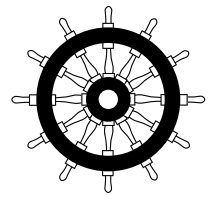# Syncro ASM

Marine & Offshore Analogue Addressable 1 or 2 Loop Control Panel

Product Overview

O The Marine & Offshore Syncro ASM is a versatile range of open protocol fire alarm control panels compatible with existing Syncro fire alarm panel technology.

O 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.

O 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.

O 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

O 16 zonal LED indicators

O 2 programmable sounder circuits

O 5 programmable inputs

O 3 programmable relays

O 3A power supply

O Large graphic display

O Real time clock

O Powerful, network wide cause and effects

O Sensitivity adjustment and Drift Compensation

O Apollo and Hochiki protocol

O Same look and feel as Syncro range

O Stores 1000 last events in event log

O Compact, stylish enclosure

O Installer friendly, removable equipment chassis

O Different language and character set variants available

O Fully EN54-2 and EN54-4 compliant

Config. Features

O Comprehensive day/night mode facility

O Programmable one touch test mode

O Powerful and versatile cause & effect programming

O Cause & effect wizard including:

  O Cause & effect action

  O Disablement configuration

  O 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

Construction	-	1.2mm sheet steel
IP Rating	-	IP30
Enclosure finish	-	BS 00 A 05 light grey textured
Mains voltage supply	-	230V AC 50 or 60 Hz.
Display	-	8 lines of 40 characters graphic LCD
Mains supply fuse	-	1.6A 250V
Power supply DC rating	-	24V 3 Amps
Aux 24V supply		Fused at 500 milliamps
Battery (24 hour standby)	-	7Ah 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 protocol	-	Apollo Discovery and 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

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