

# EU-TYPE EXAMINATION CERTIFICATE



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

EU-Type Examination Certificate Number: **DEMKO 12 ATEX 1204081X Rev. 6**

Product: **Pulsalarm Pressure Leak Detection Switch**

Manufacturer: **Pulsafeeder Inc.**

Address: **2883 Brighton Henrietta Town Line Road, Rochester, NY 14623, USA**

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

UL International Demko A/S, notified body number 0539 in accordance with Article 17 of the Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this 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 to the Directive.

The examination and test results are recorded in the confidential report no. **US/UL/ExTR14.0153/06**.

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN IEC 60079-0:2018**

**EN 60079-1:2014**

**EN 60079-31:2014**

Where additional criteria beyond those given here have been used, they are listed at item 18 in the Schedule.

If the sign "X" is placed after the certificate number, it indicates that the product is subject to the "Specific Conditions of Use" listed under item 17 of this certificate.

This EU-Type Examination Certificate relates only to the technical design of the specified product in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by the certificate.

The marking of the product shall include the following (marking is provided in the Schedule as a part of item 15, if applicable):

**II 2 G Ex db IIB T5 Gb**

**II 2 D Ex tb IIIC T100°C Db**

**Certification Manager**  
Thomas Wilson

This is to certify that the sample(s) of the Product described herein ("Certified Product") has been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the ATEX Product Certification Program Requirements. This certificate and test results obtained apply only to the product sample(s) submitted by the Manufacturer. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured product. UL has not established Follow-Up Service or other surveillance of the product. The Manufacturer is solely and fully responsible for conformity of all product to all applicable Standards, specifications, requirements or Directives. The test results may not be used, in whole or in part, in any other document without UL's prior written approval.

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**Re-issued:** 2024-08-15

**Notified Body**

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This certificate may only be reproduced in its entirety and without any change.

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**Schedule**  
**EU-TYPE EXAMINATION CERTIFICATE No.**  
**DEMKO 12 ATEX 1204081X Rev. 6**

- [15] Description of Product  
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 (0.48 bar), a diaphragm operates the switch. It is intended to be used with a mechanically actuated pump.
- Electrical ratings: 115 VAC, 1A
- Maximum connection pressure: 206.8 bar
- Temperature range  
The ambient temperature range is -20°C to +40°C.
- Product is marked with a 'T5' temperature code for gas and T100°C maximum surface temperature for dust.
- Routine tests  
Routine tests according to EN 60079-1 cl. 15 are not required, as the enclosures have been successfully tested at four times the reference pressure.
- [16] Descriptive Documents  
The scheduled drawings are listed in the report no. provided under item no. [ 8 ] on page 1 of this EU-Type Examination Certificate.
- [17] Specific conditions of use:  
Please refer to the installation manual for instructions on minimizing the risk of electrostatic discharge.
- [18] Essential Health and Safety Requirements  
The Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9.
- Additional information  
The Pulsalarm Pressure Leak Detection Switch has in addition passed the tests for Ingress Protection to IP 66 in accordance with EN60529:1991+A1:2000+A2:2013.
- The manufacturer shall inform the notified body concerning all modifications to the technical documentation as described in Annex III to Directive 2014/34/EU of the European Parliament and the Council of 26 February 2014.