



1 PRODUCTION QUALITY ASSURANCE NOTIFICATION

2 Equipment and protective systems intended for use in potentially explosive atmospheres Directive 2014/34/EU

3 Notification No. **SIRA 04 ATEX M303**

4 Equipment, protective system or components as listed:

Sensors, Transducers and Signalling Switches

Intrinsic Safety (ia, ib)

5 Applicant **Triton Controls Limited**

Unit 2, Randolph Industrial Estate
Evenwood, Bishop Auckland
County Durham
DL14 9SJ

6 Manufacturer As above

7 Sira Certification Service, Notified Body No. 0518 for Annexes IV & VII in accordance with Article 9 of the Council Directive 2014/34/EU of 20 April 2016, notifies to the applicant that the manufacturer has a quality system which complies with the requirements of Annexes IV & VII of Directive 2014/34/EU and EN ISO/IEC 80079-34.

8 This notification is based upon Sira Report No. 70106648 issued on 10 May 2017. This notification can be withdrawn if the manufacturer no longer satisfies the requirements of Annexes IV/VII. Results of periodical assessment of the quality system form part of this notification.

9 According to Article 10 [1] of Directive 2014/34/EU the CE marking shall be followed by the identification number 0518 of Sira Certification Service as the notified body involved in the production control stage.

Date of Initial Certification: 21 May 2004

Date of Expiry: 15 May 2018

On behalf of SCS



Notification No. **SIRA 04 ATEX M303**

Date of Issue: 01 June 2017

This certificate remains valid subject to the company maintaining its system to the required standards, which will be monitored by SCS.
The use of this Certificate and the Sira Certification Mark are subject to the Regulations Applicable to Holders of Sira Certificates

Sira Certification Service – Unit 6, Hawarden Industrial Park, Hawarden, Deeside, CH5 3US



EC TYPE-EXAMINATION CERTIFICATE

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

Certificate Number: Sira 04ATEX2187

Equipment: LR02-IS-L** Float Switch

Applicant: Triton Controls Limited

Address: Unit 2
Randolph Industrial Estate
Evenwood
Bishop Auckland
Co. Durham
DL14 9SJ
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 R52A10739A.

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 1 & 2
EN 50020:2002

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:



II 2 G

EEx ia IIC T6 (-20°C ≤ T_a ≤ +70°C)

D R Stubbings BA MIEE
Certification Manager

Project Number 52A10739
Date 16 July 2004
C. Index 13

This certificate and its schedules may only be reproduced in its entirety and without change

Sira Certification Service

Rake Lane, Eccleston, Chester, CH4 9JN, England
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Sira Certification Service is a service of Sira Test & Certification Ltd



SCHEDULE

EC TYPE-EXAMINATION CERTIFICATE

Sira 04ATEX2187

13 **DESCRIPTION OF EQUIPMENT**

The LR02-IS-L**M Float Switch (where ** denotes any length of cable up to 20 m \pm 5%) is designed to provide a voltage free contact that is activated by the position of the float switch. It comprises a float chamber, an integral cable and a stabilising weight. The float chamber houses a low-voltage, low-current, single pole, double throw, micro-switch that is totally sealed within a closed cell polyurethane foam insert. This micro switch is activated by a metallic, rolling ball. The stabilising weight is fixed to the integral cable approximately 120mm from the float chamber. The weight cover and the outer enclosure of the float chamber are both made from Hypalon CSP synthetic rubber. The integral cable is coated in vulcanised synthetic rubber. The LR02-IS-L**M Float Switch has the following safety parameters:

$$\begin{aligned}U_i &= 30 \text{ V} \\I_i &= 100 \text{ mA} \\C_i &= 0 \\L_i &= 0\end{aligned}$$

LR02-IS-L05M 5m \pm 5% Cable length

LR02-IS-L10M 10m \pm 5% Cable length

LR02-IS-L20M 20m \pm 5% Cable length

LR02-IS-L**M (where ** denotes any length of cable up to 20m \pm 5%)

14 **DESCRIPTIVE DOCUMENTS**

14.1	Drawing No.	Sheet	Rev.	Date	Description
	LR02-IS-A001	1 of 1	1	02 Jul 00	LR02-IS Assembly
	LR02-IS-A001	1 of 1	1	02 Jul 02	LR02-IS Parts List
	LR01-C0XX	1 of 1	3	27 Oct 01	Float Chamber (Bottom)
	LR01-C007	1 of 1	2	27 Oct 01	Float Chamber (Top)
	LR01-C005	1 of 1	1	03 Jan 97	Weight
	LR01-C018	1 of 1	2	27 Oct 01	Weight cover
	LR01-C019	1 of 1	2	27 Oct 01	Weight cover
	LR02-IS-C001	1 of 1	1	09 Jun 04	Certification Label
	CB07-CPE	1 of 1	4	20 Apr 00	Cable details
	LR05 B001 A	1 of 1	4	11 Nov 02	Internal Assembly
	LR05 B001 B	1 of 1	4	11 Nov 02	Internal Assembly
	LR02-B-INS	1 of 1	1	18 Nov 99	Insert

14.2 Report No. R52A10739A

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

None

Date 16 July 2004

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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 No. R52A10739A.

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 The length of the integral cable must not exceed 20m \pm 5%.

Date 16 July 2004

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