



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	Apollo Fire Detectors Ltd
Address	36 Brookside Road, Havant, PO9 1JR, United Kingdom
Place of Production	Apollo Fire Detectors Ltd 36 Brookside Road, Havant, PO9 1JR, United Kingdom
Type	Fire And Gas Detection Alarm And Control Systems
Description	Marine Sounder Beacon Base
Trade Name	45681-394 MAR
Application	Marine applications in category ENV1, ENV2, ENV3 and ENV5 as defined in Lloyd's Register Type Approval Test Specification No. 1, 2015 where the test specification is satisfactory for the intended operation.
Specified Standard	EN 54-3: 2001
Ratings	Input Voltage: 17-28V DC Current consumption at 24V: Switch-on surge <1s 1.2mA Quiescent 350µA

Matt Higgins

Senior Electrical Specialist to Lloyd's Register
EMEA
A member of the Lloyd's Register group

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

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Certificate No: LR2011367TA-02
Issue Date: 11/07/2023
Expiry Date: 12/08/2025

Type Approval Certificate

Device operated at max volume 8mA

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.

Previous Version: LR2011367TA

The Design Appraisal Document LR2011367TA-02 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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Expiry Date: 12-Aug-2025
Reference: UKITSO/TA/ETS/MJH/WP50997357

LLOYD'S REGISTER TYPE APPROVAL – DESIGN APPRAISAL DOCUMENT

Issue by: UK&I TSO SOUTHAMPTON
Issued to: APOLLO FIRE DETECTORS LTD.
For: MARINE SOUNDER BEACON BASE
TYPE: 45681-394 MAR

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register Type Approval System Procedure TA14 Version 04 (September 2020) and this Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

Production Quality Assessment No PRJ1110021296 21 Oct 2019

CERTIFICATION

ISO 9001:2015 Certificate No. 010, issue 19 6 Jul 2021

TEST REPORTS

45681-394 MAR-Report with Addendum 03.06.2015
BRE Testing – Test Report No. TE245407 10.07.2009
TUV SUD Test Document No. 75930213, Report 01, Issue 1 12.06.2015

DATA SHEETS

Discovery Sounder Beacon PCB Assembly – Drawing No. 43781-968, issue 6 Mod A Nov 2015
Discovery Sounder Beacon Base General Assembly – Drawing No. 45681-393, issue 3 16 Jul 2021
Marine Discovery Sounder Beacon Base Packing Assembly – Drawing No. 45681-394PACK, issue 4 20 Jul 2020
Marine Discovery Sounder Build Standard Sheet, issue 17 Jul 2021
Discovery Marine Sounder Visual Indicator Base PP5009/2017/Issue 1 2017

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Lloyd's Register EMEA

Supplementary Type Approval Terms and Conditions

Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor

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approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.

Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.

Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.

Lloyd's Register EMEA reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the Lloyd's Register Type Approval System Procedure.

