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 SIR 08.0115X**	Page 1 of 4	Certificate history:
Status:	**Current**	Issue No: 1	Issue 0 (2008-12-01)
Date of Issue:	2022-02-11		
Applicant:	**Westlock Controls Corporation** 280 Midland Ave. Saddle Brook, NJ 07663 **United States of America**		
Equipment:	**Valve Position Monitors UK Part Number 3800 (US Part Number 789-)**		
Optional accessory:			
Type of Protection:	**Type 'n'**		
Marking:	Ex nA IIC T3 Gc (Ta = -20 °C to 70 °C)		

Approved for issue on behalf of the IECEx Certification Body: **Neil Jones**

Position: **Certification Manager**

Signature:
(for printed version)

Date:
(for printed version)

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 Testing UK Ltd
Unit 6, Hawarden Industrial Park
Hawarden, Deeside CH5 3US
United Kingdom

IECEx Certificate of Conformity

Certificate No.: **IECEx SIR 08.0115X**

Date of issue: 2022-02-11 Issue No: 1

Manufacturer: **Westlock Controls Corporation**
280 N. Midland Ave Ste. 258,Saddle Brook, New Jersey 07663
United States of America

Manufacturing locations:

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 60079-0:2007-10 Explosive atmospheres - Part 0:Equipment - General requirements
Edition:5

IEC 60079-15:2005-03 Electrical apparatus for explosive gas atmospheres Part 15: Construction, test and Marking of Type of Protection "n" electrical apparatus
Edition:3

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:

GB/SIR/ExTR08.0154/00 GB/SIR/ExTR22.0005/00

Quality Assessment Report:

US/FMG/QAR08.0002/11

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

The, valve position monitors UK Part Number 3800 (US Part Number 789-) provide three methods of end of travel indication by the means of two, sealed, bifurcated, integral switches and input circuit LEDs that are located within a separate module known as a MagPAC module. External visual indication is available as an option on all models. To enable pneumatic control, the monitors are fitted with an additional, single, integral solenoid valve. The MagPAC module is located within an enclosure that has two parts, a cover and housing, made from either aluminium or 316 stainless steel. This enclosure provides a minimum ingress protection of IP54 and can have up to three, conduit entries, M20 x 1.5p, M25 x 1.5p, 1/2" -14 NPT, 3/4" -14 NPT or Pg 13.5, that accommodate appropriately certified cable glands thus enabling connection to an external power source.

See the Certificate Annexe for further information.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The Valve Monitors shall be connected to a device which prevents supply voltage transients in excess of 40% of the rated voltage occurring at the apparatus power supply terminals.
2. All used terminal screws should be prevented from loosening during service life with the use of RTY silicon sealant or an appropriate epoxy adhesive.
3. Parts of the enclosure are non-conducting and may generate an ignition-capable level of electrostatic charges under certain extreme conditions. The user should ensure that the equipment is not installed in a location where it may be subjected to external conditions (such as high-pressure steam) that might cause a build-up of electrostatic charges on non-conducting surfaces. Additionally, cleaning of the equipment should be done only with a damp cloth.
4. Since light metals may be used at the accessible surface of the apparatus, in rare cases, ignition sources due to impact and friction sparks could occur. This shall be considered when these transmitters are used in locations that specifically require Group II, Category 1 Equipment.

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
This issue, Issue 1, recognises the following change; refer to the certificate annex to view a comprehensive history:

1. The Applicant's Name and Address was updated from Westlock Controls Limited, 22 Chapman Way, Tunbridge Wells, Kent, TN2 3EF, United Kingdom to Westlock Controls Corporation, 280 N. Midland Ave. Ste. 258, Saddle Brook, New Jersey 07663, USA.

Annex:

IECEx SIR 08.0115X Annexe Iss 1.pdf

Annexe to: **IECEx SIR 08.0115X Issue 1**

Applicant: **Westlock Controls Corporation**

Apparatus: **Valve Position Monitors UK Part No. 3800**
(US Part No. 789-)

Ratings: Rated Voltage (Connector J1) - 12-24 VAC/VDC
Rated Voltage (Connector J2/J3) - 24 VAC/VDC
Rated Current (Connector J1) - Min 2 mA to light LED, Max 500 mA
Rated Power (Connector J2/J3) - 24 VDC – 0.5 W

UK Part Number System (3800)															
1	2	3	4	5	6	7	8	9	10	11	12	-	13	14	Field Number
XX	X	9	X	XX	X	X	X	X	2	X	XXX	-	X	X	Character

- 14: Revision
- 13: Certificate type (A=ATEX, I = IECEx)
- -: Spacer
- 12: Special Features
- 11: Number of Entries (up to 3)
- 10: Number of Switches (2 only - MagPAC)
- 9: Solenoid Construction
- 8: Coil Voltage (C = 24 Vdc)
- 7: Solenoid Material
- 6: Shaft Type Drive
- 5: Beacon Type & Colour
- 4: Enclosure Material
- 3: Switch Type
- 2: Beacon
- 1: Series (38)

US Part Number System (Models 789-)										
1	2	3	4	5	6	7	8	9	10	Field Number
XXXX	X	XX	XX	2M13	00	D	XX	X	X	Character

- 10: Over-ride Options
- 9: Special Valve Features
- 8: Falcon Valve Body
- 7: Coil Voltage (24 Vdc)
- 6: Analog Position Transmitter
- 5: Position Switches
- 4: Conduit
- 3: Beacon
- 2: Shaft Output
- 1: Base Model (789-)

Note: Material special build code to follow code above for Aluminium or Stainless Steel.

Conditions of Manufacture

i. Terminals (J3 MagPAC) used to connect the internally fitted coils shall be prevented from loosening during service life with the use of RTY silicon sealant or an appropriate epoxy adhesive

ii. Each completed device shall be subjected to and pass an insulation test of 500 V r.m.s. Any inputs shall be connected together and a test voltage shall be applied between them and the enclosure or frame. The test procedure shall be in accordance with clause 6.8.1 of IEC / EN 60079-15: 2005.

CSA Group Testing UK Ltd.
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Hawarden Deeside CH5 3US, UK.

Full certificate change history

Issue 1 – this Issue introduced the following change:

i. The Applicant's Name and Address was updated from Westlock Controls Limited, 22 Chapman Way, Tunbridge Wells, Kent, TN2 3EF, United Kingdom to Westlock Controls Corporation, 280 N. Midland Ave. Ste. 258, Saddle Brook, New Jersey 07663, USA.

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