

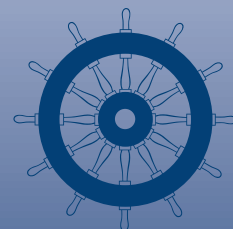
# ESENTO<sup>®</sup>

## MARINE

### 8 - 12 ZONE MARINE APPROVED CONVENTIONAL FIRE CONTROL PANELS



- 8 or 12 zones
- Muster alarm feature
- 3 modes to manage false alarms
- Programmable output delays
- Programmable inputs & outputs
- One man walk test
- Key switch or code entry access control
- 4 monitored sounder circuits
- Fully functional repeater panel
- Approved to module B & D



MED Ref: 0832/15

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The Esento Marine range from Haes has been exclusively developed to address the issues of limited form and function in the conventional panels market for use at sea. Designed with the severity of the potential situation in mind, these panels are equipped with programmable delays to outputs which allow time for an investigation before invoking a full evacuation or muster alarm. Not only does this new feature-rich panel mitigate false alarms with three false alarm management mode options, it also contains additional components within the casing to ensure it's not disrupted by increased vibrations encountered during a journey.

## PROGRAMMABLE OUTPUT DELAYS

The 8-12 zone panel has an in built delay timer which can be applied to any or all zones and can be used to allow for an investigation before invoking a full evacuation or muster alarm.

In addition, individual outputs or sounder circuits can be set to be operational during the delay. These can then be used to indicate the alarm condition in staff areas or as required.

## Programming Features

- Set delays to outputs
- Muster alarm zones
- 3 x False alarm management modes
- All inputs, outputs, relays and sounder circuits are independently programmable
- Disable zones, sndr ccts, aux & delays
- Non latching zones

### Technical Specifications

No of zones	8 or 12
Cabinet size	460mm W x 310mm H x 85mm D
Battery capacity	Min: 2 x 3.2Ah 12v SLA, Max: 2 x 7Ah 12v SLA
Sounder circuits	4
Power Supply	3 amp switch mode

## Muster Alarm

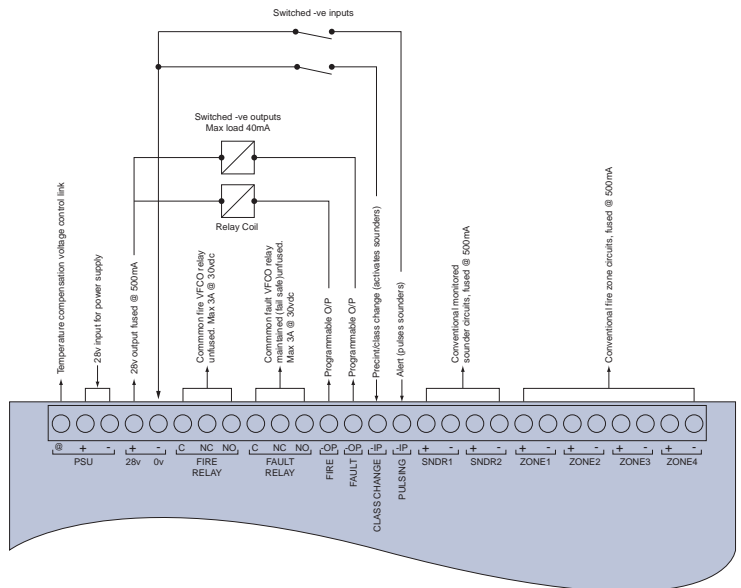


Muster alarm is a feature whereby the sounders emit a sequence of alerts defined as seven short activations of the alarms followed by a longer activation, recognised by the ships crew as a 'General Emergency Alarm'.

Individual zones can be programmed to be a muster alarm zone. It is also possible to program the 'RESOUND' button on the front of the panel to activate a muster alarm.

### Order Codes

ESEN-8MAR	Control panel, 8 zones
ESEN-12MAR	Control panel, 12 zones
TPCA04-S	Standard zone extension card
TPCA04-H	Hi Spec zone extension card
ESEN-R-12MAR	12 zone fully functional/passive repeater panel
TPC-A05VDR	Voyage data recorder interface card
FMK-XLEN	Recessing bezel for control panels
FMK-ECL	Recessing bezel for repeater panel



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