



1 **EC - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres  
Directive 94/9/EC**

3 EC - Type Examination Certificate Number: **Baseefa12ATEX0121**

4 Equipment or Protective System: **Sentry Series Pressure Switch**

5 Manufacturer: **Delta Controls Limited**

6 Address: **Island Farm Avenue, West Molesey, Surrey, KT8 2UZ**

7 This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 Baseefa, Notified Body number 1180, in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Report No. **GB/BAS/ExTR12.0151/00**

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**IEC 60079-0: 2011**                      **EN 60079-1: 2007**                      **EN 60079-31: 2009**

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 or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

11 This EC - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12 The marking of the equipment or protective system shall include the following :

**⊕ II 2GD Ex d IIC T6 (T<sub>amb</sub> -30°C to +65°C)\* Gb,  
Ex tb IIIC T85°C (T<sub>amb</sub> -30°C to +65°C)\* Db IP6X                      \* See schedule**

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



Baseefa Customer Reference No. **0279**

Project File No. **11/0665**

This certificate is granted subject to the general terms and conditions of Baseefa. 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](mailto:info@baseefa.com) web site [www.baseefa.com](http://www.baseefa.com)  
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**P. S. SINCLAIR**   
DIRECTOR  
On behalf of  
Baseefa



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## Schedule

14

Certificate Number Baseefa12ATEX0121

### 15 Description of Equipment or Protective System

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/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.

### 16 Report Number

Baseefa Confidential Report No. GB/BAS/ExTR12.0151/00

### 17 Specific Conditions of Use

None

### 18 Essential Health and Safety Requirements

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

### 19 Drawings and Documents

Number	Issue	Date	Description
15676	A	30/05/2012	General Assembly
15678	A	30/05/2012	Sensor Arrangements
15681	A	30/05/2012	Labels

These drawings are common to IECEx BAS 12.0081, and held with that certificate