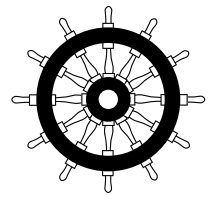


# Syncro ASM

## Marine & Offshore Analogue Addressable 1 or 2 Loop Control Panel



### Product Overview

- The Marine & Offshore Syncro ASM is a versatile range of open protocol fire alarm control panels compatible with existing Syncro fire alarm panel technology.
- Hosting up to 126 Apollo and 127 Hochiki fire detection devices and modules per loop, Syncro ASM uses leading edge microprocessor based electronics to provide a flexible control system with high reliability and integrity.
- Suitable for all small to medium sized vessels, Syncro ASM 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 vessel.
- With its large graphical display and ergonomic button and indicator layout, the Syncro ASM control panel is simple and straightforward to understand for installers, commissioning engineers and end users alike.

### Features

- 16 zonal LED indicators
- 2 programmable sounder circuits
- 5 programmable inputs
- 3 programmable relays
- 3A power supply
- Large graphic display
- Real time clock
- Powerful, network wide cause and effects
- Sensitivity adjustment and Drift Compensation
- Apollo and Hochiki protocol
- Same look and feel as Syncro range
- Stores 1000 last events in event log
- Compact, stylish enclosure
- Installer friendly, removable equipment chassis
- Different language and character set variants available
- Fully EN54-2 and EN54-4 compliant



### 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)
MA80161M2	Apollo	16	1	No	385 x 310 x 90
MA80162M2	Apollo	16	2	No	385 x 310 x 90
MH80161M2	Hochiki	16	1	No	385 x 310 x 90
MH80162M2	Hochiki	16	2	No	385 x 310 x 90

## Technical

<b>Construction</b>	- 1.2mm sheet steel
<b>IP Rating</b>	- IP30
<b>Enclosure finish</b>	- BS 00 A 05 light grey textured
<b>Mains voltage supply</b>	- 230V AC 50 or 60 Hz.
<b>Display</b>	- 8 lines of 40 characters graphic LCD
<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>Battery (24 hour standby)</b>	- 7Ah 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 protocol</b>	- Apollo Discovery and 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

