

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	Haes Technologies Ltd
Address	Unit 3, Horton Industrial Park, West Drayton, UB7 8JD, United Kingdom
Place of Production	Haes Technologies Ltd Unit 3, Horton Industrial Park, West Drayton, UB7 8JD, United Kingdom
Type	Fire And Gas Detection Alarm And Control Systems
Description	Fire Alarm Panel ESEN-2MAR (2 zone) Conventional CIE ESEN-4MAR (4 zone) Conventional CIE ESEN-8MAR (8 Zone) Conventional CIE with zone expansion board ESEN-12MAR (12 Zone) Conventional CIE with zone expansion board ESEN-R-12MAR (12 zone) Marine Repeater Panel
Application	Fixed marine, shipboard and offshore installations
Specified Standard	EN 54-2:1997 + A1:2006, EN 54-4:1997 + A1:2002 + A2:2006 EN 50130-4:2001, BS IEC 60092-504:2001, BS IEC 60533:1999 Lloyd's Register Type Approval Specification ENV2 Ingress Protection Category IP40

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document LR2162171TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.