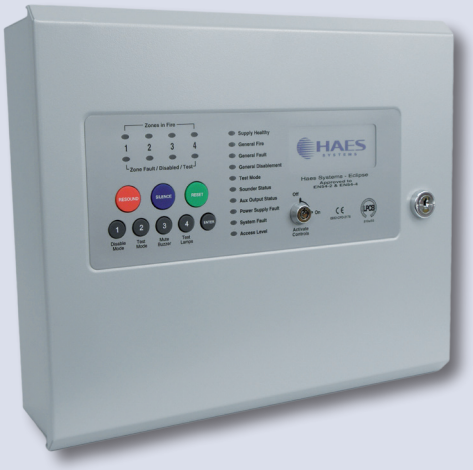
ESENTO MARINE

2-4 ZONE
MARINE APPROVED FIRE CONTROL PANEL



Quality, reliability, ease of use and feature rich are attributes that are consistent across the entire range of Haes fire alarm control panels. The Esento Marine 2 & 4 zone encompasses all of these attributes to provide a panel that meets a variety of needs.

For the fire alarm engineer the Esento Marine has been designed to minimise labour costs. There is ample room for wiring, changing batteries and clear indication while the one man walk tests will help reduce the cost of maintaining the fire alarm system.

Simplicity was one of the most important aspects when considering the end user of a fire alarm panel. The colour coded buttons and the 3 step silence functionality gives non technical people the confidence to correctly manage their fire alarm system.

Esento Marine control panels come with a large range of engineering features, including, programmable functions for both zones and sounder circuits, false alarm management mode and muster alarm.

Features at a glance

- **2 or 4 zone**
- **False alarm management mode**
- **Muster alarm**
- **Smart design, easy to install, commission & service**
- **User friendly colour coded buttons**
- **Inputs for sounder ringing and pulsing**
- **Fire & fault relays**
- **2 monitored sounder circuits**
- **One man walk test**
- **Key-switch or code entry for activation of controls**
- **Fault diagnostics mode**
- **Approved to module B & D**

MED Ref: 0832/15

Models	Description
ESEN-2MAR	2 zone
ESEN-4MAR	4 zone

+44 (0) 1895 424505

Compatibility

Haes Esento Marine panels support the Orbis Marine range of detectors.

False alarm mode requires a 220Ω 'Evacuate' call point for EN54 compliance.

Main Features

- 2 or 4 zones
- Activate controls via keyswitch or code entry
- Soft tactile buttons for controls & programming
- Compatible with Orbis Marine detectors
- Integral detector removal monitoring
- Earth fault monitoring
- 1.25 Amp switch mode power supply Nom 27V DC
- 2 monitored sounder outputs
- 2 Aux C/O relays (1 x Fire) (1 x Fault) voltage free
- Class change I/P
- Alert (pulsing) I/P
- Fire & fault switched -ve outputs
- False alarm mode
- Muster alarm
- Test mode, with or without sounders
- Disable zones, sounder O/Ps & Aux O/Ps
- Alarm load, 800mA shared between all sounder outputs
- All sounder circuits are fused @ 500mA with resettable fuses.

External Indications - Level 1

- Zones in Fire
- Zones in Fault, Disabled or in Test Mode
- Supply Healthy
- General Fire
- General Fault
- General Disablement
- Test Mode
- Sounder Status
- Aux Output Status
- Power Supply Fault
- System Fault
- Access Level

External Controls - Level 2

- Keyswitch or code entry 'activate controls'
- Colour coded buttons for controls and programming
- Button functions:
  - Resound
  - Silence
  - Reset
  - Disable Mode
  - Test Mode
  - Mute Buzzer
  - Test Lamps
  - Enter

Internal Controls

- PSU Voltage adjustment
- DIL switches:
  - Access level 3 mode

Access Level 3 Options

- Select sounder resound options for zones (EN54 requirement)
- Select Type 'A' dependency per zone
- View / edit dependency functions
- Set muster alarm zone(s)
- Revert panel to factory settings
- Set buzzer volume
- Change keypad access code
- Non latching zones
- Short circuit as alarm zones
- Intrinsically safe zones
- Program O/Ps to cancel on Silence Alarms
- Program sounder circuit responses

Cabinet

- Mild steel, lockable, 20mm knockouts
- Colour ref: Radon MW334E Interpon powdercoat
- Back box = 300mmW x 250mmH x 80mmD
- Lid = 308mmW x 260mmH x 23mm (Return)
- Max battery size = 2 x 3.2Ah, 12v, SLA

Haes Systems Limited
Columbia House
Packet Boat Lane
Cowley Peachey
Uxbridge
UB8 2JP
United Kingdom

Tel: +44 (0) 1895 422066
Fax: +44 (0) 1895 420603
Direct Sales Line: +44 (0) 1895 424505
Email: enquiries@haes-systems.co.uk
Web: www.haes-systems.com

Company Registration No. 1146067 UK

Assessed to ISO 9001
LPCB Ref. No. 810

Data Sheet DS0045 Issue 3.0