



1 **EU-TYPE EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: **Sira 01ATEX2147** Issue: **6**

4 Equipment: **Intrinsically Safe Programmer**

5 Applicant: **Siemens Canada Limited  
Siemens Milltronics Process Instruments**

6 Address: **1954 Technology Drive  
Peterborough, Ontario  
Canada K9J 6X7**

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

8 CSA Group Netherlands B.V., Notified Body Number 2813 in accordance with Articles 17 and 21 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, 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 IEC 60079-0:2018                      EN 60079:11:2012                      EN 60079-28:2015

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to Specific Conditions of Use identified in the schedule to this certificate.

11 This EU-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 1 G D

Ex ia op is IIC T4 Ga

Ex ia op is IIIC T135 °C Da

Ta = -20°C to +50°C

Project Number    80082362

Signed: J A May

Title: Director of Operations

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**CSA Group Netherlands B.V.**  
Utrechtseweg 310,  
6812 AR, Arnhem,  
Netherlands



## SCHEDULE

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#### 13 DESCRIPTION OF EQUIPMENT

The Intrinsically Safe Programmer is an infrared remote controller for use with other equipment. The apparatus is a self contained, hand held, battery powered device comprising an infrared LED, an encapsulated printed circuit board (PCB) and battery, both housed inside a conductive plastic enclosure. A keypad is located on the lid.

**Variation 1** - This variation introduced the following changes:

- i. The rationalisation of the marking onto one document, drawing number 24251256.
- ii. The removal of copper flooding on the bottom copper layer.

**Variation 2** - This variation introduced the following changes:

- i. Following appropriate re-assessment to demonstrate compliance with the requirements of the EN 60079 series of standards, the documents originally listed in section 9, EN 50014:1997 (amendments 1 and 2), EN 50020:1994 and EN 50284:199, were replaced by those currently listed, the markings in section 12 were updated accordingly and the conditions were modified to recognise the requirements of the latest standards.
- ii. To allow an increase in the ambient temperature from +40°C to +50°C.
- iii. The addition of an assessment against the dust standards.

**Variation 3** - This variation introduced the following changes:

- i. Schematic drawing number changed from 0-24751508-31 Rev 08 to P5Z00012683 Rev 001.
- ii. Clarification of current component values, part numbers.
- iii. Elimination of unused options.
- iv. PCB artwork drawing number changed from PBD-24751508 Rev 09 to PBD-24751508D Rev 013.
- v. No change to PCB artwork.
- vi. Name change of manufacturer.

**Variation 4** - This variation introduced the following changes:

- i. Following appropriate assessment to demonstrate compliance with the latest technical knowledge, EN 60079-0:2006 and EN 60079-11:2007 were replaced by EN 60079-0:2012 and EN 60079-11:2012 respectively. The dust requirements of IEC 61241-0 and IEC 61241-11 are withdrawn and replaced by requirements of IEC 60079-0 and IEC 60079-11. The marking was amended accordingly.
- ii. IEC 60079-26 has been removed as this standard specifies alternative requirements for construction, test and marking for "Ga" electrical equipment only when single standardised Types of Protection (Ex "ia") cannot be applied which is not the case with the equipment under consideration. Hence, the standard has not been applied.
- iii. Assessment of the optical radiation, i.e. infra-red LED source to 'op is' requirements of EN 60079-28:2015. The marking and product description was amended accordingly.
- iv. On the marking label, Notified Body number adjacent to CE mark has been replaced with '2813', where '2813' denotes the Notified Body responsible for QAN (ATEX Quality Assurance Notification).
- v. The change of the Applicant and Manufacturer addresses from Siemens Canada Limited trading as Siemens Milltronics Process Instruments, 1954 Technology Drive, P.O. Box 4225, Peterborough, Ontario, K9J 7B1, Canada, to Siemens Canada Limited, Siemens Milltronics Process Instruments, 1954 Technology Drive, Peterborough, Ontario, K9J 6X7, Canada.

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**Variation 5** - This variation introduced the following changes:

- i. Following appropriate assessment to demonstrate compliance with latest versions of technical knowledge, EN 60079-0:2012 is replaced by EN IEC 60079-0:2018.
- ii. Revision to nameplate drawing number 24251516.

#### 14 DESCRIPTIVE DOCUMENTS

##### 14.1 Drawings

Refer to Certificate Annexe.

##### 14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	27 November 2001	R52A7813A	The release of the prime certificate.
1	15 August 2003	R51A10413A	The introduction of Variation 1.
2	12 March 2009	R52A18416A	This Issue covers the following changes: <ul style="list-style-type: none"><li>• 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.</li><li>• The introduction of Variation 2.</li></ul>
3	16 June 2016	R700573750	This Issue covers the following changes: <ul style="list-style-type: none"><li>• <i>(In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Variations to such EC-Type Examination Certificates may continue to bear the original certificate number issued prior to 20 April 2016.)</i></li><li>• The introduction of Variation 3</li></ul>
4	15 October 2019	1264	Transfer of certificate Sira 01ATEX2147 from Sira Certification Service to CSA Group Netherlands B.V.
5	20 November 2019	R70214618A	The introduction of Variation 4.
6	05 October 2021	R80082362A	The introduction of Variation 5.

#### 15 SPECIFIC CONDITIONS OF 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.

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#### 17 CONDITIONS OF MANUFACTURE

- 17.1 The use of this certificate is subject to the Regulations Applicable to Holders of CSA Certificates.
- 17.2 Holders of EU-Type Examination certificates are required to comply with the conformity to type requirements defined in Article 13 of Directive 2014/34/EU.

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# Certificate Annexe

Certificate Number: Sira 01ATEX2147

Equipment: Intrinsically Safe Programmer

Applicant: Siemens Canada Limited  
Siemens Milltronics Process Instruments

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Issues 0 to 2. The drawings listed with these Issues were rationalised and have been superseded by those detailed in Issue 3

## Issue 3

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
23650158	1 of 1	1	09 May 01	Intrinsically Safe Hand Programmer General Assembly
23650218	1 of 1	0	06 Jun 01	Intrinsically Safe Hand Programmer General Assembly, Siemens Version
51034117	1 of 1	3	04 Mar 16	IS Programmer P5Z00012683 (0-24751508) COMPONENT PARTS LIST DRAWING
P5Z00012683	1 to 2	001	04 Mar 16	CALIBRATOR, IS schematic
PBD-24751508D	1 to 3	013	04 Mar 16	PCB CALIBRATOR, IS artwork
24251516	1 of 1	7	04 Mar 16	I.S. PROGRAMMER NAMEPLATE, CSA / FM, ATEX, IECEX, CE, C-TICK, INMETRO LASER MARKING DRAWING

Issue 4 - No new drawings were introduced.

## Issue 5

Drawing	Sheets	Rev.	Date (Sira Stamp)	Title
24251516	1 of 1	9	15 Nov 19	I.S. Programmer nameplate, CSA/FM, ATEX, IECEX, CE, C-TICK, INMETRO, LASER MARKING DRAWING

Issue 6 The following drawing was modified

Drawing	Sheets	Rev.	Date (Stamp)	Title
24251516	1 of 1	12	09 Jun 21	I.S. Programmer Nameplate, CSA, FM, ATEX, UKEX, IECEX, CE, RCM, INMETRO Laser Marking Drawing

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