



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 12.0081

issue No.:1

Status:

Current

Certificate history:

Issue No. 1 (2014-10-15)

Issue No. 0 (2012-6-27)

Date of Issue:

2014-10-15

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Applicant:

Delta Controls Limited
Riverside Business Park
Dogflud Way
Farnham
Surrey
GU9 7SS
United Kingdom

Electrical Apparatus:
Optional accessory:

Sentry Series Pressure Switch

Type of Protection:

Flameproof & Dust Protection by Enclosure

Marking:

Ex d IIC T6 (T_{amb} -30°C to +65°C)* Gb

Ex tb IIIC T85°C (T_{amb} -30°C to +65°C)* Db IP6X

*** See schedule for alternative temperature class and ambient**


Approved for issue on behalf of the IECEx
Certification Body:

R S Sinclair

Position:

General Manager

Signature:
(for printed version)


16/10/14

Date:

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](http://www.iecex.com).

Certificate issued by:

SGS Baseefa Limited
Rockhead Business Park
Staden Lane
Buxton
Derbyshire
SK17 9RZ
United Kingdom





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Manufacturer: **Delta Controls Limited**
Riverside Business Park
Dogflud Way
Farnham
Surrey
GU9 7SS
United Kingdom

Additional 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 manufacturer's 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 : 2011 Edition: 6.0 | Explosive atmospheres - Part 0: General requirements |
| IEC 60079-1 : 2007-04 Edition: 6 | Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d" |
| IEC 60079-31 : 2008 Edition: 1 | Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't' |

*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/ExTR12.0151/00

Quality Assessment Report:

GB/BAS/QAR06.0033/05



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Sentry Series Pressure Switch comprises a circular enclosure with a threaded cover, both manufactured in aluminium, stainless steel or cast iron. The enclosure base includes bosses for up to two threaded cable entries, and an extension housing the pressure or temperature operating mechanism.

The enclosure houses a 6 way terminal strip and up to two switch units, activated by a push rod passing through the enclosure wall.

The external operating mechanism is separated from the electrical enclosure by a vented chamber containing the push-rod, spring and adjusters. The unit may be fitted with a range of process connections for different pressure (or temperature) operations.

Internal and external earthing facilities are provided.

The cable entries are threaded M20 or M25 (or NPT equivalents) for the accommodation of flameproof cable entry devices, with or without the interposition of a flameproof thread adapter. Unused entries are to be fitted with certified flameproof stopping plugs.

The cable entry devices, thread adapters and stopping plugs shall be suitable for the equipment, the cable and the conditions of use and shall be certified as Ex Equipment and not as an Ex Component.

When used in an explosive dust atmosphere the cable entry devices shall maintain the ingress protection of the enclosure

Variation 0.1

An alternative T5/T100°C (T_{amb} -30°C to +80°C) Temperature Class and ambient temperature combination

Variation 0.2

An optional assembly with a reduced ambient temperature of -60°C.

CONDITIONS OF CERTIFICATION: NO



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

Variation 1.1

This issue permits existing information (for example on Schedule Drawings) to be replaced by the revised certificate holders address. No other changes may be made to the certified design

File Reference: 14/0861