



EC-TYPE EXAMINATION CERTIFICATE

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

EC-Type Examination Certificate Number : **BAS01ATEX2113X**

Equipment or Protective System: **PRESSURE SWITCH SERIES S20**

Manufacturer: **DELTA CONTROLS LIMITED**

Address: **West Molesey, Surrey, KT8 2UZ**

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

The Electrical Equipment Certification Service, notified body number 600 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 N°

00(C)0784 dated 30 May 2001

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

EN 50014: 1997 + Amds 1 & 2


EN 50018: 2000

except in respect of those requirements listed at item 18 of the Schedule.

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.

This EC-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment or protective system.

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

 **II 2 G** **EEx d IIC T6 (T_{amb} -60°C to +65°C)**
EEx d IIC T5 (T_{amb} -60°C to +80°C)

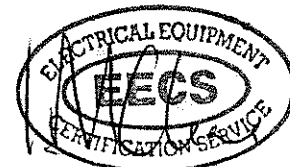
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File No: EECS 0279/01/015

This certificate is granted subject to the general conditions of the Electrical Equipment Certification Service. It does not necessarily indicate that the apparatus may be used in particular industries or circumstances.



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I M CLEARE
DIRECTOR
26 July 2001



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Schedule

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EC-TYPE EXAMINATION CERTIFICATE N° BAS01ATEX2113X

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Description of Equipment or Protective System

A Flameproof Pressure Switch, Series S20 comprising a housing and threaded cover manufactured in cast stainless steel, cast aluminium, gunmetal or cast iron with an integral spring and venting chamber to which is attached a pressure port. Pressure applied to the port moves a pushrod, which passes through a stainless steel, mild steel or brass bush, threaded into the wall of the enclosure, which actuates one or two internally mounted microswitches. The microswitches are each rated at 5A, 440V maximum. The pressure port comprises a piston and diaphragm assembly which can have a pressure rating up to 155 bar or a bellows assembly which can have a pressure rating up to 75 bar.

The enclosure base is provided with four holes for mounting purposes.

Both internal and external earthing facilities are provided.

Cable entry holes are provided as specified on the certified drawings for the accommodation of suitable BASEEFA certified flameproof cable entry devices, with or without the interposition of a suitable BASEEFA certified flameproof thread adaptor. Unused entries are to be fitted with suitable BASEEFA certified flameproof stopping plugs.

Suitable flameproof cable entry devices, thread adaptors and stopping plugs certified as Equipment (not a Component) under an EC Type Examination Certificate to Directive 94/9/EC may also be used in the manner specified above.

VARIATION 0.1

Provision of an alternative pressure port arrangement to create:-

A FLAMEPROOF PRESSURE SWITCH TYPE S24 for pressures up to 1500 bar.

VARIATION 0.2

Provision of an alternative pressure port arrangement to create:-

A FLAMEPROOF DIFFERENTIAL SWITCH SERIES S30 for pressures up to 250 bar.

VARIATION 0.3

Provision of an alternative pressure port arrangement to create:-

A FLAMEPROOF TEMPERATURE SWITCH SERIES S70 for pressures up to 50 bar.

VARIATION 0.4

Optional alternative switch arrangement rated from 5A up to 15A, 480V a.c.



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EC-TYPE EXAMINATION CERTIFICATE N° BAS01ATEX2113X

When this option is invoked a warning is included on an external label stating 'DO NOT OPEN WHEN AN EXPLOSIVE GAS ATMOSPHERE IS PRESENT'.

Additionally a label fitted externally to the apparatus warns the user that cabling suitable for a temperature of 91°C for the T6 version and 106°C for the T5 version.

VARIATION 0.5

The optional addition of up to four end of line resistors, as detailed in Table A below, connected across the terminals of the terminal block.

TABLE A

Power Rating of Resistor (Watts)	Minimum Value (ohms)	Maximum Power Dissipation (Watts)
0.25	7200	0.125
0.5	3600	0.25
1.00	1800	0.50
2.00	900	1.00

The addition of the end of line resistors is limited to a maximum working voltage of 30V d.c.

When this option is invoked a warning is included on an external label stating DO NOT OPEN WHEN AN EXPLOSIVE GAS ATMOSPHERE IS PRESENT.

Additionally a label fitted externally warns the user that cabling suitable for a temperature of 85°C for the T5 version.

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Report No.

01(C)0784 dated 30 May 2001

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Special Conditions For Safe Use

The flamepath between the pushrod and bush assembly has a maximum diametral clearance of 0.1mm, this is less than that permitted by EN 50018: 2000. The user shall ensure that this diametral clearance is not exceeded in service.



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EC-TYPE EXAMINATION CERTIFICATE N° BAS01ATEX2113X

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Essential Health and Safety Requirements

EUROPEAN COMMUNITY DIRECTIVE 94/9/EC		
ESSENTIAL HEALTH & SAFETY REQUIREMENTS (ANNEX II)		
Clause	Requirement	Conformity Demonstrated by:
1.0 GENERAL REQUIREMENTS		
1.0.3	Special checking and maintenance conditions	See Special Conditions for Safe Use
1.0.6	Instructions	An instruction document shall be provided with each apparatus
1.2 DESIGN AND CONSTRUCTION		
1.2.2	Components for incorporation or replacement	No user serviceable parts
1.2.3	Enclosed structures and prevention of leaks	No source of internal gas release, internal ignitions considered as part of EN 50018
1.2.4	Dust deposits	Certification for gas atmospheres only
2.2 REQUIREMENTS FOR CATEGORY 2 OF EQUIPMENT - GROUP II		
2.2.1	Category 2G	This apparatus is designed to meet Group II category 2G requirements

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DRAWINGS

Number	Issue	Date	Description
14580	A	09/04/2001	General Arrangement (All Versions)
14581	A	09/04/2001	Certification and Warning Labels
14582	A	09/04/2001	Actuator Variations
14583	A	09/04/2001	General Arrangement (15A Version)
14584	A	09/04/2001	General Arrangement (EOL Version)
14585	A	09/04/2001	Terminal Block and Earthing Arrangements
14599	A	10/05/2001	Piston Actuator Arrangement (Type S24)
14600	A	10/05/2001	Piston Assembly Variation (Type S24)

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BASEEFA List Keywords
2PRESSWI



1 **SUPPLEMENTARY EC-TYPE EXAMINATION CERTIFICATE**

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

3 Supplementary EC-Type Examination Certificate Number: **BAS01ATEX2113X/1**

4 Equipment or Protective System: **PRESSURE SWITCH SERIES S20**

5 Manufacturer: **DELTA CONTROLS LIMITED**

6 Address: **West Molesey, Surrey, KT8 2UZ**

7 This supplementary certificate extends EC-Type Examination Certificate No. BAS01ATEX2113X to apply to equipment or protective systems 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.

This Supplementary Certificate shall be held with the original Certificate.

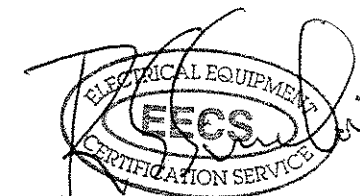
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File No: EECS 0279/01/015

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I M CLEARE
DIRECTOR
16 October 2001



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Schedule

14 **SUPPLEMENTARY EC-TYPE EXAMINATION CERTIFICATE N° BAS01ATEX2113X/1**

Description of the Variation to the Equipment or Protective System

VARIATION 1.1

Optional alternative methods for marking of cable entry threadform.

Report No.

None.

Special Conditions For Safe Use

See original certificate.

Essential Health and Safety Requirements

See original certificate.

DRAWINGS

Number	Issue	Date	Description
14580	B	18/09/2001	General Arrangement (All versions)
14635	A	26/09/2001	Alternative Non ISO Cable Entry Marking Arrangements

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1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

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

3 Supplementary EC - Type Examination Certificate Number : **BAS01ATEX2113X/2**

4 Equipment or Protective system: **PRESSURE SWITCH SERIES S20**

5 Manufacturer : **DELTA CONTROLS LIMITED**

6 Address : **West Molesey, Surrey, KT8 2UZ**

7 This supplementary certificate extends EC - Type Examination Certificate No. **BAS01ATEX2113X** to apply to equipment or protective systems 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.

This Supplementary Certificate shall be held with the original Certificate

The Electrical Equipment Certification Service, Notified Body Number 0600, retains responsibility for its original documentation. Baseefa (2001) Ltd. is responsible only for the additional work relating to this supplementary certificate and any other supplementary certificate that it has issued.

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Baseefa (2001) Ltd. Customer Reference No. **0279**

Project File No. **02/0310**

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A handwritten signature in black ink, appearing to read "R S Sinclair".

R S SINCLAIR

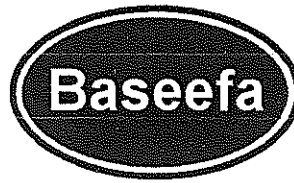
DIRECTOR

**On behalf of
Baseefa (2001) Ltd.**

Baseefa (2001) Ltd.

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Schedule

Description of the Variation to the Equipment or Protective System

VARIATION 2.1

Minor modifications to the certification label details to facilitate manufacture.

Report No.

None

Special Conditions for Safe Use

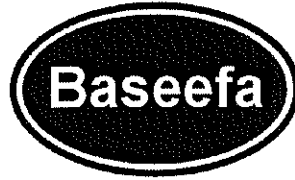
See original certificate.

Essential Health and Safety Requirements

See original certificate.

Drawings and Documents

Number	Issue	Date	Description
14581	B	08.10.2002	Certification and Warning Labels



1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

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

3 Supplementary EC - Type Examination Certificate Number: **BAS01ATEX2113X/3**

4 Equipment or Protective System: **Pressure Switch Series S20**

5 Manufacturer: **Delta Controls Limited**

6 Address: **West Molesey, Surrey, KT8 2UZ**

7 This supplementary certificate extends EC – Type Examination Certificate No. **BAS01ATEX2113X** to apply to equipment or protective systems 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.

This supplementary certificate shall be held with the original certificate.

The original certificate was issued by The Electrical Equipment Certification Service, Notified Body Number 0600, which retains responsibility for its original documentation. Baseefa (2001) Ltd., Notified Body Number 1180, is responsible only for the additional work relating to this supplementary certificate and any other supplementary certificate it has issued.

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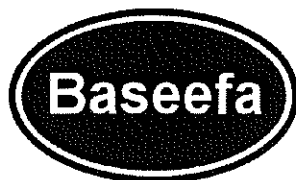
Project File No. **03/0975**

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R S SINCLAIR
DIRECTOR
On behalf of
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Schedule

14

Certificate Number BAS01ATEX2113X/3

15

Description of the variation to the Equipment or Protective System

Variation 3.1

Alternative end of line resistor.

16

Report Number

None

17

Special Conditions for Safe Use

None additional to those listed previously

18

Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

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Drawings and Documents

Number	Issue	Date	Description
14584	B	12.11.03	General Arrangement (EOL Version)



1 SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE

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

3 Supplementary EC - Type Examination Certificate Number: BAS01ATEX2113X/4

4 Equipment or Protective System: Pressure Switch Series S20

5 Manufacturer: Delta Controls Limited

6 Address: West Molesey, Surrey, KT8 2UZ

7 This supplementary certificate extends EC – Type Examination Certificate No. BAS01ATEX2113X to apply to equipment or protective systems 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.

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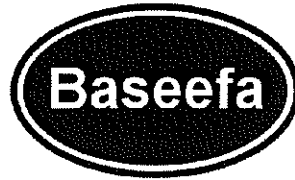
Project File No. 03/1022

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Baseefa (2001) Ltd.

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Schedule

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Certificate Number BAS01ATEX2113X/4

15

Description of the variation to the Equipment or Protective System

Variation 4.1

Modification of certification label to clarify detail and add temperature ranges for operational purposes.

16

Report Number

None

17

Special Conditions for Safe Use

None additional to those listed previously

18

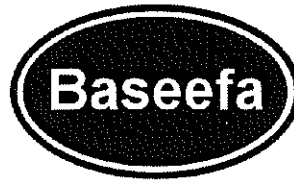
Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

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Drawings and Documents

Number	Issue	Date	Description
14581	C	03/12/2003	Certification and Warning Labels



1 SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE

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

3 Supplementary EC - Type Examination Certificate Number: BAS01ATEX2113X/5

4 Equipment or Protective System: Pressure Switch Series S20

5 Manufacturer: Delta Controls Limited

6 Address: West Molesey, Surrey, KT8 2UZ

7 This supplementary certificate extends EC – Type Examination Certificate No. BAS01ATEX2113X to apply to equipment or protective systems 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.

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Baseefa (2001) Ltd. Customer Reference No. 0279

Project File No. 04/0218

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DIRECTOR
On behalf of
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Schedule

14

Certificate Number BAS01ATEX2113X/5

15 **Description of the variation to the Equipment or Protective System**

Variation 5.1

Increase in the maximum drill depth to 14mm for the M4 mounting plate fixing holes located in the base of the enclosure.

16 **Report Number**

None.

17 **Special Conditions for Safe Use**

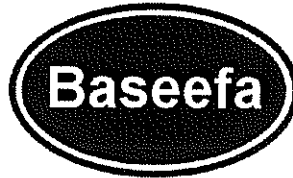
None additional to those listed previously.

18 **Essential Health and Safety Requirements**

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 **Drawings and Documents**

Number	Issue	Date	Description
14580	C	15/03/2004	General Arrangement (All Versions)



1 SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE

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

- 3** Supplementary EC - Type Examination Certificate Number: **BAS01ATEX2113X/6**
- 4** Equipment or Protective System: **Pressure Switch Series S20**
- 5** Manufacturer: **Delta Controls Limited**
- 6** Address: **West Molesey, Surrey, KT8 2UZ**

7 This supplementary certificate extends EC – Type Examination Certificate No. BAS01ATEX2113X to apply to equipment or protective systems 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.

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Baseefa (2001) Ltd. Customer Reference No. 0279

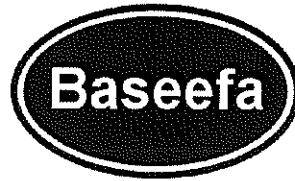
Project File No. 04/0255

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Certificate Number BAS01ATEX2113X/6

15

Description of the variation to the Equipment or Protective System

Variation 6.1

To permit the equipment to be used in explosive dust atmospheres, in accordance with EN 50281-1-1: 1998 + Amendment 1, in addition to explosive gases, mists and vapours.

The warning included on the information label now reads 'Do not open when an explosive atmosphere is present', IP6X is added to the certification label and the marking for the equipment is modified as follows:

Ex II 2 GD EEx d IIC T85°C (T_{amb} -60°C to +65°C)
T100°C (T_{amb} -60°C to +80°C)

16

Report Number

None.

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Special Conditions for Safe Use

None additional to those listed previously.

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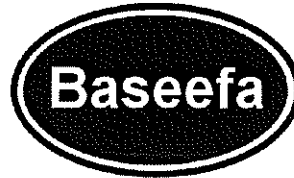
Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

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Drawings and Documents

Number	Issue	Date	Description
14580	D	23/03/2004	General Arrangement (All Versions)
14581	D	23/03/2004	Certification and Warning Labels



1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

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

3 Supplementary EC - Type Examination Certificate Number: **BAS01ATEX2113X/7**

4 Equipment or Protective System: **Pressure Switch Series S20**

5 Manufacturer: **Delta Controls Limited**

6 Address: **West Molesey, Surrey, KT8 2UZ**

7 This supplementary certificate extends EC – Type Examination Certificate No. **BAS01ATEX2113X** to apply to equipment or protective systems 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.

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Baseefa (2001) Ltd. Customer Reference No. 0279

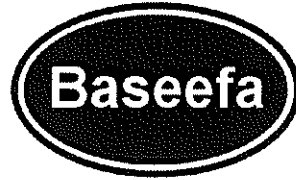
Project File No. 05/0099

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Baseefa

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Registered in England No. 4305578 at the above address.

R S SINCLAIR
DIRECTOR
On behalf of
Baseefa (2001) Ltd.



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Certificate Number BAS01ATEX2113X/7

15 **Description of the variation to the Equipment or Protective System**

Variation 7.1

Clarification of drawings with respect to the fitting of alternative terminal blocks.

16 **Report Number**

None.

17 **Special Conditions for Safe Use**

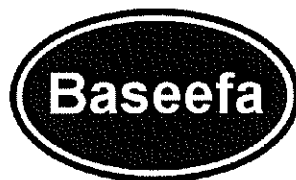
None additional to those listed previously.

18 **Essential Health and Safety Requirements**

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 **Drawings and Documents**

Number	Issue	Date	Description
14580	E	31/05/2005	General Arrangement (All Versions)
14581	E	28/04/2005	Certification and Warning Labels



1 SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE

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

- 3** Supplementary EC - Type Examination Certificate Number: **BAS01ATEX2113X/8**
- 4** Equipment or Protective System: **Pressure Switch Series S20**
- 5** Manufacturer: **Delta Controls Limited**
- 6** Address: **West Molesey, Surrey, KT8 2UZ**
- 7** This supplementary certificate extends EC - Type Examination Certificate No. BAS01ATEX2113X to apply to equipment or protective systems 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.

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Baseefa Customer Reference No. **0279**

Project File No. **05/0226**

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A handwritten signature in black ink, appearing to read "R S Sinclair".

Baseefa

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Registered in England No. 4305578 at the above address.

R S SINCLAIR
DIRECTOR
On behalf of
Baseefa (2001) Ltd.



13

Schedule

14

Certificate Number BAS01ATEX2113X/8

15

Description of the variation to the Equipment or Protective System

Variation 8.1

To provide an additional flamepath to the Type S24 process head to produce a Type 2S24 or a Type 3S24 pressure switch in accordance with EN 50284: 1999. The Type 2S24 and Type 3S24 pressure switches are manufactured in aluminium alloy and stainless steel respectively.

The pressure switch is permitted to be connected to a process system classified as Zone 0 as defined in EN 60079-10 when fitted with the 2S24 or 3S24 process head.

The marking for this arrangement is modified as follows;

⊕ II 1/2 GD EEx d IIC T85°C (T_{amb} -60°C to +65°C)
T100°C (T_{amb} -60°C to +80°C)

16

Report Number

None.

17

Special Conditions for Safe Use

None additional to those listed previously.

18

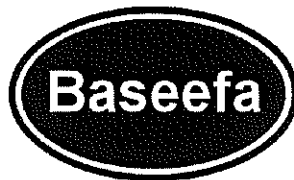
Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19

Drawings and Documents

Number	Issue	Date	Description
14771	A	14.04.05	General Assembly – Sxxx Process Head
14778	A	31.05.05	Certification and Warning labels



1 SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE

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

3 Supplementary EC - Type Examination Certificate Number: BAS01ATEX2113X/9

4 Equipment or Protective System: Pressure Switch Series S20

5 Manufacturer: Delta Controls Limited

6 Address: West Molesey, Surrey, KT8 2UZ

7 This supplementary certificate extends EC – Type Examination Certificate No. BAS01ATEX2113X to apply to equipment or protective systems 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.

This supplementary certificate shall be held with the original certificate.

The original certificate was issued by The Electrical Equipment Certification Service, Notified Body Number 0600, which retains responsibility for its original documentation. Baseefa (2001) Ltd., Notified Body Number 1180, is responsible only for the additional work relating to this supplementary certificate and any other supplementary certificate it has issued.

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


Baseefa Customer Reference No. 0279

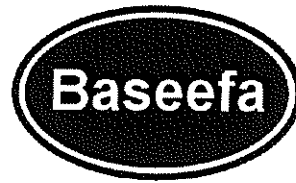
Project File No. 05/0665

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On behalf of
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13

Schedule

14

Certificate Number BAS01ATEX2113X/9

15

Description of the variation to the Equipment or Protective System

Variation 9.1

Clarification of drawings to define non critical issues.

16

Report Number

None.

17

Special Conditions for Safe Use

None additional to those listed previously.

18

Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19

Drawings and Documents

Number	Issue	Date	Description
14580	F	05.10.05	General assembly
14771	B	05.10.05	General Assembly – Code 2/3 S24 Process Head
14599	B	05.10.05	Piston Actuator S24-1500bar
14600	B	05.10.05	Piston Actuator S24



1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

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

3 Supplementary EC - Type Examination Certificate Number: **BAS01ATEX2113X/10**
4 Equipment or Protective System: **Pressure Switch Series S20**
5 Manufacturer: **Delta Controls Limited**
6 Address: **West Molesey, Surrey, KT8 2UZ**

7 This supplementary certificate extends EC – Type Examination Certificate No. BAS01ATEX2113X to apply to equipment or protective systems 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.

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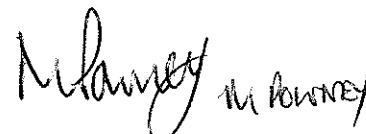
Baseefa Customer Reference No. 0279

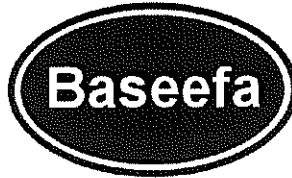
Project File No. 05/0852

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DIRECTOR
On behalf of
Baseefa (2001) Ltd.



13

Schedule

14

Certificate Number BAS01ATEX2113X/10

15 **Description of the variation to the Equipment or Protective System**

Variation 10.1

Clarification of drawing detail.

16 **Report Number**

None.

17 **Special Conditions for Safe Use**

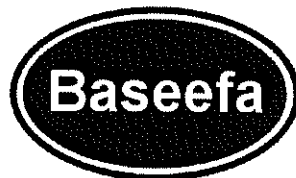
None additional to those listed previously.

18 **Essential Health and Safety Requirements**

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 **Drawings and Documents**

Number	Issue	Date	Description
14580	G	06.12.05	General assembly



1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

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

3 Supplementary EC - Type Examination Certificate Number: **BAS01ATEX2113X/11**

4 Equipment or Protective System: **Pressure Switch Series S20**

5 Manufacturer: **Delta Controls Limited**

6 Address: **West Molesey, Surrey, KT8 2UZ**

7 This supplementary certificate extends EC – Type Examination Certificate No. **BAS01ATEX2113X** to apply to equipment or protective systems 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.

This supplementary certificate shall be held with the original certificate.

The original certificate was issued by The Electrical Equipment Certification Service, Notified Body Number 0600, which retains responsibility for its original documentation. Baseefa (2001) Ltd., Notified Body Number 1180, is responsible only for the additional work relating to this supplementary certificate and any other supplementary certificate it has issued.

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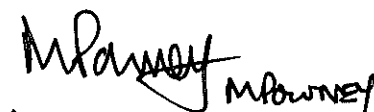
Baseefa (2001) Ltd. Customer Reference No. 0279

Project File No. 07/0495

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13

Schedule

14

Certificate Number BAS01ATEX2113X/11

15 **Description of the variation to the Equipment or Protective System**

Variation 11.1

To confirm that the equipment covered by this certificate has been reviewed against the requirements of EN 60079-0: 2006, EN60079-1: 2004, EN 61241-0: 2006 and EN 61241-1: 2004 in respect of the differences from EN 50014:1997 + Amds. 1 and 2, and EN50018: 2000 EN50281-1-1: 1998+ Amendment 1 respectively and that none of these differences affect this equipment.

⊕ II 2 GD Exd IIC T6 T85 A21 IP66 (T_{amb} - 60°C to + 65°C)
or Exd IIC T5 T100 A21 IP66 (T_{amb} - 60°C to + 80°C)

16 **Report Number**

None.

17 **Special Conditions for Safe Use**

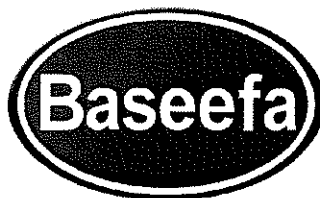
None additional to those listed previously.

18 **Essential Health and Safety Requirements**

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 **Drawings and Documents**

Number	Issue	Date	Description
14580	H	13/7/2007	General Arrangement
14581	F	13/7/2007	Wiring and Certification Label



1 SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE

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

3 Supplementary EC - Type Examination Certificate Number: BAS01ATEX2113X/12

4 Equipment or Protective System: Pressure Switch Series 20

5 Manufacturer: Delta Controls Limited

6 Address: West Molesey, Surrey, KT8 2UZ

7 This supplementary certificate extends EC – Type Examination Certificate No. BAS01ATEX2113X to apply to equipment or protective systems 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.

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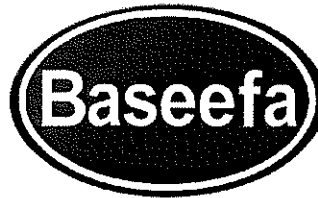
Baseefa Customer Reference No. 0279

Project File No. 08/0371

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14

Certificate Number BAS01ATEX2113X/12

15 Description of the variation to the Equipment or Protective System

Variation 12.1

To allow an increase in the flameproof diametral clearance between the pushrod and bush assembly to aid production, together with a consequent change in the Special Condition for Safe Use as detailed below

16 Report Number

Baseefa Test Report 08(C)0371

17 Special Conditions for Safe Use

None additional to those listed previously, the current Special Condition for Safe Use is changed to:

The flamepath between the pushrod and bush assembly has a maximum diametral clearance of 0.12mm. This is less than that permitted by EN60079-1: 2004. The user shall ensure that this diametral clearance is not exceeded in service

18 Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 Drawings and Documents

Number	Issue	Date	Description
14580	I	04/08/2008	General Arrangement