



# Epsilon

## 1 EC - Type Examination Certificate

2 Equipment intended for use in potentially explosive atmospheres

3 Certificate Number: EPSILON 07 ATEX 2319X

4 Equipment: Argus Exd Switch

5 Manufacturer: Pyropress Engineering Company

6 Address: Bell Close, Plympton,  
Plymouth, Devon.  
PL7 4JH

7 This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

8 Epsilon, Notified Body number 1712 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 design and construction of equipment and protective systems for use in potentially explosive atmospheres given in Annex II to the directive

The examination and test results are recorded in confidential report no RETS(A)2733/A/1 and A/2


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

BS EN 60079-0:2006, BS EN 60079-1:2007

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 EC-Type Examination Certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the Directive 94/9/EC. Further requirements of the directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by the certificate.

12 The marking of the equipment shall include the following:

 II 2 G Ex d IIC T6 (T<sub>amb</sub>= -50°C to +71°C)  
T5 (T<sub>amb</sub>= -50°C to +86°C)  
T4 (T<sub>amb</sub>= -50°C to +96°C)



On behalf of Epsilon

S L D'Henin  
Director

Date: 12 December 2007

Certificate 07 ATEX 2319X

This certificate may only be reproduced in its entirety and without any change, schedule included. The certificate is only valid when it carries an original signature and holographic security label. For help or assistance relating to this certificate, contact [cs@epsilonex.com](mailto:cs@epsilonex.com).

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13 **Schedule**

14 Certificate Number: EPSILON 07 ATEX 2319X

15 Description of Equipment or protective system

The Argus Exd Switch comprises an Ex d MS100 Microswitch fitted in to an Argus enclosure with cable termination via flying lead. To facilitate direct connection of the Argus to an Ex d or Ex e terminal enclosure the use of an optional suitably approved ATEX cable gland or the Pyropress cable gland as shown on drawing number 1293-A2. The Argus enclosure provides mechanical protection and switch actuation for the MS100 Microswitch and ensures that the cable connected to the MS100 is not subjected to torque or mechanical stress.

Alternating Current: 250Volts 5Amps.  
Direct Current: 30Volts 5Amps.

16 Descriptive Documents

16.1 Report No: RETS(A)2733-A/1 and A/2

16.2 Drawings:

Number	Date	Issue	Description
1289-A1	07-11-07	A	Certification Drawing Argus Ex d Switch
1293-A2	10-12-07	A	Certification Drawing Pyropress Cable Gland

17 Conditions of Certification

17.1 Special Conditions for Safe Use

The permanently attached cable associated with the apparatus shall be terminated in accordance with EN 60079-14.  
Appropriate overload protection must be provided during installation.

17.2 Conditions for Use  
None

18 Essential Health and Safety Requirements

Essential Health and Safety Requirements not covered by section 9:  
Covered by manufacturer's instructions.

The manufacturer shall inform the notified body of any modifications to the design of the product described by this schedule

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