



1. **EC-TYPE EXAMINATION CERTIFICATE**

2. **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 94/9/EC**

3. EC-Type Examination Certificate Number: **ITS10ATEX17081X**

4. Equipment or Protective System: **2800 Series Valve Position Monitor**

5. Manufacturer: **Westlock Controls Ltd**

6. Address: **22 Chapman Way, Tunbridge Wells, Kent, TN2 3EF, UK**

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

8. Intertek Testing and Certification Limited, notified body number 0359 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Intertek Report 10048031A1 dated November 2010.

9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with standards EN 60079-0:2009, EN 60079-1:2007, EN 61241-0:2006 and EN 61241-1:2004 except in respect of those requirements referred to at item 18 of the Schedule.

10. If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

11. This EC-Type examination certificate relates only to the design and construction of the specified equipment or protective system in accordance to the directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12. The marking of the equipment or protective system shall include the following:-

 II 2 GD Ex d IIC T* Gb (see schedule for T class and associated ambient range)
Ex tD A21 IP6X T*



P Moss
Certification Officer
29th November 2010

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13. SCHEDULE

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15. Description of Equipment or Protective System

The 2800 series valve position monitor provides end of travel indication by the means proximity switch mounted through the wall of the enclosure which are activated by means of a trigger system comprising of two adjustable magnets.

The 2800 series enclosure is available in cast Aluminium or stainless steel only and the construction comprises of a housing with a screwed cover.

The housing has the option of either four cable entries or up to two proximity switch and three cable entries or up to two proximity switch one Ex d coil assembly and two cable entries for connection to an external power source via appropriate ATEX certified cable glands; M20 x 1.5p, M25 x 1.5p, 1/2"-14NPT or 3/4"-14 NPT. The entries are detailed on the product I.D label found on the housing.

The first two digits of the Westlock nomenclature signifies the series with the third and fourth digits defining that this product is not available with a visual beacon and has only one switch option – proximity switch. The table below details the applicable ambient ranges and electrical rating for the proximity switch;

Series Code	T Class	Ambient Range
2869	T6 (80°C)	-30°C to +60°C
2869	T5 (95°C)	-30°C to +75°C
2869	T4 (130°C)	-30°C to +85°C

Series Code / Switch Designation	Electrical Rating
2869	PROXIMITY SWITCH RATINGS: 3A/120 VAC, 1.5A/240 VAC OR 2A/24 VDC

The 2800 series can also be fitted with a single Ex d coil with the following possible electrical ratings.

Coil Voltage	Electrical Rating
12VDC	12VDC (0.7w)
24VDC	24VDC (0.7w)
125VDC	125VDC (1w)
90-120VAC	90-120VAC (4VA)
220-240VAC	220-240VAC (4VA)
Others	limited to 0.7w or 4VA

The coil is fitted via an M32 x 1.5 threaded entry at conduit entry point B or C

Alternative manufacturing location:

WESTLOCK Controls Corporation
 280 Midland Avenue
 Saddle Brook,
 NJ 07663
 USA

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16. Report Number:

Intertek Report 10048031A1 dated November 2010.

17. CONDITIONS OF CERTIFICATION:

(a). Special Conditions for safe use

- The equipment can exceed 70°C at the cable entry point and 80°C at the branching point, cable must be suitably selected.
- Only suitably approved ATEX cable glands or conduit stopping devices must be used.
- When conduit is used a suitably approved stopping box must be used at a distance less than the size of the conduit.
- Any unused entries must be blanked with suitably ATEX approved stopping plugs.
- No modifications shall be made to the flamepaths of the product without reference to the drawings listed in 19.
- The serial number is marked internally - if required by the end user Westlock Controls will provide a label for external marking of the serial number.

(b). Conditions For Use (Routine Tests)

- There are no conditions of certification (routine tests)

18. Essential Health and Safety Requirements (EHSR's)

The relevant EHSR's have been identified and assessed in Intertek Report 10048031B1 dated November 2010.

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19. Drawings and Documents

Number	Title	Issue	Date
MS-10640	CERTIFICATION DRAWING 2800 (ATEX & IEC A Ex) Sheet 1 of 1		22-09-09
LB-091001UK	2800 SERIES ATEX/IEC LABEL MASTER	-	10-09-10

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