




# Type Approval Certificate

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

Certificate No. **47 725 - 03 HH**

Company  **Apollo Fire Detectors Ltd.**  
**36, Brookside Road**  
**Havant, Hampshire PO9 1JR, UNITED KINGDOM**

Product Description **Discovery analogue addressable fire detectors**

Type **58000-400MAR; 58000-500MAR; 58000-600MAR; 58000-700MAR; 58000-900MAR;**

Environmental Category **C; EMC1**

Technical Data /  
 Range of Application **Heat detector: Temperature monitor (58000-400MAR),  
 Class: A1R, A2, A2S,(25°C/50°C); CR, CS,(55°C/80°C);  
 Ionization detector: Ionization smoke monitor (58000-500MAR);  
 Optical detector: Photoelectric smoke monitor (58000-600MAR);  
 Multisensor detector: Temperature&photoelectric smoke monitor (58000-700MAR);  
 Manual call point (58000-900MAR);  
 Discovery communication protocol according to PP2027/1998/issue6 is compatible  
 with Series 90 and XP95 protocol.  
 Detector remote output to positive line through 4,5 kOhm(5mA maximum).**

	Quiescent current	Alarm current	Indicator	IP rating
58000-400MAR:	500µA average 750µA;	3,40mA;	2 red LED;	53;
58000-500MAR:	500µA average 750µA;	3,50mA;	2 red LED;	43;
58000-600MAR:	400µA average 650µA;	3,40mA;	2 red *1LED;	43;
58000-700MAR:	500µA average 750µA;	3,50mA;	2 red *1LED;	43;
58000-900MAR:	350µA average 600µA;	3,35mA;	1 red LED;	53;

\*1=colourless

Test Standard **Regulations for the Performance of Type Tests 2003; Regulations for the Use of  
 Computer and Computer Systems 1994; EN54-5; EN54-7;**

Documents **Test report : TE90371; TE90372; TE90371; TE90373; TE90374; TE90377.1; 1657.0;  
 1658.0; 1659.0; 1660.0; 1661.0; Software questionnaire according to requirement  
 class 3: SW-99238, 1188.4, 1191.3, 1189.2, 1190.2; Documents and drawings  
 according to submitted file.**

Remarks **None**

Valid until **2013-07-15**

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

Hamburg, **2008-07-16**

Type Approval Symbol



**Germanischer Lloyd**

  
 Marco Rinkel

  
 Heinz Scheffler