

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, Hampshire
Place of Production	Apollo Fire Detectors Ltd 36 Brookside Road, Havant, PO9 1JR, Hampshire
Type	Fire And Gas Detection Alarm And Control Systems
Description	Marine Mini Switch Monitor
Trade Name	55000-775 MAR
Application	Marine applications in category ENV1, ENV2 and ENV3 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 54-17: 2005, EN 54-18: 2005
Ratings	Input Voltage: 17-28V DC Maximum current consumption at 24V: Switch-on surge 800 μ A Quiescent, 20k Ω EOL fitted 200 μ A LED on + 3.4mA Remote LED illuminated +2.8 mA Yellow fault LED illuminated +2.8mA
Software	MicroModule, Issue 1, Rev 2

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

Matt Higgins

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

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Type Approval Certificate

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 No. 15-00064-02 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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Kingdom

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LLOYD'S REGISTER TYPE APPROVAL

Issue by: UK & I TSO
 Issued to: APOLLO FIRE DETECTORS LTD.
 For: MARINE MINI SWITCH MONITOR
 TYPE: 55000-775 MAR

This certificate is a renewal of certificate no. 15/00064.

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register Type Approval System Procedure TA14 Version 03 (July 2017) and this Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

Request Form 2571	19.03.2014
LR Inspection and Surveillance of Production Facilities	18.11.2014
LR Job Control Record: SOU 1401050	20.04.2015

CERTIFICATION

LPCB Certificate of Management System Registration: Certificate No. 010, issue No. 18	06.07.2018
ABS Certificate of Design Assessment - Certificate No. 16-LD1536864-2-PDA	29.07.2016

TEST REPORTS

55000-775 MAR-Report with Addendum	03.06.2015
BRE Testing - Test Report No. TE237154	23.04.2009
TUV SUD Test Document No. 75930213, Report 01, Issue 1	12.06.2015
BRE Testing - Test Report No. TE237154-SW	30.05.2008

DATA SHEETS

Mini Switch Monitor PCB Assembly - Drawing No. 43781-980, issue 4	-
Mini Switch Monitor General Assembly - Drawing No. 55000-760, issue 1	-
Marine Mini Switch Monitor Packing Assembly - Drawing No. 55000-775PACK, issue 3	May 2014
Marine Mini Switch Monitor Build Standard Sheet, issue 3	Nov 2019
Mini Switch Monitor Circuit Diagram - Drawing No. 55000-760CD, issue 3	-



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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 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.