UL International Demko A/S

Lyskaer 8, P.O. Box 514 DK-2730 Herlev, Denmark Telephone: +45 44856565 Fax: +45 44856500 e-mail: info.dk@dk.ul.com www.ul-europe.com

www.ul-europe.com CVR-nr. 19195597

> Underwriters Laboratories Inc. 333 Pfingsten Road Northbrook IL-60062 USA

Ref. 06NK21521



Contact Person Benjamin Schaefer Examiner Ulla Jakobsen Our reference 142946-01 Direct phone +45 44 85 6327

Date 2007-04-25

Dear Sirs,

Your order executed by UL International Demko A/S

UL International Demko A/S has the pleasure of enclosing EC-Examination Certificate No. DEMKO 07 ATEX 0621521.

Your attention is also drawn to UL International Demko A/S Standard Terms and Conditions. Should you have any questions regarding the above, please contact UL International Demko A/S.

UL International Demko A/S is at your disposal should you require additional information about our services, such as information on the LVD, EMC, Machinery Directives, ISO Certification, export certification or seminars tailored to meet the needs of your company.

We would like to take the opportunity to thank you for the co-operation and hope you will make use of our services in the future.

Yours sincerely

Ull. 7

Ulla Jakobsen

Certification Project Handler



EC-TYPE EXAMINATION CERTIFICATE

Equipment or Protective System intended for use in Potentially Explosive Atmospheres Directive 94/9/EC



- EC-Type Examination Certificate Number: DEMKO 07 ATEX 0621521 [3]
- [4] Equipment or Protective System: Lock, Hatch, and Valve DataSeal
- [5] Manufacturer: Hi-G-Tek Ltd.

[1]

[2]

- [6] Address: 16 Hacharroshet St., OR-Yehuda, 602520, Israel
- [7] This equipment or protective system and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.
- [8] UL International Demko A/S, notified body number 0539 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report no. 0621521

- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with: EN 50014: 1997 E incl. A1+A2 EN 50020: 2002
- If the sign "X" is placed after the certificate number, it indicates that the equipment or protective [10] system is subject to special conditions for safe use specified in the schedule to this certificate.
- [11]This EC-Type examination certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by the certificate.
- [12] The marking of the equipment or protective system shall include the following:

II 2 G EEx ia IIB T4

On behalf of UL International Demko A/S

Herley, 2007-04-24

Karina Christiansen

Certification Manager

UL International Demko A/S

Lyskaer 8, P.O. Box 514 DK-2730 Herley, Denmark Telephone: +45 44856565 Fax: +45 44856500

Certificate: 07 ATEX 0621521



[13]

Schedule

[14]

EC-TYPE EXAMINATION CERTIFICATE No. DEMKO 07 ATEX 0621521

[15] Description of Equipment or protective system

The lock, hatch, and valve DataSeals are devices that monitor the open or closed state of locks, hatches, and valves. The devices send a RF signal to a unit in a safe location containing information on the state of what it is monitoring.

Nomenclature for type: IG-LK-433, IG-FL-433, or IG-FLH-433.

Temperature range

The ambient temperature range is -20 °C to +70 °C.

Electrical data

All units are powered by a non-replaceable 3.6V lithium battery manufactured by Tadiran, part number TL-2135.

Routine tests

None.

[16] Report No.

Project Report No.: 06NK21521 (Hazardous Location Testing)

Drawings:

Diamingo.		
Number	Revision	Description
47AV5080	1A	Label
47E60700	1A	Assembly Drawing
47E00380	2A	Enclosure Jacket
47S10300	4A	Main PCB Schematics
SA4768	B01	Main PCB Bill of Materials
47S70400	В	Main PCB Layout
47G10090	1A	Secondary PCB Schematics
SA4804	01A	Secondary PCB Bill of Materials
47E00100	5A	Fluid DataSeal Metal Pin Construction
47E00300	4A	Hatch DataSeal Metal Pin Construction
47B00370	1 A	Lock DataSeal Metal Pin Construction

[17] Special conditions for safe use:

None.

[18] Essential Health and Safety Requirements

Concerning ESR this Schedule verifies compliance with the Ex standards only. The manufacturer's Declaration of Conformity declares compliance with other relevant Directives.

UL International Demko A/S

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P 2/3

[13]

Schedule

[14]

EC-TYPE EXAMINATION CERTIFICATE No. DEMKO 07 ATEX 0621521

The manufacturer shall inform the notified body concerning all modifications to the technical documentation as described in ANNEX III to Directive 94/9/EC of the European Parliament and the Council of 23 March 1994.

On behalf of UL International Demko A/S

Herley, 2007-04-24

Karina Christiansen Certification Manager



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