



1 **TYPE EXAMINATION CERTIFICATE**

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

3 Type Examination Certificate Number: Sira 03ATEX4173X

4 Equipment: RCA Pilot Solenoid Enclosures

5 Applicant: Goyen Controls

6 Address: 268 Milperra Road
Milperra
Sydney
New South Wales 2214
Australia

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

8 Sira Certification Service certifies that this equipment has been found to comply with the Essential Health and Safety Requirements that relate to the design of Category 3 equipment, which is intended for use in potentially explosive atmospheres. These Essential Health and Safety Requirements are given in Annex II to European Union Directive 94/9/EC of 23 March 1994.

The examination and test results are recorded in confidential report number R53A9662A.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:

EN 50021:1999

EN 50281-1-1:1998 (A1 and A2)

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 TYPE EXAMINATION CERTIFICATE relates only to the design of the specified equipment, and not to specific items of equipment subsequently manufactured.

12 The marking of the equipment shall include the following:



II 3GD
EEEx nA II T6

Project Number 53A9662A
Date 17 June 2003
C. Index: 12

C Ellaby
Certification Officer

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

Sira Certification Service

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SCHEDULE

TYPE EXAMINATION CERTIFICATE NUMBER:

Sira 03ATEX4173X

13 DESCRIPTION OF EQUIPMENT

The RCA Pilot Solenoid Enclosures utilise aluminium enclosures that contain up to twelve solenoids fitted to one side. The solenoids have power ratings up to 28 watts and are rated at 12 V or 24 V dc or 100 up to 240 V ac, 50 or 60 Hz.

Inside the enclosures, the solenoid coils have screw clamp terminals for the supply connections. Each enclosure may have one or two cable entry points that are suitable for threaded conduit or cable glands.

14 DESCRIPTIVE DOCUMENTS

14.1	Drawing No.	Sheet	Rev.	Date	Title
	690598	1 of 1	3	8 Mar 01	Solenoid/pilot valve
	690970	1 of 1	1	16 Apr 03	RCA 3-8V8 arrangement
	690971	1 of 1	1	16 Apr 03	Label
	690972	1 of 1	1	06 May 03	Enclosure Layouts

14.2 Report No. R53A9662A

15 SPECIAL CONDITIONS FOR SAFE USE

15.1 The solenoids shall be operated on a maximum duty cycle of 0.5 seconds on, 60 seconds off.

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in Report No. R53A9662A.

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 Type Examination Certificates are required to comply with the production control requirements defined in Article 8 of directive 94/9/EC.

Each manufactured product shall be subjected to an electric strength that shall be applied between the main supply leads and earth for at least 60 s and no more than 63 s as required by clause 9.1 of EN 50021:1999. The applied test voltage depends on the supply voltage as detailed below:

Supply voltage (U)

<90 V
>90 V

Test voltage

500 V rms
 $2 \times U + 1000$ (minimum 1500 V)

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