



1. EC-TYPE EXAMINATION CERTIFICATE

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

3. EC-Type Examination Certificate Number: **ITS06ATEX25407X**

4. Equipment or Protective System: **I.S FlashDome**

5. Manufacturer: **HOSIDEN BESSON LIMITED**

6. Address: **St Josephs Close Trading Estate, Hove, East Sussex, BN3 7EZ**

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. Intertek Testing and Certification Limited, notified body number 0359 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 Number:
Intertek reference 06021431 dated January 2007

9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN 60079-0:2004, EN 60079-26:2004 and EN 50020:2002, except in respect of those requirements referred to 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, 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 protective system shall include the following:-



II 1 G, EEx ia IIC T4 [-40°C < Ta < +70°C]

II 1 G, EEx ia IIC T5 [-40°C < Ta < +40°C]

Intertek Testing & Certification Limited
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A T Austin
Deputy Certification Manager
08 January 2007

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Intertek Industrial

13. SCHEDULE

14. EC-TYPE EXAMINATION CERTIFICATE NUMBER ITS06ATEX25407X

15. DESCRIPTION OF EQUIPMENT OR PROTECTIVE SYSTEM

The I.S FlashDome is designed to provide an visible warning when energized from an external source.

The apparatus comprises of a printed circuit board (PCB) mounted in a moulded plastic (ABS) enclosure which provides a Degree of Protection of IP20 when the external connections are made and the mounting back-plate secured.

The maximum input parameters are:

$U_i = 28 \text{ V}$
 $I_i = 93 \text{ mA}$
 $P_i = 0.66 \text{ W}$

The equivalent parameters are

$C_i = 0$
 $L_i = 0$

16. REPORT NUMBER

Intertek reference 06021431 dated January 2007

17. SPECIAL CONDITIONS FOR SAFE USE

The I.S FlashDome has a plastic enclosure, which constitutes a potential electrostatic hazard. If the I.S FlashDome is installed in a Zone 0 location then it must be ensured that the enclosure is in a position where it is not susceptible to electrostatic charging.

The I.S FlashDome must be cleaned only with a damp cloth.

18. ESSENTIAL HEALTH AND SAFETY REQUIREMENTS (ESHR'S)

The relevant EHSR's that have not been addressed by the standards listed in this certificate have been identified and assessed in Intertek report reference 06021431 dated January 2007

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