IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.:	IECEx UL 08.0022X issue No.:1	Certificate history: Issue No. 1 (2013-6-28) Issue No. 0 (2009-5-19)
Status:	**Current**	
Date of Issue:	**2013-06-28**	Page 1 of 4

Applicant: **Barksdale Inc.**
3211 Fruitland Ave.
Los Angeles, CA 90058
United States of America

Electrical Apparatus: **Position Indicators**
Optional accessory:

Type of Protection: **Flameproof "d", Intrinsic Safety "ib", and Dust Protection by Enclosure "tb"**

Marking: Ex d IIC T6 Gb, Ex tb IIIC T80°C Db IP66, Ex ib IIC T6 Gb

Approved for issue on behalf of the IECEx Certification Body: Paul T. Kelly

Position: Principal Engineer - Global Hazardous Locations

Signature:
(for printed version)

Date: 2013-06-28

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 the Official IECEx Website.

Certificate issued by:

UL LLC
333 Pfingsten Road
Northbrook IL 60062-2096
United States of America

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Manufacturer: **Barksdale Inc.**
3211 Fruitland Ave.
Los Angeles, CA 90058
United States of America

Additional Manufacturing location (s):

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 electrical apparatus 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 Edition: 6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2007-04 Edition: 6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-11 : 2011 Edition: 6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-31 : 2008 Edition: 1	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'

*This Certificate **does not** indicate compliance with electrical 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 Report:
US/UL/ExTR08.0029/00 US/UL/ExTR08.0029/01

Quality Assessment Report:

FR/LCI/QAR08.0004/03

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Schedule

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

Models 371MT73 and 371MT75 are stationary position indicators employing reed switches housed in a flameproof and dust-tight enclosure. The devices are intrinsically safe "ib" when installed in accordance with the manufacturer's control drawing 272263. For installations not in accordance with the intrinsic safety guidelines, the devices employ the protection offered by the flameproof "d" and dust-tight "tb" enclosures. The flameproof and dust-tight construction of the devices consists of the sensor body, actuator and end cap. A cylindrical joint is formed between the sensor body and actuator. A threaded joint is formed between the end cap and the sensor body. Models 371MT73 and 371MT75 differ between the sensor body and the interface screw in overall dimensions. The differences between the Models 371MT73 and 371MT75 are the overall assembly size and the types of valves on which the devices are suitable for installation. From an intrinsic safety standpoint, the devices are considered identical.

CONDITIONS OF CERTIFICATION: YES as shown below:

Special Conditions for Safe Use:

- Dimensions of flameproof joints are other than the relevant minimum or maximum specified in Table 2 of IEC 60079 Ed. 6. Position indicators are marked with an "X" and manufacturer's Drawing No. 977970 details the dimensions of the flameproof joints.

- Position indicators are constructed with permanently connected un-terminated cables and the free end of the cable needs to be connected in accordance with the installation manual.

- Do not remove end cap as damage to threads could occur.

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 1: Drawing updates; updated I.S. protection from "ia" to "ib"; updated to the latest standards; increased the torque rating of the thread adapter; changed the IP rating to IP66 and updating to protection type "tb".