

HL180 Zone 0 Flashlight User Manual

Description:

The HL-180 Zone 0 Flashlight is a battery powered, lightweight, handheld torch certified for safe operation within ATEX/IECEX Zone 0, Zone I and Zone II hazardous locations. The flashlight has three modes: low; high; and flashing, to allow users to select between high brightness and long operation.

Features:

- Intrinsically safe for use in hazardous locations
- Low/High/Flash mode functions
- High power CREE LED
- Submersible in water
- Tough and durable casing
- High efficiency heatsink
- Screw fastener
- Built-in gas release vent

Certification:



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



Gas: II 1G Ex ia IIC T4 Ga
 Mining: I M1 Ex ia I Ma
 DEMKO 15ATEX1476X



Gas: Ex ia IIC T4 Ga
 Mining: Ex ia I Ma
 IECEX UL15.0046X



0518

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Standards:

1. UL 913, Eighth Edition
2. CSA C22.2 No.157-92, Reaffirmed 2012
3. EN 60079-0: 2012 Edition + A11: 2013
4. EN 60079-11: 2012 Edition
5. EN 60079-26: 2007 Edition
6. EN50303: 2000 Edition
7. IEC 60079-0: Sixth Edition
8. IEC 60079-11: Sixth Edition
9. IEC 60079-26: Second Edition

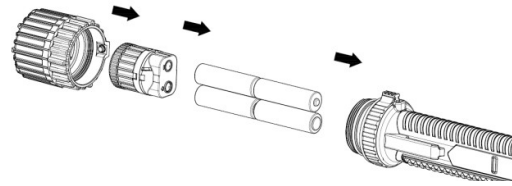
Battery Replacement:

Only use the battery types as indicated below:

<u>Alkaline</u>	<u>Ni-MH</u>
Energizer E91	Energizer NH15-2300
Duracell MN1500	
Rayovac 815	
Rayovac AL-AA	
Varta 4906	
Ansmann 5015548	
Ansmann 1502-0002	

WARNING

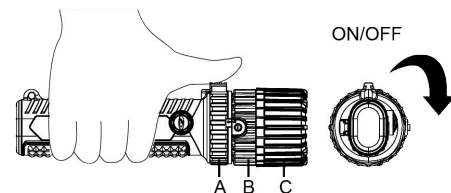
DO NOT OPEN IN HAZARDOUS LOCATIONS
 REPLACE BATTERIES ONLY IN NON-HAZARDOUS AREAS
 TO REDUCE THE RISK OF EXPLOSION DO NOT MIX NEW BATTERIES WITH
 USED BATTERIES, OR MIX BATTERIES FROM DIFFERENT MANUFACTURERS OR
 FROM DIFFERENT TYPES
 REMOVE THE BATTERIES WHEN UNUSED FOR A PERIOD OF TIME TO
 PREVENT DRAINAGE AND BATTERY LEAKAGE IN THE DEVICE
 SUBSTITUTION OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY



Installation:

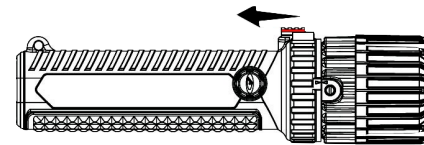
Operation:

Rotate the switch (A) clockwise to operate. The sequence is high-low-flash mode.



Safety Lock:

To unlock the safety on the switch (A) push the safety up.
 To lock the safety on the switch (A) push the safety down.



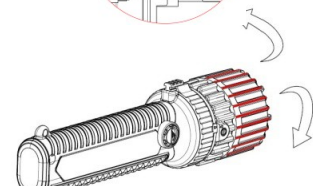
Fastener for Beam Adjustment:

After batteries have been installed, turn (B) anticlockwise until it matches with the arrow on the switch (A). Use the hex kit to screw the fastener until it is flat to the surface before adjustment.



Beam Adjustment (C):

Hold onto (B), and turn (C) to adjust beam. Turn anticlockwise for spotlight and turn clockwise for floodlight.



Accessories:

- Hand Strap (Optional)

Warranty:

1 Year Limited Warranty

Safety Warnings:

1. The fastener shall be screwed until it is flat to the surface, after opening and closing of the enclosure. Do not over screw as it will affect the IP rating.
2. Do not flash the light beam directly to human's eyes.
3. Always use the device following the regulations of each country.



Sécurité Intrinsèque:

1. Avertissement: La substitution de composants peut compromettre la sécurité intrinsèque.

2. Avertissement: Afin de prévenir l'inflammation d'atmosphères dangereuses, ne changer les batteries que dans des emplacements designés non dangereux.