

# EC-TYPE EXAMINATION CERTIFICATE



[1]

[2]

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

[3]

EC-Type Examination Certificate Number: **DEMKO 11 ATEX 1110052 Rev. 0**

[4]

Equipment or Protective System: **Intrinsically Safe Flashlight**

[5]

Manufacturer: **Daysun Industrial Corporation**

[6]

Address: **1<sup>st</sup> Floor No. 6, Lane 110, Sec 4, Hsi-Men Road, Tainan 704, Taiwan**

[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. **11NK10052**

[9]

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

**EN 60079-0:2009**

**EN 60079-11:2007**

**EN 60079-26:2007**

[10]

If the sign "X" is placed after the certificate number, it indicates that the equipment or protective 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 1 G Ex ia IIC T4**

**Certification Manager**

Jan-Erik Storgaard

**Date of issue:** 2011-09-15

**Notified Body**

UL International Demko A/S, Borupvang 5A, 2750 Ballerup, Denmark  
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## Schedule

[14]

# EC-TYPE EXAMINATION CERTIFICATE No.

DEMKO 11 ATEX 1110052 Rev. 0

Report: 11NK10052

[15]

Description of Equipment or protective system

Model DF1013 is an LED flashlight for use with four Energizer model E91 or Duracell model MN1500, AA size, 1.5 V alkaline cells. The flashlight is intrinsically safe for use in Zone 0, Group IIC.

Temperature range

The ambient temperature range is -20 °C to +40 °C.

Routine tests

None

[16]

Report No.

Project Report No.: 11NK10052 (Hazardous Location Testing)

Documents:

**Description:**

**Drawing No.:**

**Rev. Level:**

**Date:**

Overall Assembly, Exploded View

0001

A

-

LED Assembly

0002

A

-

PCB Assembly

0003

A

-

Schematic

0004

B

-

PCB Layout Top View

0005

B

-

PCB Layout Bottom View

0006

B

-

LED PCB Layout Top View

0007

A

-

Bill Of Material (2 pages)

0008

B

-

Marking Label

0009

K

-

Lamp Assembly, Exploded View

0010

A

-

Battery Separation

0011

A

-

User Manual

V1 0-DF1013

1.0

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Special conditions for safe use:


None.

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Essential Health and Safety Requirements

Concerning ESR this Schedule verifies compliance with the Annex III of ATEX directive only. The manufacturer's Declaration of Conformity declares compliance with other relevant Directives.



The Registered Trademark ,  , for Daysun Industrial Company will be used as the company identifier on the marking label.

Additional information

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.

