



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEx CSA 11.0007X** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 3 [Issue 2 \(2017-09-06\)](#)
Date of Issue: 2021-03-09 [Issue 1 \(2015-02-13\)](#)
[Issue 0 \(2011-08-04\)](#)
Applicant: **Westlock Controls Corporation**
280 North Midland Avenue
Saddle Brook, NJ 07663
United States of America
Equipment: **DEPIC Series Non-Contact Position Transmitters, Models D410, D420, F410, and F420.**
Optional accessory:
Type of Protection: **Ex d, Ex nA, Ex tb**
Marking: Ex d IIB + H2 T5 Gb
Ex nA IIC T4 Gc
Ex tb III C T90°C Db
-50°C < Tamb < +85°C
IP66/67

Approved for issue on behalf of the IECEx
Certification Body:

Dorin Stochitoiu

Position:

Technical Oversight Specialist

Signature:
(for printed version)

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

CSA Group
178 Rexdale Boulevard
Toronto, Ontario M9W 1R3
Canada





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Manufacturer: **Westlock Controls Corporation**
280 North Midland Avenue
Saddle Brook, NJ 07663
United States of America

Additional manufacturing locations: **None**

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-1:2007-04 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:6

IEC 60079-15:2010 Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
Edition:4

IEC 60079-31:2008 Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'
Edition:1

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Reports:

[CA/CSA/ExTR08.0012/00](#)
[CA/CSA/ExTR08.0013/00](#)

[CA/CSA/ExTR08.0012/01](#)
[CA/CSA/ExTR08.0013/01](#)

[CA/CSA/ExTR08.0012/02](#)
[CA/CSA/ExTR08.0013/02](#)

Quality Assessment Report:

[US/FMG/QAR08.0002/11](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

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

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.

SPECIFIC CONDITIONS OF USE: YES as shown below:

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



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1:

1. Update of Certification of transmitter models D410 and D420 from Standard IEC 60079-0:2004 Ed.4 to Standard IEC 60079-0:2011 Ed.6. As part of that update the certification code for types of protection Ex d and Ex nA was revised to include the Gb and Gc suffixes and the gas group designation for type of protection Ex nA was revised from "II" to "IIC".
2. Addition of Ex tb IIC T88°C Db Certification for transmitter models D410 and D420 to the requirements of Standard IEC 60079-31:2008 Ed. 1
3. Addition of new transmitter models F410 and F420, certified for Ex d IIB+ H2 T5 Gb, Ex nA IIC T4 Gc, and Ex tb IIC T88°C Db, -50°C < Tamb < +85°C IP66/67, to the requirements of Standards IEC 60079-0:2011 Ed.6, IEC 60079-1:2007 Ed.6, IEC 60079-15:2010 Ed.4 and IEC 60079-31:2008 Ed.1.

Issue 2:

1. PCB in models D410 and D420 was replaced with a new PCB. The Ex tb marking was updated as a result of this.
2. Model D410 was allowed to be used with additional field wiring connections and rating was updated as a result.
3. A new condition of manufacturer was added.
4. One of the manufacturing locations was removed.
5. The product description was clarified.
6. The manufacturer's documents were updated to reflect new or revised drawings.

Issue 3:

Update of the certificate to remove link to the obsolete QAR.