



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

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

Certificate No.: **IECEx UL 14.0118X** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 5 Issue 4 (2019-12-16)
Date of Issue: 2021-03-24 Issue 3 (2017-08-25)
Applicant: **Pulsafeeder Inc.** Issue 2 (2016-06-29)
2883 Brighton Henrietta Town Line Road Issue 1 (2016-03-18)
Rochester, NY 14623 Issue 0 (2015-03-31)
United States of America
Equipment: **Pulsalarm Pressure Leak Detection Switch**
Optional accessory:
Type of Protection: **Flameproof "db", Dust Ignition Protection by Enclosure "tb"**
Marking: Ex db IIB T5 Gb
Ex tb IIIC 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:

2021-03-24

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 www.iecex.com or use of this QR Code.



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 locations:

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 equipment 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 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-1:2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

This Certificate **does not** indicate compliance with 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 Reports:

[US/UL/ExTR14.0153/00](#)
[US/UL/ExTR14.0153/03](#)

[US/UL/ExTR14.0153/01](#)
[US/UL/ExTR14.0153/04](#)

[US/UL/ExTR14.0153/02](#)
[US/UL/ExTR14.0153/05](#)

Quality Assessment Report:

[US/UL/QAR14.0015/05](#)



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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.

Please see Annex for additional information.

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.

Issue 4: Documentation updates and update IEC 60079-1, 6th Ed. to 7th Ed. and IEC 60079-31, 1st Ed. to 2nd Ed.

Issue 5: Editorial update to the assembly and enclosure drawings, as well as a marking plate drawing update. Drawing updates do not affect general requirements or the relevant protection methods.

Annex:

[Annex to IECEx UL 14.0118X Issue 5.pdf](#)



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PARAMETERS RELATING TO THE SAFETY

115 VAC, 1A

MARKING

Marking has to be readable and indelible; it has to include the following indications:

