



BS EN54-2  
BS EN54-4  
KM 73505



Model No. EN#6396403

## Analogue Addressable Fire Control Panels

A powerful range of analogue addressable control panels to suit all sizes of system.



(Also backward-compatible with Series 90 detectors)



### Panel Features

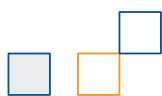
- 2 or 4 loop versions as standard
- Loopless panel option (repeater)
- 0, 16, 48, or 96 zone indicators
- Fully supports Apollo, Argus Vega & Hochiki protocols
- Network up to 64 panels/repeaters
- 4 programmable sounder circuits as standard
- 4 amp power supply to EN54 part 4
- Large graphic display
- In built help and alarm information screens
- Complies with EN54-2/4
- Real time clock
- Supports Apollo, Argus Vega and Hochiki loop powered sounders and beacons
- Supports Apollo Ancillary Base Sounder
- Supports Apollo Intelligent Beam
- Stylish enclosure design
- Soft-touch tactile buttons
- 2 programmable function buttons
- 3 programmable front panel mounted LED's
- Thermal printer (optional)
- Up to 512 programmable inputs/outputs per panel via 2 wire RS485 serial link (optional)
- Simple Windows® graphical configuration utility

### 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
  - Disabling configuration
  - Test mode configuration

### Product Overview

- Available with 2 or 4 detection circuits, each capable of hosting up to 126 devices (Apollo), 240 devices (Argus Vega) or 127 devices (Hochiki). Syncro uses the most advanced microprocessor technology to provide a control system of extremely high integrity.
- Syncro can be configured to suit all types of system, from the most simple, to the highly complex. Its fully integrated and secure network provides an intelligent interface for building control.
- A large area graphic display ensures that information is presented in plain language with detailed extra help available by pressing a 'help' button.
- Syncro supports three of the most widely used communication protocols produced by leading fire detector manufacturers and employs daily calibration routines to ensure that the system is always at optimum performance.



# Specifications

DS16.11.2007

# Technical

## Plug-ins

Product Code	Description
<b>S552#</b>	Loop extension card (loops 3 & 4)
<b>S555</b>	Fault tolerant Network interface card
<b>K232SYN</b>	Thermal printer kit (for retrofitting to non-printer models)
<b>S560</b>	16 channel input/output board
<b>S547</b>	8 way relay extender board
<b>S546</b>	6 way sounder extender board
<b>S545</b>	4 way conventional detection zone board
<b>S556P</b>	Modem module (PSTN)

'#' - replace with 'A' for Apollo protocol, 'V' for Argus Vega protocol or 'H' for Hochiki protocol.

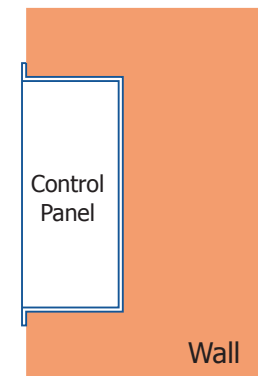
## Panels

	Product Code	Loops	Zones	Size (mm)
2 Loop Panels	<b>EN#6300203</b>	2	0	500 x 355 x 117
	<b>EN#6316203</b>	2	16	500 x 355 x 117
	<b>EN#6348203</b>	2	48	500 x 355 x 117
	<b>EN#6396203</b>	2	96	500 x 355 x 117
4 Loop Panels	<b>EN#6300403</b>	4	0	500 x 355 x 117
	<b>EN#6316403</b>	4	16	500 x 355 x 117
	<b>EN#6348403</b>	4	48	500 x 355 x 117
	<b>EN#6396403</b>	4	96	500 x 355 x 117

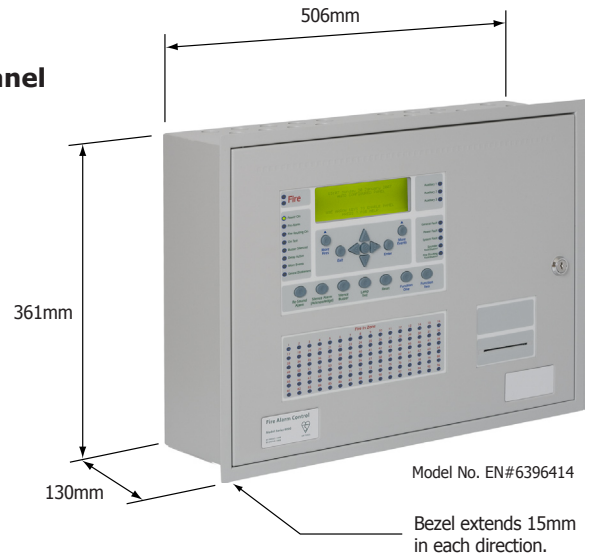
'#' - replace with 'A' for Apollo protocol, 'V' for Argus Vega protocol or 'H' for Hochiki protocol. Flush versions are available to order (See price guide). For fitted printer add 'P' after stock code.

- Finish (lid & box) - BS 00 A 05 mid grey fine texture
- Finish (product labels) - RAL 7047 light grey satin
- Detection circuits (Loops) - 2 or 4 (400mA each)
- Zone LED's - 0, 16, 48, or 96 (up to 500 software zones)
- Display - 240 x 64 pixels graphic LCD
- 4 sounder circuits - each fused at 1 Amp (total load 2 Amp)
- Fire contact - volt free 1 Amp 30V DC
- Alarm contact - volt free 1 Amp 30V DC
- Fault contact - volt free 1 Amp 30V DC
- Programmable relay 1 - volt free 1 Amp 30V DC
- Programmable relay 2 - volt free 1 Amp 30V DC
- Fire routing output - monitored-voltage reversing, fused at 500mA
- Fault routing output - monitored-voltage reversing, fused at 500mA
- Extinguisher output - monitored-voltage reversing, fused at 1A
- Fault input - volt free contact input signals fault
- Reset input - volt free contact input resets panel
- Intermittent input - volt free contact input pulses sounder outputs
- Continuous input - volt free contact input for continuous sounders
- Silence input - volt free contact input silences sounders
- Programmable input 1 - volt free contact for any action required
- Programmable input 2 - volt free contact for any action required
- Programmable input 3 - volt free contact for any action required
- Auxiliary 24V DC output - fused at 500mA
- System fuse - 5 Amp self-resetting polyfuse
- Mains fuse - 20mm 3 Amp
- Operating Temperature - -5 to +50 deg. C
- Operating humidity - to 95% (non-condensing)
- Mains voltage supply - 110 or 230V AC 50 or 60 Hz. (specify when ordering, default is 230V)
- Battery (24 hour standby) - 12Ah 12V (2 per panel) (non-networked)
- Day/night modes - 2 with variable device sensitivity
- Input delays - individual for each device selectable up to 2 minutes
- Output delays - individual 2-stage to 5 minutes per stage
- 2 programmable function buttons - programmable to carry out any cause & effect, disablement or test action
- 3 programmable indicators - red/yellow/green to indicate any action
- Network (option) - up to 64 panels on 2 wires (S555 Network Card required)
- Printer (option) - 40 column thermal
- Download lead - S187 (standard) or X187LS (economy)

## Flush Syncro Control Panel



Flush mount cross section



**Note:** There is one size for all standard flush Syncro control panels. For the hole size we recommend that you allow 5mm clearance all round.



Certificate No. FM 32987  
BS EN ISO 9001: 2000



Certificate No. 360  
BS EN ISO 9001: 2000