

# User Manual



IECEX

## HEADLAMP FOR USE IN HAZARDOUS LOCATIONS

English

ISSUED: 2014.11.04

V1

### Description:

DS-14 is a high power LED headlamp for use in hazardous locations and is powered with three size AAA alkaline. It has high and low mode operating functions that allows users to operate for high brightness or long duration lighting.

### Features:

- Intrinsically safe for use in hazardous locations
- High and Low mode functions
- Users high power CREE LED
- Focus and flood reflector
- Submersible in water
- Tough and durable casing
- Screw fastener for safety precautions
- Build-in gas release vent mode.

### Certifications:



Class I Div 1&2 Grp ABCD / Class II Div 1&2 Grp EFG  
Class III / Temperature Code T4 IP67  
File number: E324236



II 1G Ex ia IIC T4 IP67  
DEMKO 14 ATEX 1354X

IECEX

Ex ia IIC T4 Ga IP67  
IECEX UL 14.0059X



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### Standards:

1. UL 913, Seventh Edition
2. CSA C22.2 No.157-92, Reaffirmed 2012
3. EN 60079-0 : 2009 Edition
4. EN 60079-11 : 2012 Edition
5. EN 60079-26 : 2007 Edition
6. IEC 60079-0 : Fifth Edition
7. IEC 60079-11 : Sixth Edition
8. IEC 60079-26 : Second Edition

### Battery Replacement:

Use only battery types below:

Alkaline type

Energizer E92

Duracell MN2400

Panasonic AAA LR03(T)

Warning: Do not change batteries in hazardous locations.

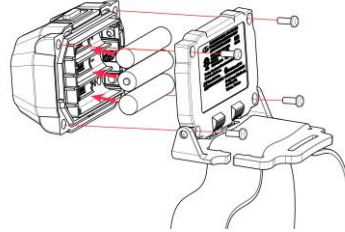
Warning : To reduce the risk of explosion do not mix new batteries with used batteries, or mix batteries from different manufacturers or from different types.

Warning : Remove the batteries when unused for a period of time to prevent battery leakage in the device.

### Safety Warnings:

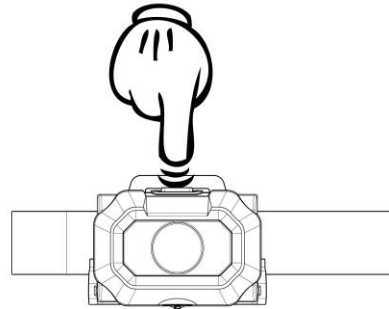
1. The screw shall be secured tightly after opening and closing of the enclosure.
2. Substitution of components may impair intrinsic safety.
3. Clean the headlamp only with damp cloth to avoid static electricity.
4. Do not flash the light beam directly to human's eyes.
5. Always use the device following the regulations of each country.

### Installation:



### Operation:

Push the top button to operate. The sequence is high and then low.



### Warranty:

1 years Limited Warranty