Certificate No: LR2045970TA
Issue Date: 25/12/2020
Expiry Date: 24/12/2025

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	**Hakko Electronics Co., Ltd.**
Address	890-1, Kamikashiwano-machi, Hakusan-shi, Ishikawa, 924-0035, Japan
Place of Production	Hakko Electronics Co., Ltd. 890-1, Kamikashiwano-machi, Hakusan-shi, Ishikawa, 924-0035, Japan
Type	Control Systems
Description	Programmable Display MONITOUCH V9 Series
Trade Name	Programmable Display MONITOUCH V9 Series (See Appendix for more details)
Application	Marine and offshore applications for use in environmental categories ENV2 & ENV3 in the "Bridge and Deck Zone" as defined in LR Type Approval System Test Specification No. 1-2019 where the Test Specification is satisfactory for the intended operation.
Ratings	24Vd.c.
Additional Tests	Salt mist test Enclosure Test : IP56, IP2X IACS Unified Requirement E10 Rev.7
Other Conditions	1. The certificate attests to the hardware's suitability for the environmental categories stated.

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Toshihiro Shigeno

Innovation / Type Approval Coordinator and Senior Surveyor to Lloyd's Register Group Ltd
A member of the Lloyd's Register group

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

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2. Suitability of the software and system configuration is subject to a separate approval according to the Lloyd's Register Rules and Regulations when placed on Lloyd's Register classed vessels.

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 Group Ltd of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document LR2045970TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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