



(1) **EC TYPE EXAMINATION CERTIFICATE**

(2) **Component intended for use on/in equipment or protective system  
intended for use in potentially explosive atmospheres  
Directive 94/9/EC**

(3) EC type examination certificate number: **ISSeP03ATEX006 U**

(4) Component: Control and instrument housing – series EMH 29 \*\*

(5) Applicant :  
JCE (Europe) Ltd

Manufacturer :  
JCE Group

(6) Address: East Way , Lee Mill Industrial Estate  
(applicant) Ivybridge , Devon PL21 9 LL  
England

(7) This component and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) ISSeP, notified body n° 492 in accordance with article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of components 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° 02102.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
EN 50014:1997+A1 et A2:199 EN 50018:2000 +A1:2002

(10) The symbol "U" placed after the certificate number indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.

(11) This EC TYPE EXAMINATION CERTIFICATE relates only to the design, examination and tests of the specified component in accordance to the Directive 94/9/EC. Further requirements of this Directive may apply to the manufacturing process and supply of this component. These are not covered by this certificate.

(12) The marking of the component shall include the following indications:

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Colfontaine, the 06 February 2003

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Zoning A. Schweitzer, rue de la Platinerie  
B-7340 COLFONTAINE (Wasmès)  
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Renaud Alain  
Manager of Colfontaine division

(13)

## SCHEDULE

(14)

### EC TYPE EXAMINATION CERTIFICATE N<sup>R</sup> ISSeP03ATEX006 U

(15) Description of the component:

Cylindrical control and instrument housing composed of a body and a screw-lid.

This component consists of an aluminum alloy flameproof enclosure and is provided with a window fitted in the cover. A variation of the housing made of stainless steel is allowed.

The designation of this apparatus is:EMH29 for the version made of aluminum.

EMH29SS for the version made of steel

EMH29E for the version made of aluminum with the body extension.

EMH29ESS for the version made of steel with the body extension.

Connection shall be made through two cable entries ,at most , with threaded holes of 20 mm diameter which are far-off 45 mm.

#### Routine tests

The manufacturer shall make the routine verifications and tests to ensure that the component produced complies with the specification submitted to the testing station together with the prototype.

The housing shall be submitted to a pressure routine test under the value of 12.05 bar maintained during at least 10 seconds (max. 60 seconds) .

(16) Report n° 02102 dated 06.02.2003 composed in total of 22 pages.

The drawings A3C-2939 issue 3 of 07.08.2002 (3 sheets).

(17) Special conditions for safe use: The quartz window can not be submitted to shock of which energy of impact exceeds 2 joules.

The maximum temperature of the sealing compound used for the window does not exceed 100°C.

(18) Essential Health and Safety Requirements: The schedule of limitations must meet the specifications of the clause D.2.2 of the standard EN 50018 to the certification of the full apparatus.

## VARIATION

### EC TYPE EXAMINATION CERTIFICATE N° ISSeP03ATEX006U/1

(14) Component : Control and instrument housing  
Series EMH 29 \*\*

(15) Subject to the variation :

The housing is exempted from the overpressure routine test.

This exemption doesn't apply to the housing having a cover provided with a window made of quartz glass

Marking : Unchanged

Eventual Prescriptions : None

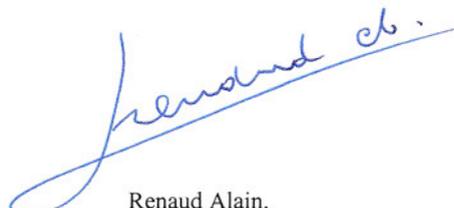
(16) Report n° 05040 of 9.05.2005 (9 pages) completed by the descriptive documents below :  
The note from the manufacturer - Ref. EMH29/05

(17) Special conditions for safe use : Unchanged

(18) Essential Health and Safety Requirements: covered by the standards listed at point 9 of the initial certificate

Colfontaine, 17.05.2005

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Renaud Alain,  
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This document may not be used without the original certificate