



**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: Baseefa04ATEX0131X/2**

**4 Equipment or Protective System: GREY PLASTIC ENCLOSURE RANGE TYPE AB400 ELITE AND  
XT400 ELITE, COMPLETE WITH SENSOR CIRCUITS**

**5 Manufacturer: Don Electronics Ltd**

**6 Address: Westfield Industrial Estate, Kirk Lane, Yeadon, Leeds, LS19 7LX**

**7 This supplementary certificate extends EC – Type Examination Certificate No. Baseefa04ATEX0131X 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.

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

Baseefa Customer Reference No. 4340

Project File No. 10/0088

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**

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Registered in England No. 4305578. Registered address as above.

R S SINCLAIR  
DIRECTOR  
On behalf of  
Baseefa



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## Schedule

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Certificate Number Baseefa04ATEX0131X/2

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

#### Variation 2.1

To allow an alternative external key pad.

#### Variation 2.2

To confirm that the equipment covered by this certificate has been reviewed against the requirements of EN 60079-0: 2009 and IEC 60079-31: 2009 in respect of the differences from EN 50281-1-1: 1998 + Amendment 1, and that none of these differences in the Standard affects this equipment other than the marking.

The marking will change as follows:

Ex tb IIIC T125°C Db IP66 Tamb -20°C to +50°C

### 16 Report Number

GB/BAS/TR10.0127/00

### 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
WE2005000-1	3	28/05/10	Generic label for 864A box
WE2005000-2	2	28/05/10	Generic label for 1084A enclosure
WE2005000-5ATEX	7	28/05/10	Alternative generic label for 1084A enclosure
DE2010006	0	28/05/10	Alternative generic label for the 864A enclosure
DE2010007	0	28/05/10	Generic label for the 864A enclosure
DE2010010	0	28/05/10	Generic label for the 1084A enclosure
DE2010012	0	28/05/10	Alternative generic label spacer for the 864A enclosure
DE2010013	0	28/05/10	Alternative generic label rear shield for the 864A enclosure
DE2010014	0	28/05/10	Generic label spacer for 864A enclosure
DE2010015	0	28/05/10	Generic label rear shield for the 864A enclosure
DE2010016	0	28/05/10	Generic label spacer for the 1084A enclosure
DE2010017	0	28/05/10	Generic rear shield for the 1084A enclosure

These drawings are common to and held on IECEx BAS05.0026X



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

3 Supplementary EC - Type Examination Certificate Number: **Baseefa04ATEX0131X/1**

4 Equipment or Protective System: **GREY PLASTIC ENCLOSURE RANGE TYPE AB400 ELITE AND  
XT400 ELITE, COMPLETE WITH SENSOR CIRCUITS**

5 Manufacturer: **WHEAT ELECTRONICS LIMITED**

6 Address: **Unit 4 108 Hookstone Chase, Harrogate, North Yorkshire, HG2 7HS**

7 This supplementary certificate extends EC – Type Examination Certificate No. Baseefa04ATEX0131X 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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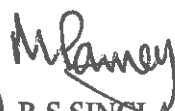
Baseefa Customer Reference No. 4340

Project File No. 05/0368

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## Schedule

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Certificate Number Baseefa04ATEX0131X/1

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

#### Variation 1.1

To include an additional empty plastic enclosure in the range, type 1084A.  
Size: 215mm x 266mm x 132mm.

The enclosure is manufactured in plastic. The enclosure consists of an opaque grey body and transparent/clear lid, complete with sponge gasket that is fitted in a rectangular groove in the lid. The lid is hinged to the body and secured by two stainless steel screws. The body has raised threaded bosses in the base to allow the securing of internal components/circuits. The enclosure has an ingress protection rating of IP66.

The enclosure may be fitted with one or more sensor circuits with a variety of different functions and circuit options. There must be a minimum of 10mm between the components and the enclosure wall.

The Maximum Power Dissipation for the 1084A enclosure is 12 Watts per circuit with each circuit within the enclosure being protected by a combination of fuse and zener diodes. The zener diode has a voltage rating which is selected to be as close as possible to the supply voltage.

#### Variation 1.2

To include a new generic label layout for the 864A and 1084A enclosures.

#### Variation 1.3

To rename the enclosure range to the 'Elite' range, allowing for a specific designation to suit the internal circuits fitted.

#### Variation 1.4

To include an optional internal label for customer relevant data/information.

#### Variation 1.5

Clarification of dimensions on the 864A enclosure.

### 16 Report Number

05(C)0368

### 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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**19 Drawings and Documents**

<b>Number</b>	<b>Issue</b>	<b>Date</b>	<b>Description</b>
*WE2004800-1	1	08/06/05	Enclosure detail Type 864A
*WE2004783-1	1	08/06/05	Enclosure detail Type 1084A
*WE2005000-1	1	14/06/05	864A box label
*WE2005000-2	1	14/06/05	1084A box label
WE2005000-4	0	11/05/05	Generic Zone 21 Schematic (12 Watts Max)
*WE2005000-5	1	14/06/05	Alternative internal label for type1084A Box

\* These drawings are common to and held on Baseefa04ATEX0130X



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4 Equipment or Protective System: **GREY PLASTIC ENCLOSURE RANGE TYPE AB400 ELITE AND  
XT400 ELITE, COMPLETE WITH SENSOR CIRCUITS**

5 Manufacturer: **WHEAT ELECTRONICS LIMITED**

6 Address: **Unit 4, 108 Hookstone Chase, Harrogate, North Yorkshire, HG2 7HS**

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 (2001) Ltd. 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. 04(C)0232-2

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
**EN50281-1-1:1998 + amd. 1**

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 2D T125°C T<sub>amb</sub> -20°C to 50°C**

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Baseefa (2001) Ltd. Customer Reference No. 4340

Project File No. 04/0232

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## Schedule

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Certificate Number Baseefa04ATEX0131X

### 15 Description of Equipment or Protective System

There is one size of empty enclosure (type A864) that forms the Type AB400 & XT400 range of enclosures.  
Size: 165mm x 210mm x 132mm.

The enclosure is manufactured in plastic. The enclosure consists of an opaque grey body and transparent/clear lid, complete with sponge gasket that is fitted in a rectangular groove in the lid. The lid is hinged to the body and secured by two stainless steel screws. The body has raised threaded bosses in the base to allow the securing of internal components/circuits. The enclosure has an ingress protection rating of IP66.

The enclosure may be fitted with one or more sensor circuits with a variety of different functions and circuit options. There must be a minimum of 10mm between the components and the enclosure wall.

The Maximum Power Dissipation for the enclosure is 12 Watts per circuit with each circuit within the enclosure being protected by a combination of fuse and zener diodes. The zener diode has a voltage rating which is selected to be as close as possible to the supply voltage.

### 16 Report Number

04(C)0232-2

### 17 Special Conditions for Safe Use

1. The enclosure is a static hazard and shall only be cleaned with a damp cloth.

### 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
*WE2004800-1	0	16/08/04	Enclosure detail Type 864A
WE2004805-4	0	02/08/04	Circuit diagram (12 Watts Max)
*WE2004805-1	2	09/09/04	AB400 Elite Label
*WE2004805-2	2	09/09/04	XT400 Elite Label

\* These drawings are common to and held on Baseefa04ATEX0130X