



1 **EC TYPE-EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 04ATEX1337** Issue: **2**

4 Equipment: **DANLOAD 6000 Batch Loading Controller**

5 Applicant: **Fisher Controls**

6 Address: Marshaltown
IOWA
USA
Mfg location 362

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 50014: 1997 (amendments A1 & A2) EN 50018: 2000 EN 13463 – 1: 2001

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 G
EEx d IIB T6
Ta -20°C to +60°C

Project Number 59A17574
C. Index 12

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D R Stubbings BA MIET
Certification Manager



SCHEDULE

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13 DESCRIPTION OF EQUIPMENT

The DANLOAD 6000 is a dual microprocessor-based batch controller for liquid product distribution at loading facilities. Applications include truck, rail, marine, aviation and pipeline. Designed to deliver precise preset amounts of product from tank storage or pipeline to vehicle or vessel, the DANLOAD 6000 is user configured to support a wide variety of functions. It comprises a two piece metallic enclosure, lid and body. These form a flanged flamepath, which are secured together by fourteen M10 stainless steel hexagonal socket head screws. The lid incorporates a window, which also forms a flanged flamepath, and a keypad. The keypad utilises 'hall effect' sensors therefore no penetration through the enclosure wall is required. The body of the enclosure has cable entries, which are M25, M32 or M50. The individual units have different internal configurations as detailed on the certification drawings.

Variation 1 - This variation introduced the following changes:

- i. To permit the supplier of the enclosure castings to be changed and the introduction of minor machining detail amendments.
- ii. To permit the cable entry point thread forms to be changed to 2-11½" NPSM and 1-11½" NPSM.
- iii. To permit the introduction of new certification schedule drawings.

Variation 2 - This variation introduced the following changes:

- i. To permit modification of tolerances associated with the cover fastener clearance holes.
- ii. To permit the addition of four external mounting holes on the base of the enclosure.
- iii. To permit alternative arrangement for both the internal and external earth facilities.
- iv. To permit modification of tolerances associated with cover fastener hole position together with clarification of the drawing details to aid manufacture.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report No.	Comment
0	18 January 2005	R51A8735A R51V12566A	The release of the prime certificate.
1	22 November 2006	R51A15755A	The introduction of Variation 1.
2	2 July 2008	R59A17574A	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 to 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 2.

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- 15 **SPECIAL CONDITIONS FOR SAFE USE** (denoted by X after the certificate number)
None
- 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.

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