INERIS
INSTITUT NATIONAL DE L'ENVIRONNEMENT INDUSTRIEL ET DES RISQUES

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(2) **Equipment and protection systems intended for use in potentially explosive atmospheres Directive 94/9/EC**

# (1) EC-TYPE EXAMINATION CERTIFICATE

(3) Number of the EC type examination certificate: **INERIS 02ATEX0074**

(4) Protection system or equipment :

**ACOUSTIC SIREN TYPE ETH 12 MD**

(5) Manufacturer: **APPARECCHIATURE ELETTRICHE DI SICUREZZA (A.E.S)**

(6) Address: Circonvallazione per S.Angelo n°1
20098 S.Giuliano Milanese (MI)
**ITALY**

(7) This protection system or equipment and any other acceptable alternative of this one are described in the annex of this certificate and the descriptive documents quoted in this annex.

(8) The INERIS, notified body and identified under number 0080, in accordance with article 9 of Council Directive 94/9/EC of the 23rd March 1994, certifies that this protection system or equipment fulfils the Essential of Health and Safety Requirements relating to the design and construction of equipment and protection systems intended for use in potentially explosive atmospheres, described in appendix II of the Directive.

The examinations and the tests are consigned in official report N°P39367/02.

(9) The respect of the Essential Health and Safety Requirements is ensured by:

- conformity with:

| | | |
|---|---|---|
| EN 50 014 | of June | 1997 + A1 and A2 |
| EN 50 018 | of November | 2000 |

- specific solutions adopted by the manufacturer to meet the Essential Health and Safety Requirements described in the descriptive documents.

(10) Sign X, when it is placed following the Number of the EC type examination certificate, indicates that this equipment and protection system is subjected to the special conditions for safe use, mentioned in the annex of 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 this certificate.

(12) The marking of the equipment or the protection system will have to contain:

**Ex II 2 G** **EEx d IIC T6**

Verneuil-en-Halatte, 2002 12 10

C. PETITFRERE

Engineer at the Laboratory of Certification of Materials
ATEX

Director of the Certifying Body,
By delegation
B. PIQUETTE
Deputy manager of Certification

ATMOSPHERES EXPLOSIVES ORGANISME NOTIFIE INERIS NOTIFIED BODY EXPLOSIVE ATMOSPHERES

(13) # ANNEX

(14) **EC TYPE EXAMINATION CERTIFICATE N° INERIS 02ATEX0074**

(15) **DESCRIPTION OF THE EQUIPMENT OR THE PROTECTION SYSTEM**

The enclosure made in alluminium alloy consists of a body closed by a cover fitted

**PARAMETERS RELATING TO THE SAFETY**

Maximum supply voltage : 230 V (AC or DC)

Mamimum dissipated power : 12 W

**MARKING**

Marking must be readable and indelible; it must comprise the following indications:

- A.E.S
  Via per S.Angelo, 1
  S.Giuliano Mi
  ITALY

- ETH 12 MD
- INERIS 02ATEX0074
- (Serial number)
- (year of construction)
- Ⓔx **II 2 G**
- EEx d IIC T6
- DO NOT OPEN WHEN ENERGIZED

The whole marking can be carried out in the language of the country of use.

The protection apparatus or system must also carry the marking normally envisaged by the standards of construction which relate to it.

**ROUTINE EXAMINATIONS AND TESTS**

According to 16.1 of standard EN 50 018, each example of the material defined above must have successfully passed before delivery an overpressure test, of a period comprised between 10 and 60 secondes under 11,9 bar.

## (16) DESCRIPTIVE DOCUMENTS

The technical report is composed of the documents quoted hereafter, constituting the descriptive file of the apparatus, object of this certificate.

| | |
|---|---|
| - Descriptive note (2 pages) | signed on 2002.10.26 |
| - Instruction note (1 page) | signed on 2002.10.26 |
| - Drawing n° ETH 12 of 2001.06.14 | signed on 2002.10.26 |
| - Drawing n° ETH 12/1 of 2001.06.14 | signed on 2002.10.26 |
| - Drawing n° ETH 12/2 of 2001.06.14 | signed on 2002.10.26 |
| - Drawing n° ETH 12/3 of 2002.01.17 | signed on 2002.10.26 |
| - Drawing n° ETH 12/4 of 2002.01.17 | signed on 2002.10.26 |
| - Drawing n° ETH 12/5 of 2002.10.10 | signed on 2002.10.26 |

## (17) SPECIAL CONDITIONS FOR SAFE USE

The special conditions are defined in the instructions.

## (18) ESSENTIAL REQUIREMENTS OF SAFETY AND HEALTH

The respect of the Essential Health and Safety Requirements is ensured by:

- conformity to the European standards EN 50 014 and EN 50 018.
- the whole of the provisions adopted by the manufacturer and described in the descriptive documents.