

SUPPLEMENTARY EU - TYPE EXAMINATION CERTIFICATE

**Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 2014/34/EU**

Supplementary EU - Type Examination Certificate Number: **Baseefa05ATEX0154X/1**

In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20 April 2016

Product:
811PHExn Addressable Optical Smoke & Heat Detector
811HExn Addressable Heat Detector
811CHExn Carbon Monoxide & Heat Detector

Manufacturer: **Thorn Security Limited, T/A Tyco Safety Products**

Address: **Sunbury-on-Thames, Middlesex, TW16 5DB**

This supplementary certificate extends EC – Type Examination Certificate No. Baseefa05ATEX0154X to apply to products designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

SGS Baseefa, Notified Body number 1180, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that the product, as modified by this supplementary certificate, has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

SGS Baseefa Customer Reference No. 1747

Project File No. 16/0634

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SGS Baseefa Limited

Rockhead Business Park, Staden Lane,
Buxton, Derbyshire SK17 9RZ

Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601
e-mail baseefa@sgs.com web site www.sgs.co.uk/baseefa

Registered in England No. 4305578.

Registered address: Rossmore Business Park, Ellesmere Port, Cheshire, CH65 3EN

RS Sinclair

R S SINCLAIR
TECHNICAL MANAGER

On behalf of SGS Baseefa Limited

There are no drawing changes associated with this supplementary.



TYPE EXAMINATION CERTIFICATE

Equipment Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC

- 1
- 2
- 3 Type Examination Certificate Number: Baseefa05ATEX0154X
- 4 Equipment: 811PHExn Addressable Optical Smoke & Heat Detector
811HExn Addressable Heat Detector
811CHExn Carbon Monoxide & Heat Detector
- 5 Manufacturer: Thorn Security Limited (T/A Tyco Safety Products)
- 6 Address: Sunbury-on-Thames, Middlesex, TW16 5DB
- 7 This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- 8 Baseefa (2001) Ltd. certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment of Category 3 intended for use in potentially explosive atmospheres given in Annex II to European Union Directive 94/9/EC of 23 March 1994.
The examination and test results are recorded in confidential Report No. 05(C)0225
- 9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN60079-15:2003
except in respect of those requirements listed at item 18 of the Schedule.
- 10 If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.
- 11 This TYPE EXAMINATION CERTIFICATE relates only to the design of the specified equipment and not to specific items of equipment subsequently manufactured.
- 12 The marking of the equipment shall include the following :

(Ex) II 3G EEx nA II T4 (-20°C ≤ T_a ≤ 40°C)

This certificate may only be reproduced in its entirety, without any change, schedule included.

Baseefa Customer Reference No. 1747

Project File No. 05/0225

This certificate is granted subject to the general terms and conditions of Baseefa (2001) Ltd. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

Baseefa

Rockhead Business Park, Staden Lane,
Buxton, Derbyshire SK17 9RZ
Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601
e-mail info@baseefa.com web site www.baseefa.com
Baseefa is a trading name of Baseefa (2001) Ltd
Registered in England No. 4305578 at the above address

R S SINCLAIR

DIRECTOR
On behalf of
Baseefa (2001) Ltd.



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Schedule

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Certificate Number Baseefa05ATEX0154X

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Description of Equipment

The 811PHExn Addressable Optical Smoke & Heat Detector, 811HExn Addressable Heat Detector, 811CHExn Carbon Monoxide & Heat Detector are designed to transmit, to a remote fire controller, digital signals which represent status of the sensor elements of the detector.

These detectors comprise a printed circuit board housed within a plastic moulding. The detector fits onto a plastic base unit. The moulding incorporates securing features to retain the detector in the base. The detector has four embedded contacts which align with the contacts in the base to which external electrical connections are made.

A plastic outer cover is clipped to the body of the detector over the sensor chamber ensuring the sensor protrudes through the cover.

Input Parameters: Rated Voltage = 39V

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Report Number

05(C)0225

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Special Conditions for Safe Use

1. This apparatus has an ingress protection of IP4X. These units must only be installed in locations where they are unlikely to be contaminated by dust or moisture, e.g. with the base attached to the underside of a ceiling.
2. When the detector is removed, the base must be provided with a degree of protection of at least IP54.
3. This apparatus only meets the 4J (low risk) resistance to impact which must be taken into consideration when installed at any particular location.
4. This apparatus does not meet the resistance to light requirements. It must be installed away from direct sunlight.
5. When installed adequate precautions must be taken to ensure that cabling is restrained and not subject to any stress.

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Essential Health and Safety Requirements

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.

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Drawings and Documents

Number	Sheet	Issue	Date	Description
811PHExn				
CL516.800.534	2	1	17.01.06	Parts List 811PHExn
516.800.534	1,2,3,5,7,8&10	1	17.01.06	General Assembly Optical & Heat Detector
516.800.534	9	1	17.01.06	General Assembly Optical & Heat Detector
C125.585.631	1	6	26.03.03	Circuit 801PH



Number	Sheet	Issue	Date	Description
A125.585.631	1	7	26.03.03	PCB Parts List and Assembly
811HExn				
CL516.800.536	2	1	17.01.06	Parts List Heat Detector 811HExn
516.800.536	2 - 4	1	17.01.06	General Assembly Heat Detector
C125.585.634	1	2A	10.10.00	Circuit 801H
A125.585.634	1	3	4.2.02	PCB Parts List and Assembly
811CHExn				
CL516.800.535	2	1	17.01.06	Parts List 811CHExn
516.800.535	2 - 4	1	17.01.06	General Assembly 811CHExn
C125.585.633	1	5	28.3.01	Circuit 801CH
A125.585.633	1	8	16.9.04	PCB Parts List and Assembly
CL517.050.023	2	1	17.01.06	Parts List 5BEx 5" Universal Base
517.050.023	1	1	17.01.06	5BEx 5" Universal Base
120.028.215	1	1	17.01.06	5BEx 5" Universal Base Label
120.036.801	1&2	1	17.01.06	Cover