



EC Type Examination Certificate

Notified Body 2843

This is to certify that ABS ITALY S.R.L. did undertake the relevant type approval procedures for the type of equipment identified below which was found to be in compliance with the requirements of Marine Equipment Directive (MED) 2014/90/EU, subject to any conditions in the schedule attached hereto.

ITEM NUMBER: **MED/3.51h**

IMPLEMENTING REGULATIONS (EU) 2020/1170

CERTIFICATE NUMBER: **20-2018758-EC2**

MANUFACTURER: Apollo Fire Detectors Ltd

MANUFACTURER'S LOCATION: 36 Brookside Road, Havant, Hampshire, England, United Kingdom, PO9 1JR

AUTHORIZED REPRESENTATIVE: Apollo Fire Detectors (Germany Office)

PRODUCT DESIGNATION: Fixed fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces: Input/output devices

PRODUCT DESCRIPTION: 55000-773 MAR

STANDARDS AND REGULATIONS: SOLAS 74 Reg. II-2/7, SOLAS 74 Reg. X/3
 IMO Res.MSC.98(73)-(FSS Code) 9, IMO Res.MSC.36(63)-(1994 HSC Code) 7,
 IMO Res.MSC.97(73)-(2000 HSC Code) 7, IMO Res.MSC.391(95)-(IGF Code) 11,
 IMO MSC.1/Circ.1242
 EN54-18 (2005) including A1 (2007), IEC 60092-504 Ed4.0: 2016, IEC 60533
 Ed3.0: 2015

THIS CERTIFICATE IS ISSUED IN COMPLIANCE WITH CONFORMITY ASSESSMENT **MODULE B** OF THE REGULATIONS AND DIRECTIVES LISTED

ISSUE DATE: 10 September 2020

EXPIRATION DATE: 09 September 2025

SIGNATURE: E. Brina

This certificate will not be valid if the manufacturer makes any changes or modifications to the approved type of equipment, which have not been notified to, and agreed with the notified body named on this certificate.

Should the specified regulations or standards be amended during the period of validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on the market and on board vessels to which the amended regulations or standards apply.

The "Mark of Conformity" may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-control phase module (D, E, or F) of ANNEX B of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.

The attached document schedule forms part of this Certificate.

This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with.

Entry Date: 24 September 2020

**Name of Equipment/
Manufacturer:** Apollo Fire Detectors Limited
36 Brookside Road, Havant, Hampshire, England, United Kingdom, PO9 1JR
Tel: +44-2392-442732
Email: francesca.stott@apollo-fire.com
Website: www.apollo-fire.com

Authorized representative Apollo Fire Detectors (Germany Office)
Gesellschaft für Meldetechnologie mbH
Am Anger 31
33332 Gütersloh
Germany
Tel. +49 5241 33060

Equipment/Component: Input/output devices

Model: 55000-773 MAR

Description: 55000-773 MAR Input/output devices

Intended Service: Zone monitor with isolator for fire detection and alarm system for marine & offshore applications

Ratings: Supply Voltage: 17-28VDC
Operating Temperature: -20 to +70 deg C
Quiescent current: 40 mA plus detector load

Standards: Approved in accordance with the requirements for items MED/3.51g and 3.51h of the European Union Marine Equipment Directive 2014/90/EU referencing testing requirement of implementing regulations (EU) 2020/1770

Service Restrictions/Limitations: Ex-certification is not covered by this certificate. Application or installation in hazardous areas to be approved in each case according to the Ex-certification / Special condition for safe use listed in valid Ex-certificate issued by a notified/recognized certification body.

Comments: **Should the specified regulations or standards be amended during the validity of this certificate; the products are to be re-approved prior to being placed on board vessels to which the amended regulations or standards apply.**

This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with the Notified Body named on this certificate.

A Manufacturer's Declaration of Conformity shall be compiled and distributed in line with the requirements of Directive 2014/90/EU Article 16.

The Mark of Conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-control phase module (D, E, or F) of ANNEX II of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.

Drawing Schedule:

Drawing No	Description
42000-002	Circuit Diagram
43782-132	PCB Assembly
P100480-1001	BRE Test Report
Risk Assessment	MED Risk Assessment
104310669LHD-001	EMC Testing (additional)
TL18049C_TL18073	Marine Type Approval (testing)
43785-383	General Assembly
PP5016	Marine DIN-Rail Zone Monitor Datasheet
Justification	Justification Similarity between 55000-812 and 550000-773MAR
EMC Testing (additional)	EMC Testing (Additional)
20-2002388-PDA	PDA Certificate no.