



1 **TYPE EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 13ATEX4186X** Issue: **2**

4 Equipment: **DEPIC Series Non-Contact Position Transmitters, Models D410, D420, F410, and F420**

5 Applicant: **Westlock Controls Corporation**

6 Address: 280 North Midland Avenue  
Saddle Brook  
New Jersey 07663  
USA

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. certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design of Category 3 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 60079-0:2012/A11:2013

EN 60079-15:2010

EN 60079-31:2009

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 Type Examination Certificate relates only to the design of the specified equipment, and not to specific items of equipment subsequently manufactured. 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 3GD  
Ex nA IIC T4 Gc  
Ex tc IIIC T90°C Dc  
Ta = -50°C to +85°C  
IP6X

Project Number 0843

Signed:

Title: Director of Operations

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



## SCHEDULE

### TYPE EXAMINATION CERTIFICATE

Sira 13ATEX4186X  
Issue 2

#### 13 DESCRIPTION OF EQUIPMENT

Models D410 and D420 are two-wire transmitters designed to convert a valve position into a 4-20 mA output signal. They comprise of a cylindrical flameproof-proof enclosure consisting of an aluminium body and cover that contains printed circuit boards and a Hall Effect Sensor. The model D410 differs from the model D420 in that the D410 enclosure cover is provided with a window and also contains a switch board.

Models F410 and F420 are meant to be connected via a Foundation Fieldbus connection and are designed to convert a valve position into a communication signal to be transmitted via the Foundation Fieldbus system. They also consist of a flame-proof enclosure consisting of an aluminium body and a cover and contain printed circuit boards connected to a Hall Effect Sensor. The model F410 differs from the model F420 in that the F410 enclosure cover is provided with a glass window.

Models D410 and F410 share the same windowed enclosure. Models D420 and F420 share the same windowless enclosure.

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

- i. The PCB Digital Epic, used in models D410 and D420, was replaced with a new PCB board. The marking was amended as a result of this change.
- ii. The model D410 was allowed to be used with additional connections.
- iii. A new Condition of manufacture was added.
- iv. The UK address of the applicant was removed.
- v. The product description was clarified to retrospectively recognise the switch board.
- vi. Minor drawing modifications were recognized, including update of the Hall Effect sensor assembly and these amendments do not affect the aspects of the product that are critical to explosion safety.

#### 14 DESCRIPTIVE DOCUMENTS

##### 14.1 Drawings

Refer to Certificate Annexe.

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

Issue	Date	Report number	Comment
0	30 December 2014	R70007775A	The release of the prime certificate.
1	17 July 2017	R70096983A	This Issue covers the following changes: <ul style="list-style-type: none"><li>• Type Examination Certificate in accordance with 94/9/EC updated to Type Examination Certificate in accordance with Directive 2014/34/EU. (In accordance with Article 41 of Directive 2014/34/EU, 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 Type Examination Certificates may continue to bear the original certificate number issued prior to 20 April 2016.)</li><li>• The introduction of Variation 1.</li></ul>

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## SCHEDULE

### TYPE EXAMINATION CERTIFICATE

**Sira 13ATEX4186X**  
**Issue 2**

2	15th October 2019	0843	<ul style="list-style-type: none"><li>Transfer of certificate <b>Sira 13ATEX4186X</b> from Sira Certification Service to CSA Group Netherlands B.V..</li></ul>
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### 15 SPECIFIC CONDITIONS OF USE

- 15.1 The blanking plugs provided by the manufacturer with the equipment shall be used to close any unused threaded entries in the equipment and shall not be used with an adapter. Anti-Seize Copper Grease manufactured by Rocol shall be used when installing the blanking plugs.

### 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 reports listed in Section 14.2.

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# Certificate Annexe



**Certificate Number:** Sira 13ATEX4186X

**Equipment:** DEPIC Series Non-Contact Position Transmitters, Models D410, D420, F410, and F420.

**Applicant:** Westlock Controls Corporation

## Issue 0

Drawing	Sheets	Rev.	Date (Sira Stamp)	Title
MS-10689	1 to 2	D	05 Dec 14	Certification Drawing for Digital EPIC D-410, F-410, D-420 & F-420
EN-11553	1 to 1	A	05 Dec 14	Housing Casting ICOT Remote Mount Rotary EPIC ICOT-XP
EN-11411	1 to 1	E	05 Dec 14	HSG Prelim #2 Mchd D410/D420 D-Epic Hart /FF STD
EN-11412-XXX	1 to 1	C	05 Dec 14	HSG Mchd D-EPIC HART Std
EN-10796	1 to 1	E	05 Dec 14	Intellis IQ Junction Cover Casting
EN-10457	1 to 1	C	05 Dec 14	Quantum IQ Junction Housing Cover
EN-11559	1 to 1	Initial Release	05 Dec 14	ICOT-XP Cover Preliminary Machining
EN-11566	1 to 1	C	05 Dec 14	ICOT-XP Cover Final Machining
IN-10401	1 to 1	Initial Release	05 Dec 14	Display Window XP (HART EPIC)
MS-10799	1 to 1	A	05 Dec 14	Cover Assembly D410 XP / ICOT-XP
SC10143 For EL30384	1 to 1	19N	05 Dec 14	Digital Epic (HART)
EL-30384	1 to 4	N	05 Dec 14	Assembly Drawing Digital EPIC (HART)
EL-20531	1 to 1	F	05 Dec 14	Fabrication Drawing Digital EPIC (HART)
SC10181 For EL30457	1 to 1	04	05 Dec 14	Digital Epic (Hart) Switch Board
EL-30457	1 to 1	Initial Release	05 Dec 14	Assembly Drawing Digital EPIC (HART) Switch Board
EL-20620	1 to 2	Initial Release	05 Dec 14	Fabrication Drawing Digital EPIC (HART) Switch Board
EL-20547	1 to 1	A	05 Dec 14	Digital EPIC/HART Switch Bd Switch Interface Assembly
SW-30060	1 to 1	D	05 Dec 14	ICOT Hall Effect Sensor Assembly Remote
SC10206	1 to 1	B-08	05 Dec 14	Foundation Fieldbus Epic Power and Bus In
SC10207	1 to 1	05	05 Dec 14	Foundation Fieldbus Epic CPU Board
EL-30527-084	1 to 1	Initial Release	05 Dec 14	FF Epic Pcb Set Piezo Mode
EL-30500	1 to 3	B	05 Dec 14	Assembly Drawing Foundation Fieldbus Epic CPU Board
EL-30499-002	1 to 4	B	05 Dec 14	Assembly Drawing FF-Epic Power and Bus In Board
EL-30499-001	1 to 4	B	05 Dec 14	Assembly Drawing FF-Epic Power and Bus In Board
EL-20684	1 to 2	A	05 Dec 14	Fabrication Drawing Foundation Fieldbus Epic CPU Board
EL-20683	1 to 2	A	05 Dec 14	Fabrication Drawing FF-Epic Power and Bus In Board

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# Certificate Annexe



**Certificate Number:** Sira 13ATEX4186X

**Equipment:** DEPIC Series Non-Contact Position Transmitters, Models D410, D420, F410, and F420.

**Applicant:** Westlock Controls Corporation

LB-11403-XXX	1 to 2	Initial Release	05 Dec 14	I.D. Label Ex nA 410/420 D-Epic ATEX
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## Issue 1

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
EL-30505	1 to 3	F	29 Jun 17	Assembly Drawing Digital EPIC (HART) IS Version (for use in models D410 and D420)
SC10211 for EL30505	1 of 1	30 E	29 Jun 17	Digital Epic (HART) IS Version (in models D410 and D420)
EL-20689	1 to 2	E	29 Jun 17	Fabrication Drawing Digital EPIC (HART) IS Version (in models D410 and D420)
EL-20689_9209	1 to 12	E	29 Jun 17	Artwork Digital Epic (Hart) IS Version ( used in models D410 and D420)
SP-20183	1 of 2	A	29 Jun 17	Conformal coating specification for EL-30505 Hart Epic I.S
SP-40000	1 of 1	A	29 Jun 17	Specification of conformal coating for EL-30457 Digital Epic (Hart) Switch Board
SW-30060	1 of 1	F	29 Jun 17	ICOT Hall Effect Sensor Assembly Remote
LB-11403-XXX	1 of 2	C	29 Jun 17	I.D Label Ex nA 410/420 D-Epic ATEX / IECEx

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