

## EVENTUALLY, YOU MAY WANT TO REPLACE THIS PRODUCT:

Regulations require the recycling of Waste from Electrical and Electronic Equipment (European "WEEE Directive" effective August 2005—UK WEEE Regulations effective February 2014). Environment Agency Registered Producer: WEE/GA0248QZ.

WHEN YOUR PRODUCT COMES TO THE END OF ITS LIFE OR YOU CHOOSE TO REPLACE IT, PLEASE RECYCLE IT WHERE FACILITIES EXIST - DO NOT DISPOSE WITH HOUSEHOLD WASTE.

## INDUSTRIAL BATTERIES

Within certain products Eterna Lighting Ltd places lead acid, lithium ion, nickel cadmium & nickel metal hydride batteries on the market. Industrial batteries are subject to waste regulation under the Waste Batteries and Accumulators Regulations 2009 and should be disposed of responsibly. Purchasers may be able to dispose of their waste industrial batteries locally via legitimate licensed trade waste contractors. Eterna is obliged to take back, free of charge and within a reasonable time, waste industrial batteries of the same chemistry supplied to a Purchaser, for treatment and recycling and is required to do this in any calendar year new industrial batteries are placed on the market. In certain circumstances, this may include batteries not originally supplied by Eterna. If any Purchaser requires Eterna to take back Industrial batteries, they should write to the Operations Director, Eterna Lighting Ltd, Huxley Close, NN8 6AB, who will then advise on the necessary arrangements for the receipt, proper treatment and recycling of, the waste industrial batteries.

## CLEANING:

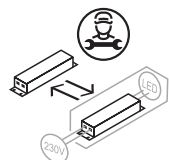
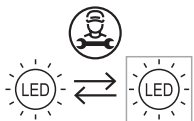
Clean this product only with a soft dry cloth.

The PC legend may be removed and washed in a mild detergent solution – the product must be fully isolated from the mains before commencing. Ensure the legend is completely dry before replacing.

Do not use any chemical or abrasive cleaners.

## IF YOU EXPERIENCE PROBLEMS:

If you believe your product is defective, please return it to the place where you bought it. Our Technical Team will gladly advise on any Eterna Lighting product, but may not be able to give specific instructions regarding individual installations.



See website for more information on replacability and recycling



# Eterna

Everyday Lighting For Professionals

## INSTALLATION INSTRUCTIONS

### A guide for qualified electricians

## 3 HOURS DURATION IN EMERGENCY MODE



#### Pack contents:

- 1 x LED exitbox with down arrow legend
- 1 x Replacement left arrow legend
- 1 x Replacement right arrow legend
- 1 x Legend
- 1 x Maintenance check record

Model:

## EBLSLIMM

### Maintained Slim LED Emergency Exit Box Sign

These instructions are provided as a guideline to assist you.

**PLEASE READ THESE INSTRUCTIONS BEFORE INSTALLATION AND RETAIN FOR FUTURE REFERENCE**

## READ THIS FIRST:

Check the pack and make sure you have all of the parts listed on the front of this booklet. If not, contact the outlet where you bought this product.

This product must be installed by a competent person in accordance with the current building and IEE wiring regulations.

As the buyer, installer and/or user of this product it is your own responsibility to ensure that this fitting is fit for the purpose for which you have intended it. Eterna Lighting cannot accept any liability for loss, damage or premature failure resulting from inappropriate use.

Switch off the mains before commencing installation and remove the appropriate circuit fuse or lock off MCB.

Disconnect from the electrical supply before flash or high voltage testing.

This unit is suitable for indoor use only.

This product is designed for permanent connection to fixed wiring: this must be a suitable circuit (protected with the appropriate MCB or fuse).

This product is suitable for installation on surfaces with normal flammability e.g. wood, plasterboard and masonry. It is not suitable for use on highly flammable surfaces (e.g. polystyrene, textiles).

Before making fixing hole(s), check that there are no obstructions hidden beneath the mounting surface such as pipes or cables.

Make sure that the fixings are strong enough to support the weight of the fitting and hold it rigidly.

The chosen location of your fitting should allow for the product to be securely mounted and anchored to a solid surface e.g. concrete, brick or a joist - do not fix directly onto panelling, cladding, plasterboard etc.

This product must be connected to earth termination.

Make connections to the electrical supply in accordance with the following code:

Live – Brown or Red  
Neutral – Blue or Black  
Earth – Green and Yellow

Do not attach to surfaces which are damp, freshly painted or otherwise electrically conductive (e.g. metallic surfaces).

When making connections ensure that the terminals are tightened securely and that no strands of wire protrude. Check that the terminals are tightened onto the bared conductors and not onto any insulation.

This product is not intended to be used by children and persons with sensory, physical and/or mental impairments that would prevent them from using it safely.

You are advised at every stage of your installation to double-check any electrical connections you have made. After you have completed your installation there are electrical tests that should be carried out, these tests are specified in the current IEE wiring and building regulations.

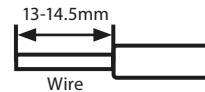
**IMPORTANT** - Always switch off mains power before opening fitting.

The batteries supplied with this fitting are a consumable part and therefore may be outside of any warranty offered.

## INSTALLATION:

**DANGER!** Please note that there are two live supplies, one switched and one permanent; please ensure you isolate both before you undertake any work on the emergency fitting.

**NOTE:** Wires should be stripped 13-14.5mm for best fit with the push-fit terminal block.



- 01) Switch off the mains before commencing installation and remove the appropriate circuit fuse or lock off MCB.
- 02) Choose the location for your emergency fitting giving consideration to all of the points above.
- 03) Undo the screw retaining the front cover and slide off the front cover.
- 04) Using the fitting as a template mark the fixing points on the mounting surface.
- 05) Drill and plug holes as appropriate.
- 06) Thread cable through entry point and into fitting.
- 07) Secure and fix to mounting surface.
- 08) Make connection to the mains supply according to the terminal markings. An un-switched 230v A.C. supply must be connected to the live (L), Earth (E) and Neutral (N) terminals.
- 09) For maintained operation, connect an additional switched mains supply to the L1 terminal or alternatively link across L & L1 mains terminals to operate as a maintained unit.
- 10) Plug the battery & LED leads into the connectors mounted on the circuit board.
- 11) Mark date of commission on the battery.
- 12) Refit front cover, sliding into position and secure the front frame with the fixing screw.
- 13) Restore AC supply and check operation ensuring the green charging light is on.

## OPERATION CHECKS:

Periodic testing should be carried out to ensure emergency lighting is operating correctly. Interruption of the supply, causing the fitting to be energised from the battery, should be carried out by the operation of a local keyswitch or other isolation device. During this period all fittings should be examined visually to ensure that they are functioning correctly. At the end of the test period the supply shall be restored and all indicator lamps or devices checked to ensure that the normal supply has been restored.

### DAILY:

Visual inspection of the battery charge LED.

### EACH MONTH:

Isolate the power supply for a period sufficient to ensure that each lamp is illuminated. Endorse the test record form supplied.

### ONCE EACH YEAR:

Isolate the power supply and check that the light is still illuminated after 3 hours. Endorse the test record form.

Because of the possibility of a failure of the normal lighting supply occurring shortly after a period of testing of the emergency lighting system or during the subsequent recharge period, all full duration tests shall wherever possible be undertaken preceding time of low risk to allow for battery recharge.

**NOTE: please keep this instruction booklet and the test record in a safe place. A fire officer or other authorised person may want to see your record of inspection and testing.**

## LAMP REPLACEMENT:

The light source of this luminaire is not replaceable; when the light source reaches its end of life the whole luminaire shall be replaced.

## SIGN REPLACEMENT:

**DANGER!** Please note that there are two live supplies, one switched and one permanent; please ensure you isolate both before you undertake any work on the emergency fitting.

- 01) Undo the screw retaining the front cover and slide off the front cover.
- 02) Gently prize the existing legend from the front cover and replace with the desired legend.
- 03) Refit front cover, sliding into position and secure the front frame with the fixing screw.

## BATTERY REPLACEMENT:

If after routine operation checks the LEDs do not remain lit for the three hour period a new battery pack may be required.

**DANGER!** Please note that there are two live supplies, one switched and one permanent; please ensure you isolate both before you undertake any work on the emergency fitting.

Switch off the electricity at the mains, allow batteries to fully discharge then reconnect to supply and allow charging for 24 hours.

Test again for 3 hours, if light does not remain lit change the battery pack as follows:

- 01) Isolate the mains supply to the unit.
- 02) Remove the front cover.
- 03) Unplug the battery & LED leads from the circuit board.
- 04) Remove the battery pack.
- 05) Write current date on the new battery pack.
- 06) Fit new battery pack.
- 07) Reconnect battery & LED leads to the circuit board.
- 08) Replace cover.
- 09) Restore power and allow charging for 24 hours.
- 10) Perform full operation check and update test record.

## REPLACEMENT BATTERY TYPE:

Ni-MH 3.6V 2000mAh.

