Apollo Fire Detectors Ltd Declaration of Conformity Under UKCA Requirements
Approved Body for UKCA regulation : SGS UK Ltd 1180, Buxton, UK
Designated Standards used: EN 60079-0:2018 Electrical Apparatus, Explosive atmospheres. Equipment. General requirements and IEC 60079-11:2023 Edition 7 Electrical Apparatus, Explosive atmospheres. Equipment protection by intrinsic safety 'i', applied as state of the art / latest technical knowledge.

Provisions of the Directive fulfilled by the Equipment:

Orbis: Group II Category 1G Ex ia IIC T4 Ga (-50°C ≤ Ta ≤ +60°C) / T5 Ga (-50°C ≤ Ta ≤ +40°C)

The products listed below are manufactured at the premises of
Apollo Fire Detectors Ltd., 36 Brookside Road, Havant, Hampshire, PO9 1JR, England.

Product Name	Models Covered	UK Type Examination Certificate	Derived from Un-configured Platform
Orbis IS	Multisensor	BAS21UKEX0328X Issued 22nd November 2024	400-OH-00012
Orbis IS	Optical Smoke Detector	BAS21UKEX0328X Issued 22nd November 2024	400-OP-00013
Orbis IS	Heat Detector A1R /A1S/A2S/BR/BS/CS	BAS21UKEX0328X Issued 22nd November 2024	400-HT-00011

Directives also applicable: Electromagnetic Compatibility 2014/30/EU;
Construction Products Regulations 305/2011/EU;
Marine Equipment Directive,
European Directive On Equipment and Protective Systems Intended for the use in Potentially Explosive Atmospheres.

This declaration is valid for UKCA Regulation S.I. 2016 No 1107 from 22nd November 2024

This Declaration of Conformity is issued under the sole responsibility of the Manufacturer.

On behalf of the above named company, I declare that, on the date the equipment accompanied by this declaration is placed on the market, the equipment conforms with all technical and regulatory requirements of the above listed directives. Both Principle Engineer, Mr Rob Knight, and Systems Engineer, Mr Mark Schofield, have been designated as the responsible person(s) for the purpose of the Regulations.

R D Knight ..... Havant, 22/11/2024
Mr Rob Knight - Principle Engineer

M. N. Schofield ..... Havant, 22/11/2024
Mr Mark Schofield - Systems Engineer

Apollo Fire Detectors Limited, 36 Brookside Road, Havant, Hampshire, PO9 1JR, UK
Tel: +44 (0) 23 9249 2412 ~ Email: techsales@apollo-fire.co.uk
Website: www.apollo-fire.co.uk

Intrinsically Safe (IS) Products ATEX 2014/34/EU, UKEX and IECEx Certification Guide

General
All Apollo IS devices are intended for use in hazardous area systems complying with the European ATEX directive 2014/34/EU, UKEX and IECEx regulations that deal with products used in hazardous areas. All such systems must incorporate a certified safety barrier or interface to limit the voltage and power to the circuit. Information on suitable barriers and interfaces can be obtained from Apollo.

These notes are intended to supplement the mandatory requirements of the ATEX directive or other applicable regulations They should not be taken as full instructions for the design and installation of intrinsically safe systems. These activities must be carried out only by qualified personnel.

Certification
The Orbis IS range of detectors are BASEEFA certified as components. Their component certification allows them to be used in certified intrinsically safe systems.

Each product range is covered by a system certificate issued by BASEEFA in Apollo's name. Systems installed according to Apollo system drawings will be covered by the system certification. The use of barriers, interfaces, or other components not included in the system drawing will invalidate the certification.

The system certificate number must be marked on the installed system, preferably on the barrier or interface housing. The system is certified to ATEX, UKEX and IECEx.

Explosion Protection Category

Orbis IS detector categories are:

 II IG Ex ia IIC T5 Ga -50°C ≤ Ta ≤ 40°C (T4 ≤ 60°C) Ga

The ATEX EC type examination certificate numbers applicable to Apollo IS devices are given in the table below:

Apollo Product	ATEX Certificate	IECEx Certificate	UKEX Certificate
Orbis Detectors	Baseefa06ATEX 0007X	IECEx BAS 06.0002X	BAS21UKEX0328X

Copies of all component and system certificates, and system drawings are available from Apollo on request.

Installation of Detectors

Detectors must be fitted to certified IS bases. Use of any other bases will invalidate the detector certification. Orbis detectors may be fitted to Series 60 systems using an Orbis IS base adaptor.

The bases must be installed in such a way that all wiring is protected to at least IP20. This requirement will be met if bases are flush mounted. If bases are mounted on BESA boxes, or other boxes having a diameter less than 85mm, they should be fitted with XP95 backplates (Apollo part number 45681-233).

Remote LED indicators may be fitted to Orbis detectors. The LEDs need not be certified but should be either 3mm or 5mm in diameter. The LED terminations must be protected to at least IP20 and the circuits must be segregated from other circuits.

Special Conditions for Safe Use

To avoid problems with electrostatic charging of the enclosure, the equipment must not be located in a dust-laden airflow or cleaned with a dry cloth or with solvents.

Dust Cover

To ensure optimal performance, leave the dust cover on the product and remove on commissioning.

Further Information

For information on Orbis see publication PP2250

Please use the link below to download the ATEX DoC in various EU Languages.

http://apollo.ly/kn

If the required Language is not displayed, please contact Apollo to request it.

Apollo Fire Detectors Ltd Declaration of Conformity Under ATEX Directive

Notified Body for EU Type Examination and Production: Fimko 0598, Helsinki, Finland
Harmonised Standards used:
IEC 60079-0:2017 Edition 7 Explosive Atmospheres - Part 0: General Requirements
IEC 60079-11:2023 Edition 7 Explosive Atmospheres - Part 11: Equipment Protection by Intrinsic Safety 'i',

Provisions of the Directive fulfilled by the Equipment:

Orbis: Group II Category 1G Ex ia IIC T4 Ga (-50°C ≤ Ta ≤ +60°C) / T5 (-50°C ≤ Ta ≤ +40°C)

The products listed below are manufactured at the premises of
Apollo Fire Detectors Ltd., 36 Brookside Road, Havant, Hampshire, PO9 1JR, England.

Product Name	Models Covered	EU Type Examination Certificate	Derived from Un-configured Platform
Orbis IS	Multisensor	BaseefaATEX0007X/6 Issued 22 November 2024 IECEx BAS 00.00002X	400-OH-00012
Orbis IS	Optical Smoke Detector	BaseefaATEX0007X/6 Issued 22 November 2024 IECEx BAS 00.00002X	400-OP-00013
Orbis IS	Heat Detector A1R /A1S/A2S/BR/BS/CS	BaseefaATEX0007X/6 Issued 22 November 2024 IECEx BAS 00.00002X	400-HT-00011

Directives also applicable: Electromagnetic Compatibility 2014/30/EU; Construction Products Regulations 305/2011/EU; Marine Equipment Directive*, European Directive On Equipment and Protective Systems Intended for the use in Potentially Explosive Atmospheres.

This declaration is valid for Directive 2014/34/EU.

This Directive has been enacted into the UK law by the Statutory Instrument No. 1996-192, The Equipment and Protective Systems Intended for the Use in Potentially Explosive Atmospheres Regulations 1996.

This Declaration of Conformity is issued under the sole responsibility of the Manufacturer.

On behalf of the above named company, I declare that, on the date the equipment accompanied by this declaration is placed on the market, the equipment conforms with all technical and regulatory requirements of the above listed directives. Both Principle Engineer, Mr Rob Knight, and Systems Engineer, Mr Mark Schofield, have been designated as the responsible person(s) for the purpose of the Regulations.

R N Knight ..... Havant, 22/11/2024
Mr Rob Knight - Principle Engineer

M W Schofield ..... Havant, 22/11/2024
Mr Mark Schofield - Systems Engineer