IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEx BAS 06.0002X** Issue No.: **1**

Status: **Current**

Date of Issue: **2006-09-01** Page **1** of **4**

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

Electrical Apparatus: **Orbis IS Series Fire Detectors**
Optional accessory:

Type of Protection: **Intrinsic Safety**

Marking:
IECEx BAS 06.0002X
Ex ia IIC T4 -40°C ≤ Ta ≤ +60°C
Ex ia IIC T5 -40°C ≤ Ta ≤ +40°C

Approved for issue on behalf of the IECEx Certification Body: R S Sinclair

Position: Managing Director

Signature:
(for printed version)

Date: 1/9/6

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:

Baseefa (2001) Ltd.
Rockhead Business Park
Staden Lane
Buxton
Derbyshire
SK17 9RZ
United Kingdom

Baseefa

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Manufacturer: **Apollo Fire Detectors Ltd**
36 Brookside Road
Havant
Hampshire
PO9 1JR
United Kingdom

Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacture'rs quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:
The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2000 Edition: 3.1	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-11 : 1999 Edition: 4	Electrical apparatus for explosive gas atmospheres - Part 11: Intrinsic safety 'i'
IEC 60079-26 : 2004 Edition: 1	Electrical apparatus for explosve gas atmospheres - Part 26: Construction, test and marking of Group II Zone 0 electrical apparatus

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:
A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

GB/BAS/ExTR06.0035/00
GB/BAS/ExTR06.0052/00

Quality Assessment Report:

GB/BAS/QAR06.0060/00

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Schedule

EQUIPMENT:
Equipment and systems covered by this certificate are as follows:

The Orbis IS Series Fire Detectors are designed to detect the presence of fire using optical, heat (which may be static or rate of rise type) and multisensor (an optical sensor with a heat sensing element) techniques.

Each type of detector shares a common printed circuit board located in a plastic enclosure which is fitted to a mounting base. Electrical connections to external circuits are made to the terminals located in the mounting base.

Input Parameters

U_i = 28V C_i = 0

I_i = 93.3mA L_i = 0

P_i = 0.67W

CONDITIONS OF CERTIFICATION: YES as shown below:

1. 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.

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Variation 1.1

To permit minor changes to various safety resistors.

Variation 1.2

To permit an alternative PCB layout.

ExTR: GB/BAS/ExTR06.0102/00 File Reference: 06/0684