EU-TYPE EXAMINATION
CERTIFICATE

Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

1. **EU-Type Examination Certificate Number:** **ETL24ATEX0441X** **Issue 00**

2. **Product:** D460, D470 Series Valve Position Monitor

3. **Manufacturer:** Westlock Controls Corporation

4. **Address:** 280 Midland Ave
Saddle Brook, NJ 07663
USA

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

6. Intertek Testing Services NA Ltd., Notified Body number 2903 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council dated 26 February 2014, certifies that the product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II of the Directive.

7. Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN IEC 60079-0:2018, EN 60079-1:2014 and EN 60079-31:2014 except in respect of those requirements referred to within item 14 of the Schedule.

8. If the sign "X" is placed after the certificate number, it indicates that the product is subject to the special conditions of use specified in the Schedule to this certificate.

9. This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

10. The marking of the product shall include the following:

II 2 G Ex db IIC T* Gb

II 2 D Ex tb IIIC T*°C Db

*See equipment details for T-class/Tamb combinations

Certification Officer: _____ **Date:** 05 December 2024

Todd L. Relyea

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SCHEDULE:

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11. Description of Equipment or Protective System

The D460 and D470 series valve position monitors are designed for use in valve positioning applications to give indication of the position of an associated control valve. Operating on an input voltage of 18 – 30 Vdc, the Type D460 and Type D470 Transmitters provide a 4 – 20 mA output proportional to the position of the valve being monitored. The Type D460 comprises of a cast aluminum enclosure whereas the D470 consists of an identical stainless steel enclosure. A threaded cover is secured in position by a jacking screw arrangement to prevent removal. Fitted within the enclosure is a printed circuit board incorporating terminal facilities for input and output wiring. A Hall effect sensor assembly is potted within a closed tubular stainless steel housing which is press fitted into a hole provided in the base of the enclosure. An integral cable from the sensor is connected to terminals provided on the printed circuit board. The enclosure can offer up to four M20 x 1.5p, M25 x 1.5p, 1/2"–14 NPT or 3/4"-14 NPT cable entries for the accommodation of suitably certified cable entry devices. An internal and external earth facility is provided. The D460/D470 is available with up to one solenoid valve (referred to as S.O.V.) which can be fitted to one of conduit entries A, B or D. T-Class is dependent on model and ambient range as detailed below.

Temperature Class	Variation	
	Transmitter	Transmitter with SOV
T4 / T130°C	-60°C to +110°C	-60°C to +85°C
T5 / T95°C	-60°C to +80°C	-60°C to +80°C
T6 / T80°C	-60°C to +65°C	-60°C to +65°C

The D460/D470 series can also be fitted with up to one M32 Ex d coil with the following 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

12. Report Number

Intertek Report: 105954524CRT-002 Issue: 0 Dated: 02-December-2024.

13. Special Conditions of Certification

(a). Special Conditions of Use

- Temperatures at the cable entry point can exceed 70°C and 80°C at the branching point. Selection of cable must be appropriate for the ambient temperature range.

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- The certification applies to the enclosure without cable glands, only suitably approved flameproof cable glands may be used with an ingress protection rating of IP6X.
- When conduit is utilized, it must be sealed in accordance with Clause 13.5.2 of EN 60079-1:2014, with a suitably approved conduit sealing device.
- All unused entries must be plugged with suitably approved flameproof blanking elements with an ingress protection rating of IP6X.
- The equipment is provided with a serial number label externally, if required by the end user Westlock Controls Corporation will supply an internal serial number label.
- No modifications must be made to the flamepaths of the unit without consultation of the drawings.
- Flamepath joints are not intended to be repaired.

(b). Conditions of Manufacture – Routine Tests

- None

14. Essential Health and Safety Requirements (EHSRs)

The relevant Essential Health and Safety Requirements (EHSRs) have been identified and assessed in Intertek Report: 105954524CRT-002 Issue: 0 Dated: 02-December-2024.

15. Drawings and Documents

Title:	Drawing No.:	Rev. Level:	Date:
D460/D470 Digital Epic ATEX / IECEx Label Master	LB-050601UK	E	12/02/24
Certification Drawing D460/D470 Digital Epic (ATEX & IECEx)	MS-10747	B	04/16/14
Installation & Operation Instructions (Westlock D460/D470 Series)	VCIOM-05084	B	12/02/24

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