



TYPE APPROVAL CERTIFICATE

형 식 승 인 증 서

Certificate No. : LDN23417-FD001 **Date of Approval** : 18th November, 2008.
Product : Fire Detectors
Manufacturer : APOLLO FIRE DETECTORS LTD.
 36 Brookside Road, Havant, Hampshire, P09 1JR. U.K

Product Description : Discovery analogue addressable fire detectors

- Type :
- 58000-400MAR Discovery Heat Detector
- 58000-500MAR Discovery Ionization Smoke Detector
- 58000-600MAR Discovery Optical Smoke Detector
- 58000-700MAR Discovery Multisensor Detector
- 58000-900MAR Discovery Manual Call Point
- 45681-210MAR Mounting Base
- 55000-700MAR Isolator
- 45681-211MAR Mounting Base for Isolator

" See Appendix 1 "

Approval Condition : 1. The product or packing is to be marked with manufacturer name and type designation on a suitable position.
 2. Individual Product Certification is not required.

" See Appendix 1 "

THIS IS TO CERTIFY that the above-mentioned product has been approved in accordance with the relevant requirement of this Society's Rules and / or of the recognized standards as follows and entered in the "List of Approved Manufacturers and Type Approved Equipment".

Pt. 6, Ch. 2, Art. 301 of the Rules for Classification, Steel Ships and SOLAS 74/78 as Amended Ch. II-2, Regulation 13.

This Certificate is valid until 17th November, 2013.

Issued at Daejeon, Korea on 18th November, 2008.



국 선 급
KOREAN REGISTER OF SHIPPING

(Lee Woon-ho)

General Manager of
Materials and Equipment Team

Note :1 : The approval will be automatically suspended and the Certificate become invalid from the expiry date of the Certificate in the event that the extension has not been granted or is not under attendance for completion of the renewal survey.

2 : The manufacturer should notify this Society of any modification or changes that may affect the validity of this Certificate.

Appendix 1

Product Description and/or Approval Condition

Certificate No : LDN23417-FD001

Date of Approval : 18th November, 2008.

Product Description :

58000-400MAR Discovery Heat Detector (Temperature monitor)
58000-500MAR Discovery Ionization Smoke Detector
58000-600MAR Discovery Optical Smoke Detector
58000-700MAR Discovery Multisensor Detector (Temperature & Photoelectric smoke)
58000-900MAR Discovery Manual Call Point
45681-210MAR Mounting Base
55000-700MAR Isolator
45681-211MAR Mounting Base for Isolator

Detector Type	Operating Voltage	Operating Current Quiescent / Alarm
58000-400MAR	17~28 VDC	0.5 mA / 3.4 mA
58000-500MAR	17~28 VDC	0.5 mA / 3.5 mA
58000-600MAR	17~28 VDC	0.4 mA / 3.4 mA
58000-700MAR	17~28 VDC	0.5 mA / 3.5 mA
58000-900MAR	17~28 VDC	0.35 mA / 3.35 mA

Approval Condition :

- This approval is granted on the basis of test reports & documents
 - Discovery engineering product guide & General assembly drawings
 - TE90371, TE90372, TE90373, TE90374, TE90377.1
 - 1657, 1658, 1659, 1660, 1661
 - SW-99238, 1188.04, 1189.02, 1190.02, 1191.03

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