



1 **EC TYPE-EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 07ATEX3277X** Issue: **0**

4 Equipment: **A Type HDL 105T Transformer**

5 Applicant: **Hadar Lighting Limited**

6 Address: Factory 1
Jubilee Industrial Estate
Ashington
Northumberland

7 This equipment and any acceptable variation thereto is 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 equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment 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 EN 61241-0: 2006
EN 60079-1: 2007 EN 61240-1: 2004
EN 60079-7: 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 and construction of the specified equipment. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.

12 The marking of the equipment shall include the following:



II 2 GD
Ex ed IIC T4 (Ta = -20°C to + 40°C) at 350 VA
or
Ex ed IIC T4 (Ta = -20°C to + 30°C) at 400 VA

Project Number 59A17386
C. Index 02

C Ellaby
Certification Officer

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SCHEDULE

EC TYPE-EXAMINATION CERTIFICATE

Sira 07ATEX3277X
Issue 0

13 DESCRIPTION OF EQUIPMENT

The Type HDL 105T Transformer comprises an enclosure housing a transformer, feed through terminals and a fuse holder; the transformer is rated up to 400 VA, 230 V a.c., 24 V a.c. or 48 V a.c. output. The enclosure is provided with up to two entry devices, either cable glands or input sockets, and between two and four output sockets or cable glands.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report no.	Comment
0	1 November 2007	R59A17386A	The release of the prime certificate.

15 SPECIAL CONDITIONS FOR SAFE USE (denoted by X after the certificate number)

15.1 The transformer enclosure shall only be mounted with the cover uppermost.

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.

Certificate Annexe

Certificate Number: Sira 07ATEX3277X
Equipment: A Type HDL 105T Transformer
Applicant: Hadar Lighting Limited



Issue 0

Number	Sheet	Rev.	Date	Description
ALC0012	1	0	23 Oct 07	General Assembly - HDL105T Transformer

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