

# Syncro AS

## Analogue Addressable 1 or 2 Loop Control Panels



BS-EN54-2  
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.

xplorer

XP95

DISCOVERY

ARGUS SECURITY

(Also backward-compatible with Series 90 detectors)

series90

HOCHIKI  
ESL  
COMPATIBLE

### Product Overview

- 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.
- 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.

### 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



Model No. #80161M2

## 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.

## Lite Panels

Product Code	Protocol	Zones	Loops	Printer	Size (mm)
LA80161M2	Apollo	16	1	No	385 x 310 x 90
LV80161M2	Argus Vega	16	1	No	385 x 310 x 90
LH80161M2	Hochiki	16	1	No	385 x 310 x 90

## Options

### Product Description Code

K555	Fault tolerant Network interface card
K560	16 channel input/output board
K547	8 way relay extender board
K546	6 way sounder extender board
K545	4 way conventional detection zone board
K556P	Modem module (PSTN) (M3 size enclosure only)
K768AS	Printer Module - New front loading feature (M3 size enclosure only)
K18002	Retrofit Vision Window Door (M2 size enclosure only)
B3472	Thermal Printer Paper Roll

## Technical

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