



EC TYPE-EXAMINATION CERTIFICATE

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

Certificate Number: Sira 06ATEX1366X

Equipment: TOCSIN 102 Series Enclosure

Applicant: Extronics Limited

Address: Meridian House
Roe street
Congleton
Cheshire
CW12 1PG
UK

This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

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 confidential report number R51A15846A.

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 50014:1997 (amendments A1 & A2)
EN 50018:2000
EN 50281-1-1:1998

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.

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.

The marking of the equipment shall include the following:



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Project Number 51A15846
Date 17 January 2007
C. Index 14

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SCHEDULE

EC TYPE-EXAMINATION CERTIFICATE

Sira 06ATEX1366X

13 DESCRIPTION OF EQUIPMENT

The TOCSIN 102 Series Enclosure can be used to form either:

- a TOCSIN 102 Optical Assembly, maximum power dissipation 6 W; this unit utilises a glass window insert and is fitted with an optical unit e.g. camera.
- a TOCSIN 102 Gas Detector Assembly, maximum power dissipation 2 W; this unit utilises a sintered element insert and is fitted with a gas sensor.

The TOCSIN 102 Hazardous Area CCTV Camera Module consists of stainless steel body and insert. These two items are retained by a circlip and connected by a threaded flamepath. Whilst the body is a generic item, there are two types of insert; one incorporates a glass window (102 Optical Assembly) and the other a sintered element (102 Gas Detector Assembly). Both the glass window and sintered element are cemented in position (Devweld 531). The window is also fitted with a backing ring and circlip.

The rear of the body incorporates a cemented (Araldite CW1404 GB/HY1456 GB) bushing assembly. This allows the passage of permanently connected cable from inside to outside the enclosure. The permanently connected cable will be terminated in a suitably selected and certified enclosure.

14 DESCRIPTIVE DOCUMENTS

14.1	Drawing No.	Issue	Sheet	Date (Sira Stamp)	Title
	3449703	1	1 of 1	22 Nov 06	T102 Engraving Detail 'EXTRONICS'

14.2 Report number R51A15846A.

14.3 Certificate number Sira 02ATEX1271X dated 14 March 2003.

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

- 15.1 The free end of the permanently connected cable shall be protected in accordance with EN 50014:1997 clause 14.1.
- 15.2 In accordance with EN 50018:2000 clause 13.4.2 the rear end of bushing shall be protected by fitting it into a suitably certified enclosure. In addition, the bushing must not be subject to torque during installation.
- 15.3 The product shall not be connected to portable equipment.
- 15.4 The product that is fitted with a window has only been subjected to reduced risk impact tests in accordance with EN 50014:1997 clause 23.4.3.1; therefore it shall not be mounted in an area where there is a high risk of impact.
- 15.5 The product shall be earthed in accordance with EN 50014:1997 clause 15 when fitted to a suitably certified 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 report number R51A15846A.

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 This product shall be uniquely marked with the label identified in section 14.1 of this certificate.

Date 17 January 2007

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