



EC TYPE-EXAMINATION CERTIFICATE

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

Certificate Number: **Sira 08ATEX4279X**

Issue: **0**

Equipment: **Valve Position Monitors UK Part Number 3500 (US Part Number 9468)**

Applicant: **Westlock Controls Limited**

Westlock Controls Corp.

Address: 22 Chapman Way
Tunbridge Wells
Kent TN2 3EF
UK

280 Midland Avenue
Saddle Brook
NJ 07662
USA

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

Sira Certification Service, notified body number 0518 in accordance with Article 9 of Directive 94/9/EC of 23 March 1994, 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.

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 60079-0:2006

EN 60079-15:2005

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.

This EC 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.

The marking of the equipment shall include the following:



II 3G
Ex nA IIC T3 Gc
(Ta = -20°C to 70°C)

C Ellaby
Certification Officer

Project Number 52L18531
C. Index 12

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The Valve Position Monitors UK Part Number 3500 (US Part Number 9468) 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. 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.

Diagram illustrating the structure of a product code, showing the sequence of attributes from left to right:

- Series (35)
- Beacon
- Switch Type
- Enclosure Material
- Beacon Type & Colour
- Shaft Type Drive
- Solenoid Material
- Coil Voltage (Not applicable to this Model)
- Solenoid Construction
- Number of Switches (2 only - MagPAC)
- Number of Entries (up to 3)
- Special Features
- Spacer
- Certificate type (A=ATEX, I = IECEX)
- Revision

Note: code to Aluminum

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

Sira Certification Service

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SCHEDULE

EC TYPE-EXAMINATION CERTIFICATE

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14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report no.	Comment
0	26 November 2008	R52L18531A	The release of the prime certificate.

15 SPECIAL CONDITIONS FOR SAFE USE (denoted by X after the certificate number)

- 15.1 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.
- 15.2 All used terminal screws should be prevented from loosening during service life with the use of RTY silicon sealant or an appropriate epoxy adhesive.
- 15.3 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.
- 15.4 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.

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.

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 EC type-examination certificates are required to comply with the production control requirements defined in Article 8 of directive 94/9/EC.
- 17.3 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.

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Certificate Annexe

Certificate Number: Sira 08ATEX4279X
Equipment: Valve Position Monitors UK Part No. 3500
(US Part No. 9468)
Applicant: Westlock Controls Limited
Westlock Controls Corp.



Issue 0

Number	Sheet	Rev.	Date	Description
MS-090801UK	1 of 3	A	21 Nov 08	Ex nA Approval Drawing (General Assembly)
SC-100124	1 of 1	D	21 Nov 08	Switch Sensor PAK (schematic)
EL-30360	1 to 3	D	21 Nov 08	PCB Assembly Switch PAC
EL-40142	1 of 1	-	21 Nov 08	MAG PAC (PAC ASY) GP
EL-20505	1 of 1	C	21 Nov 08	PCB Artwork, Component-Side-Soldermask
EL-20505	1 of 1	C	21 Nov 08	PCB Artwork, Solder-Side-Soldermask
EL-20505	1 of 1	C	21 Nov 08	PCB Artwork, Component Side Layer 1
EL-20505	1 of 1	C	21 Nov 08	PCB Artwork, Solder Side Layer 2
EL-20505	1 of 1	C	21 Nov 08	PCB Artwork, Solder-Side-Silkscreen
EL-20505	1 of 1	C	21 Nov 08	PCB Artwork, Solder_Side_Solder_Paste_Mask
LB-110801UK	1 of 1	A	21 Nov 08	Ex nA ATEX and IECEx Label Master

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