easy to install. The elegant and simple construction 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 straightforward, and enabling the sensitive electronic parts to be stored safely for re-fitting at the commissioning stage.

Flexibility

Using leading edge microprocessors, its electronics provide a flexible control system with high reliability and integrity.

Zone Indicators

500 zones displayed on the screen with the first 16 zones shown by the indicator lights.

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.

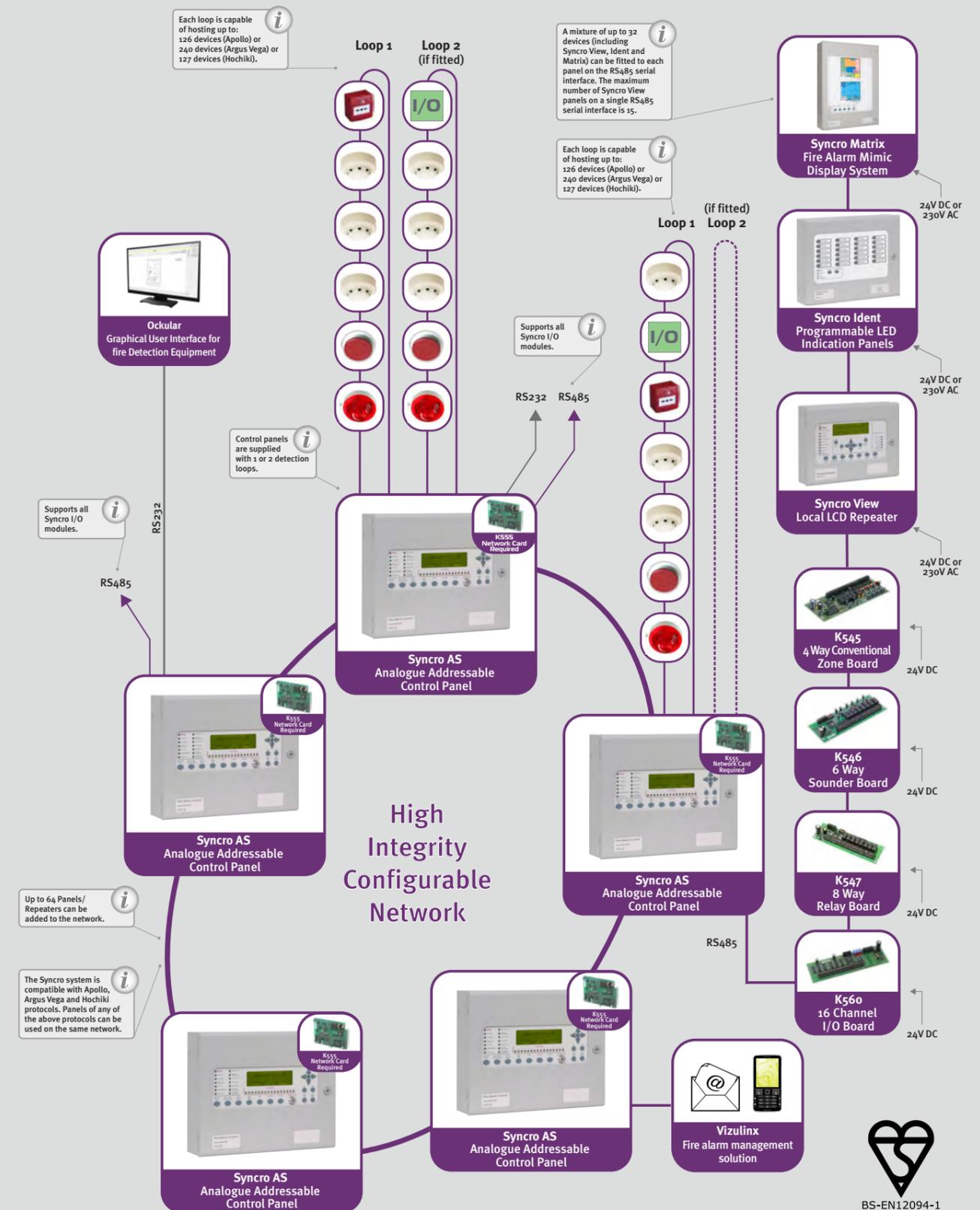
The Syncro AS supports all Syncro serial bus peripherals such as View repeaters, 16 channel I/O boards, Relay boards, Sounder boards and Conventional Zone boards to provide an additional 512, fully-programmable points.

Power Supply

An integral 3 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.

If you require a printer with a Syncro AS panel please view Datasheet 85.

Syncro AS Analogue Addressable System Diagram



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 – eight lines of 40 characters graphic LCD
- > Mains voltage supply – 110 or 230V AC 50 or 60 Hz. (230V is supplied as standard, please specify when ordering for 110V)
- > 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), Hochiki or Argus Vega
- > 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
- > Graphics – available on request

Company Overview



Kentec Electronics is one of the world's leading life safety solutions manufacturers of conventional, analogue addressable fire detection and extinguishant control panels.

Founded in 1985, Kentec is an end-to-end manufacturer, with everything sold being made in the UK. It employs approximately 230 members of staff in its production facility, head office and research and development department.

In addition to design and manufacture, Kentec provides technical support specified to the local standards and customer requirements of over 90 countries worldwide. With a commitment to meeting the needs of individual national markets, Kentec has achieved a global reputation, resulting in its life safety systems being installed in numerous prestigious sites across the world.

Kentec manufactures products approved to EN54, EN12094, UL, FM, NFPA and marine classification societies.



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