



By Appointment to
Her Majesty The Queen
Manufacturers of Fire Detection & Alarm Products
Apollo Fire Detectors Limited
Hampshire



**Construction Products Regulation:
EU (No) 305/2011**

This Declaration has been drawn-up in accordance with Commission Delegated Regulation (EU) No. 574/2014 which amends Annex III of Regulation (EU) No 305/2011.

DECLARATION OF PERFORMANCE

No. D0020

1. Unique identification code of the product-type:

Model number and Description:

RW1500-220APO – REACH Sounder and Visual Alarm Device using Radio Links (Red Enclosure)

Approved Accessories:

n/a

Harmonised Product Type(s):

Sounders
VAD's
Components using radio links

2. Intended use/es:

Fire detection and fire alarm systems installed in and around buildings

3. Manufacturer:

Apollo Fire Detectors Ltd,
36 Brookside Road, Havant, Hampshire, PO9 1JR, United Kingdom

4. Authorised representative:

Apollo Gesellschaft für Meldetechnologie mbH
Am Anger 31
33332 Gütersloh
Deutschland

5. System(s) of AVCP

System 1

6. Harmonised Standard(s)

EN 54-3:2001 + A1:2002 + A2:2006
EN 54-23:2010
EN 54-25:2008 + AC:2012

Notified Body/ies:

IMQ ISTITUTO ITALIANO DEL MARCHIO DI QUALITÀ S.P.A. (Notified Body No. 0051)

A HALMA COMPANY



Apollo Fire Detectors Limited

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Apollo Fire Detectors Ltd. Registered in England No. 1483208
Registered Office: 36 Brookside Road, Havant, Hampshire, PO9 1JR VAT Registration No. GB 339 0553 54

7. Declared performance

Essential Characteristics	Standard EN54-3:2001 + A1:2002 + A2:2006	Performance
Performance under fire condition	4.2, 4.3, 5.2, 5.3	Pass
Operational reliability	4.4, 4.5, 4.6, 5.4, C4	Pass
Durability of operational reliability: temperature resistance	5.5, 5.6, 5.7, 5.8, 5.9	Pass
Durability of operational reliability: humidity resistance	5.8, 5.9, 5.10	Pass
Durability of operational reliability: corrosion resistance	5.11	Pass
Durability of operational reliability: shock and vibration resistance	5.12 to 5.15	Pass
Durability of operational reliability: electrical stability	5.16	Pass
Durability of operational reliability: resistance to ingress	5.17	Pass
5.6 and 5.10 applies only to outdoor sounders or outdoor voice sounders. 5.16 applies only to sounders or voice sounders with active electronic components.		



Essential Characteristics	Standard EN54-23:2010	Performance
Operational reliability: Duration of operation Provision for external conductors Flammability of materials Enclosure protection Access Manufacturer's adjustments On-site adjustment of behaviour Requirements for software controlled devices	4.2.1 4.2.2 4.2.3 4.2.4 4.2.5 4.2.6 4.2.7 4.2.8	Pass
Performance parameters under fire condition: Coverage volume Variation of light output Minimum and maximum light intensity Light colour Light temporal pattern and frequency of flashing Marking and data Synchronisation (option with requirements)	4.3.1 4.3.2 4.3.3 4.3.4 4.3.5 4.3.6 4.3.7	Pass
Durability: Temperature resistance: Dry heat (optional) Dry heat (endurance) Cold (operational) Humidity Resistance: Damp heat, cyclic (operational) Damp heat, steady state (endurance) Damp heat, cyclic (endurance) Shock and vibration resistance: Shock (operational) Impact (operational) Vibration (operational) Vibration (endurance) Corrosion resistance: SO ₂ corrosion (endurance) Electrical stability: EMC, Immunity (operational)	4.4.1.1 4.4.1.2 4.4.1.3 4.4.2.1 4.4.2.2 4.4.2.3 4.4.3.1 4.4.3.2 4.4.3.3 4.4.3.4 4.4.4 4.4.5	Pass

Essential Characteristics	Standard EN54-25:2008 + AC:2012	Performance
Performance parameters under fire conditions	4.1, 4.2.2, 5.2, 8.3.7	Pass
Response delay (response time to fire)	8.2.3, 8.2.6	Pass
Operational reliability	4.21, 4.2.3 to 4.2.7, 5.3, 5.4, 6.7, 8.2.2, 8.2.4, 8.2.5, 8.2.7, 8.2.8b, 8.2.9, 8.3.1, 8.3.2, 8.3.3, 8.3.4, 8.3.5, 8.3.6	Pass
Durability of operational reliability: Temperature resistance	8.3.9c, 8.3.10c, 8.3.11	Pass
Durability of operational reliability: Vibration resistance	8.3.16c, 8.3.17 to 8.3.19	Pass
Durability of operational reliability: Humidity resistance	8.3.12d, 8.3.13e, 8.3.14	Pass
Durability of operational reliability: Corrosion resistance	8.3.15c	Pass
Durability of operational reliability: Electrical stability	8.3.20	Pass
<p>^a The products covered by this standard are assumed to enter the alarm condition, in an event of fire, before the fire becomes so large as to affect their functioning. There is therefore no requirement to function when exposed to direct attack from fire.</p> <p>^b Only applicable to components required to indicate loss of communication or to transmit this information to the CIE.</p> <p>^c Not applicable for CIE</p> <p>^d Not applicable for CIE and smoke detectors</p> <p>^e Only applicable for CIE and smoke detectors</p>		

8. Online Display Location

This document can be viewed online at www.apollo-fire.co.uk

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No. 305/2011, under the sole responsibility of the manufacturer identified above

Signed for and on behalf of Apollo Fire Detectors Limited by:



Mr. David Robbins
Technical Director
Havant – 02.08.2022

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