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 Certificate No:
 LR2162171TA

 Issue Date:
 22/10/2020

 Expiry Date:
 21/10/2025

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.

Matt Higgins

Senior Electrical Specialist to Lloyd's Register FMFA

A member of the Lloyd's Register group

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