



1 **EC TYPE-EXAMINATION CERTIFICATE**

2 Component intended for use in Potentially Explosive Atmospheres Directive 94/9/EC

3 Certificate Number: **Sira 04ATEX5056U** Issue: **2**

4 Component: **General Purpose Indicator Lamp**

5 Applicant: **Walsall Limited**

6 Address: Cornwallis Road
West Bromwich
West Midlands
B70 7DX
UK

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

8 Sira Certification Service, notified body number 0518 in accordance with Article 9 of 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 a component intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.


9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN 60079-0:2006 (IEC 60079-0:2007 was used for reference with marking)
EN 60079-7:2007
EN 60079-18:2004

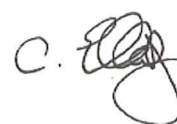
10 The sign 'U' is placed after the certificate number to indicate that the product assessed is a component and may be subject to further assessment when incorporated into equipment. Any special conditions for safe use are listed in the schedule to this certificate.

11 This EC type-examination certificate relates only to the design and construction of the specified component. If applicable, further requirements of this Directive apply to the manufacture and supply of this component.

12 The marking of the component shall include the following:

 II 2 G
Ex mb e IIC Gb

Project Number 51A16981R3
C. Index 05


C Ellaby
Certification Officer

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SCHEDULE

EC TYPE-EXAMINATION CERTIFICATE

**Sira 04ATEX5056U
Issue 2**

13 DESCRIPTION OF COMPONENT

The General Purpose Indicator Lamp is designed to be connected to AC supplies up to 240 V or 240 VAC, 50 to 1000 Hz and comprises a plastic housing that contains a control circuit board and LED. The housing is completely filled with encapsulating compound. The component is provided with increased safety terminals for connection to the supply circuit. These must be protected by an additional, suitably certified enclosure.

Variation 1 - This variation introduced the following changes:

- i. Following appropriate re-assessment to demonstrate compliance with the requirements of the EN 60079 series of standards, the documents originally listed in section 9, EN 50014:1997 (amendments A1 to A2), EN 50019:2000 and EN 50028:1987, were replaced by EN 60079-0:2006, EN 60079-7:2004, and EN 60079-18:2004, the markings in section 12 were updated accordingly.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report No.	Comment
0	11 March 2004	R53A10744A	The release of the prime certificate.
1	24 May 2005	R53A10744A	The prime certificate was re-issued to correct a typographical error.
2	11 August 2008	R51A16981R3AD	This Issue covers the following changes: <ul style="list-style-type: none"> • All previously issued certification was rationalised into a single certificate, Issue 2, Issues 0 and 1 referenced above are only intended to reflect the history of the previous certification and have not been issued as documents in this format. • The introduction of Variation 1.

15 SPECIAL CONDITIONS FOR SAFE USE

- 15.1 When installed in equipment, the maximum case temperature of the indicator lamp shall not exceed 60°C. The minimum case temperature shall not go below -40°C.
- 15.2 Assessment of the clearance distance between the terminals and earth, or other live parts, shall be carried out when the indicator lamp is installed inside a suitably certified, increased safety, enclosure.

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in the reports listed in Section 14.2.

17 CONDITIONS OF CERTIFICATION

- 17.1 The use of this certificate is subject to the Regulations Applicable to Holders of Sira Certificates.
- 17.2 Holders of EC type-examination certificates are required to comply with the production control requirements defined in Article 8 of directive 94/9/EC.
- 17.3 A visual inspection shall be carried out on each unit to check that they are completely filled with encapsulant.

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Sira Certification Service

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Certificate Annexe

Certificate Number: Sira 04ATEX5056U
Component: Walsall Limited
Applicant: General Purpose Indicator Lamp



Issue 0 and Issue 1

Drawing	Sheets	Rev.	Date	Title
GPIL/NB/01	1 of 2	-	29 Aug 03	General purpose indicator lamp
GPIL/NB/01	2 of 2	-	29 Aug 03	Schematic and PCB layout

Issue 2

Drawing	Sheets	Rev.	Date	Description
GPIL/NB/01	1 of 2	1	30 Jul 08	General purpose indicator lamp

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