

# UK4AA-ES2 Instructions



Congratulations on the purchase of your Underwater Kinetics all environment work torch! It is tough enough for use in rain, snow, smoke, dust or hazardous locations (see certification information). By using a high intensity xenon lamp, this torch outperforms torchs many times its size. It is recommended by leading helmet manufacturers as an accessory and is used effectively by fire brigades, industry, police, armed forces as well as craftsmen.

## Quality Features

- 100% waterproof and dust proof
- Extremely bright xenon filled lamp in a prefocused precision reflector
- Small size powered by 4 LR6/AA/mignon size alkaline batteries
- Rubber covered push-button thumb switch
- Rugged non-corroding ABS case will not conduct electricity and resists freezing to cold hands
- Rubber protected lens
- Internal safety features protect against improper battery insertion and hydrogen gas evolution
- In accordance with CENELEC (CE) requirements
- EEx tested (Ex) in accordance with the latest European standards for use in hazardous locations (ATEX)

## Accessories

- Holders are available for attaching the 4AA torch to fire brigade and safety helmets.
- Signal wand extension for directing traffic
- Nylon pouch for attaching the 4AA to a belt.

## Technical Data UK4AA-ES2

- power: 2 watts
- burn time: 4.5 hours
- batteries: 4 x alkaline AA/LR6/mignon cells
- lamp type: Xenon filled incandescent
- test depth: 3 m
- beam travel: 100-120 m
- size: 156 x 40 mm
- weight: 150 g (incl. batteries)
- materials: ABS, polycarbonate, TPR, stainless steel, brass

## CERTIFICATION INFORMATION

### UK4AA-ES2



Zone 1

SNCH 01 ATEX 3297

II 3G EEx nL IIC T4

Zone 2

SNCH 01 ATEX 3296

II 2G EEx ia e IIB T3

1. Read the instructions before use.
2. Do not open torch in hazardous locations.
4. Manufactured by Underwater Kinetics  
13400 Danielson Street  
Poway, California 92064  
USA  
(858) 513-9100 tel  
(858) 513-9111 fax  
info@uwkinetics.com
3. A copy of the ATEX testing certificate is available from Underwater Kinetics or Sea & Sea, Ltd.  
Philip House, Aspen Way  
Paignton Devon, TQ4 7QR  
United Kingdom  
(01803) 663012 tel  
(01803) 663003 fax  
info@sea-sea.com

## WARRANTY

Underwater Kinetics products are engineered for maximum performance and durability. All products carry a Limited Lifetime Warranty to the original retail purchaser to be free from defective material and workmanship under normal and intended use. In addition, the Underwater Kinetics Limited Warranty covers materials used in its products to the original purchaser, from the date of purchase, as follows: plastics for 10 years; rubber for 3 years and lamps for 30 days (batteries and lamps are not manufactured by Underwater Kinetics).

In the event the original retail purchaser detects a defect in the material or workmanship, the product along with proof of purchase date should be returned to an authorized Underwater Kinetics dealer. Underwater Kinetics agrees to repair or replace at Underwater Kinetics' sole discretion any product found to be defective in material or workmanship within the time period specified above. Nothing contained within these warranty terms detracts from your Statutory Rights.

Address all correspondence and returns to:

Sea & Sea, Ltd.  
Philip House, Aspen Way  
Paignton Devon, TQ4 7QR  
United Kingdom

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## OPERATING INSTRUCTIONS AND IMPORTANT INFORMATION

### Battery Installation

To install batteries, hold the case in the position shown. Drop the batteries one by one into the case in the order shown. Make sure that the (+) end of batteries 1 and 2 is down and up for batteries 3 and 4. Next insert the lamp module into the case. Place the bezel over the lamp module and screw it onto the case.

*Note: The torch will not light if the batteries are inserted improperly.*

### CAUTION

**Batteries can vent hydrogen gas and possibly cause an explosion (1) if they are installed without the proper polarity, (2) if they are not the same type, brand name and age or (3) if they are completely discharged.**

- Load batteries according to the diagram.
- Discard all batteries as soon as they are drained or no longer produce light.
- Do not mix batteries of different type, brand or age.

### ON/OFF

To operate the UK4AA push in on the black rubber switch to turn the torch on and off. For momentary lighting press the switch half-way in. Make sure the bezel is screwed all of the way down or the UK4AA will not light. By partially unscrewing the bezel you can protect the torch from turning on by accident.

### O-Ring Seal

The O-ring and threads must always be kept clean. Lightly lubricate the O-ring which seals the rubber covered bezel and case with silicone grease. Remove the O-ring by hand. Do not use tools.

### Lamp Replacement

Unscrew the bezel, replace the old reflector/lamp assembly with a new one.

### WARNING

**In order to maintain the ATEX safety rating, use only model 14801 reflector/lamp assemblies marked "14801" and have a black center contact cap.**

### Pressure Equalizing Vent

Air and gas from battery leakage can pass freely in and out of the UK4AA through a vent in the rear of the torch. Do not allow dirt or grease to accumulate on the vent or it will not operate properly.

### Care and Maintenance

- Keep area around the O-ring clean.
- For longer lamp life, turn the torch on for several minutes after loading fresh batteries to "age" the batteries.
- If the torch floods, empty it immediately, rinse with fresh water and dry completely before reassembly.
- Replace the reflector/lamp, which contains a hydrogen absorbing catalyst, if it gets wet.
- Do not store batteries in the torch for long periods of time when not in use; they may leak and damage the torch.

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