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 14.0118X

Issue No: 3

Certificate history:
Issue No. 3 (2017-08-25)
Issue No. 2 (2016-06-29)
Issue No. 1 (2016-03-18)
Issue No. 0 (2015-03-31)

Status: **Current**

Date of Issue: **2017-08-25**

Applicant: **Pulsafeeder Inc.**
2883 Brighton Henrietta Town Line Road
Rochester, NY 14623
United States of America

Equipment: **Pulsalarm Pressure Leak Detection Switch**
Optional accessory:

Type of Protection: **Flameproof "d", Protection by Enclosure "tb"**

Marking:

Ex d IIB T5 Gb

Ex tb III C T100°C Db IP66

-20°C to +40°C

Approved for issue on behalf of the IECEx Certification Body: Lucy Frieders

Position: Staff Engineer

Signature:
(for printed version)

Date: 2017-08-25

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: **Pulsafeeder Inc.**
2883 Brighton Henrietta Town Line Road
Rochester, NY 14623
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 60079-31 : 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/ExTR14.0153/03

Quality Assessment Report:

US/UL/QAR14.0015/02

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Pulsalarm pressure leak detection switch is a flameproof pressure switch intended to be used with process lines that exhibit ambient temperatures identical to the equipment ambient temperature range. The switch is normally under zero (atmospheric) pressure, and when a leak is detected in the form of a pressure increase in excess of 7 psig (0.48bar), a diaphragm operates the switch. It is intended to be used with a mechanically actuated pump.

SPECIFIC CONDITIONS OF USE: YES as shown below:

Please refer to the installation manual for instructions on minimizing the risk of electrostatic discharge.

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

Issue 1: Correction to the temperature class for gas and the maximum surface temperature for dust in the installation manual.

Issue 2: Update drawing NP430012 to reflect the changes in the identification material and provide closer compliance to IEC 80079-34 Clause 7.1 and Annex B.

Issue 3: Minor drawing updates that do not affect the safety critical aspects of the equipment.