

TYPE APPROVAL CERTIFICATE

DNV·GL

This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the DNV GL Type Approval System.

Certificate No. **86 346 - 09 HH**

Company **Hochiki Europe (UK) Ltd.**
Grosvenor Road, Gillingham Business Park
Gillingham, Kent ME8 0SA, UNITED KINGDOM

Product Description **Addressable Smoke Detector, Addressable Heat Detector, Short circuit isolator, Addressable Manual Call Point , Addressable Input / Output Devices**

Type **ALN-ENM, ACC-ENM, ATJ-ENM, YBN-R/3M, YBO-R/SCIM, HCP-EM(SCI), HCP-WM(SCI), CHQ-DRC/M(SCI), CHQ-DIM/M(SCI), CHQ-DSC/M(SCI), CHQ-SZM/M(SCI)**

Environmental Category **C, EMC1**

Technical Data / Range of Application **Manual Call Point**
HCP-EM(SCI): Manual Call Point with Short-Circuit Isolator, Type A
HCP-WM(SCI): Waterproof Manual Call Point with Short-Circuit Isolator, Type A

Heat Detector
ATJ-ENM: Combined Rate of Rise & Fixed Temperature Heat Detector (Class A1) Compatible Base
YBN-R/3M: Electronics Free Mounting Base
YBO/SCIM: Short Cricuit Isolator Base
MBB-1: Marine Back Box

ACC-ENM: Temperature Heat Multi Detector (Class A1) Compatible Base
YBN-R/3M: Electronics Free Mounting Base
YBO/SCIM: Short Cricuit Isolator Base
MBB-1: Marine Back Box

Test Standard **Guidelines for the Performance of Type Approvals Chapter 2, Edition 2012**
EN 54-5 (2000) incl. A1, EN 54-7 (2000) incl. A1+A2, EN 54-11 (2001) incl. A1, EN 54-17/8 (2005) including AC(2007)

Documents **Test Report: TE214876, TE288818 rev2, TE250066/SW, TE280668, TE270508, TE282478, TE289409, TE277796-SW-A, TE270507, TE270507-SW, TE280860, TE270508-SW, TE243064, TE 241495, TE 235000, TE 235000-1, 229246**
Documents and drawings according to submitted file.

Remarks **Products approved by this certificate are accepted for installation on all vessels classed by DNV GL.**
For delivery to vessels classed according to DNV or DNV GL rules, the system is required to be verified for compliance with DNV / DNV GL rules through product certification. This entails design approval and manufacturing survey as detailed in the respective DNV or DNV GL rules.

Valid until **2019-07-09**

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File No. **I.D.09**

Hamburg, 2015-07-10

Type Approval Symbol




Marco Rinkel


Heinz Scheffler

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Optical Smoke Detector

ACC-ENM: Optical Smoke Multi-Detector

Compatible Base

YBN-R/3M: Electronics Free Mounting Base

YBO/SCIM: Short Circuit Isolator Base

MBB-1: Marine Back Box

ALN-ENM: Optical Smoke Detector

Compatible Base

YBN-R/3M: Electronics Free Mounting Base

YBO/SCIM: Short Circuit Isolator Base

MBB-1: Marine Back Box

Short circuit isolator

YBO-R/SCIM: Addressable Short Circuit Isolator Base

Input / Output Device

CHQ-DRC/M(SCI): Analogue Dual Relay Controller (with Isolator)

CHQ-DIM/M(SCI): Analogue Dual Input Module (with Isolator)

CHQ-DSC/M(SCI): Analogue Dual Sounder Controller (with Isolator)

CHQ-SZM/M(SCI): Analogue Single Zone Module (with Isolator)

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