

REPLACEMENT BATTERY TYPE:

Type – 3.2V LiFePO4 1000mAh battery. Replacement battery code: EB25.

BATTERY REPLACEMENT:

If after routine or self-test checks, the LEDs do not remain lit for the 3 hour duration, a new battery may be required.

- 01) Isolate the mains supply to the unit.
- 02) Remove the front cover, disconnect the fitting and remove from the wall.
- 03) Disconnect the battery plug.
- 04) Remove the 2 screws in the back of the exit box case which retain the battery pack.
- 05) Write current date on the new battery pack.
- 06) Fit new battery pack, securing in place using the screws removed from the old battery pack.
- 07) Reconnect the battery plug.
- 08) Refix fitting to wall and replace cover.
- 09) After replacing the battery, the self-test function must be reset. To reset, press and hold the test button for 15 seconds until the buzzer sounds.

Allow battery to charge for 24 hours before any manual testing.

IMPORTANT NOTES:

The battery charging circuit and components are separated from the mains by at least basic (single layer) insulation.

When energised by a constant mains supply, the battery will be constantly charged whether or not the lamp is illuminated. On failure of the constant mains supply, the fitting will switch automatically using transistorised switching from battery charging to battery discharge powering the lamp whether or not the lamp was illuminated before the power failure.

SPECIFICATIONS:

- Power: Non Maintained: 2W / Maintained: 4W
- Continuous illumination: >3 hours in emergency operation
- Recharge time: 24 hours
- Over-discharge protection: Yes
- Self test in accordance with BS EN 62034



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, please email: technical@eterna-lighting.co.uk, who will then advise on the necessary arrangements for the receipt, proper treatment and recycling of, the waste industrial batteries.

CLEANING:

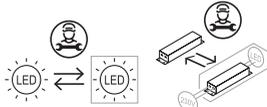
Clean this emergency exit sign fitting only with a soft dry cloth.

The PC legend may be removed and washed in a mild detergent solution make sure it is completely dry before putting it back on your light fitting.

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.



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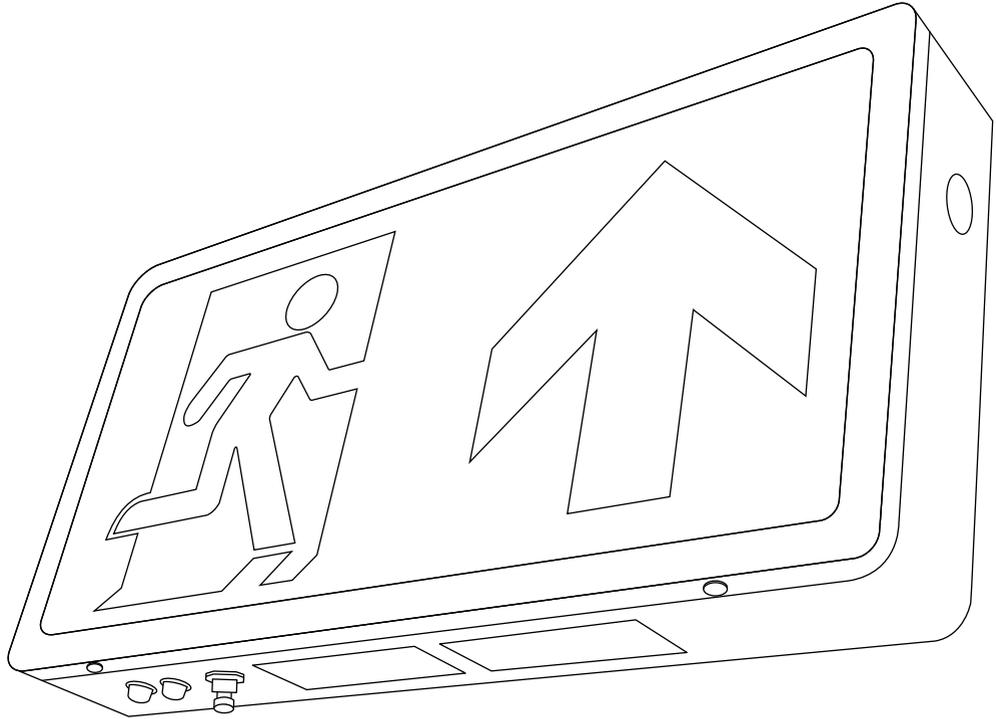
INSTALLATION INSTRUCTIONS

SEEXITLI

Self-Test LED Maintained Emergency Exit Box



Scan QR code to go to web page



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Email: sales@eterna-lighting.co.uk / technical@eterna-lighting.co.uk
Visit our website: www.eterna-lighting.co.uk

Issue 0125

Made in China

Pack contents: 1 x Emergency exit box, ISO 7010 up arrow legend, 1 x maintenance check record

A guide for qualified electricians

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 light fitting 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.

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

This unit is suitable for indoor use only.

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 holes, check that there are no obstructions hidden beneath the mounting surface such as pipes or cables.

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

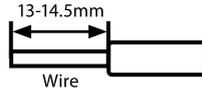
This product is designed for permanent connection to fixed wiring: this should be a suitable circuit, protected with the appropriate MCB or fuse.

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 Wiring Regulations (BS7671) referred to in the Building Regulations.

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

DANGER! Please note that there may be 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.



INSTALLATION:

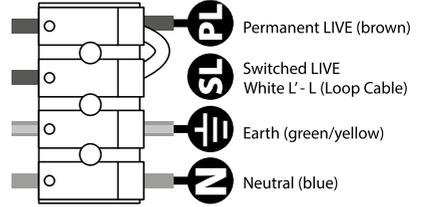
Before commencing any installation works, switch off the mains power and remove the fuse or lock off the MCB.

01) Choose the location for your emergency fitting giving consideration to all of the points above.

- 02) Undo the 2 screws on the bottom of front cover, lift off cover and remove legend.
- 03) Using the fitting as a template mark the fixing points on the mounting surface.
- 04) Drill fixing positions and use appropriate plug to fix to the wall.
- 05) Thread cable through entry point and into fitting.
- 06) Secure and fix fitting to mounting surface.
- 07) Make connection to the mains supply according to the colour code below. Take care not to leave any strands protruding from the terminals and ensure that the terminals clamp onto the bare wire and not onto the insulation.

This product must be connected to Earth.

NON-MAINTAINED MODE:



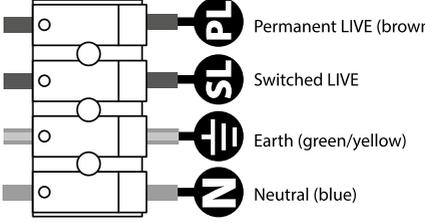
NOTE: if the link has been left in place, the fitting should also light. If you have connected a switch across the terminals, test the operation of your switch.

- 08) Mark the current date on the battery pack.
- 09) Plug the battery into connector mounted on the PCB.
- 10) Refit legend and secure front frame with the 2 screws.
- 11) Restore the power. The red indicator will flash for 3-5 seconds to show the self-test function is initialising, this will then stop flashing and the green indicator will come on to signify it is in normal operation and there is a healthy charge to the battery.

MAINTAINED MODEL ONLY:

NOTE: To convert the maintained fitting to non-maintained operation, remove the link between terminals "PL" and "SL".

NOTE: If the lamp is to be switched, remove the link from between the terminals "PL" and "SL" and connect cable from your switch into 'SL'.



IMPORTANT NOTES:

The product is fitted with an automatic, self-test function which will commission and test itself in accordance with the requirement of the British Standards. Monthly and annual tests will be automatically completed as detailed below with tests including battery charge condition, functional test and duration test.

MONTHLY

There will be a 3 minute functional test.

SIX-MONTHLY / ANNUAL

There will be a full 3 hour duration test.

The green indicator will flash during both of these tests.

On installation a date will be randomly assigned for the first monthly functional test and first six-monthly duration test.

The initial monthly test will be between 16 and 30 days from installation and initialisation.

The initial six-monthly full duration test will be 180 days after the first function test.

If no power is supplied to the luminaire, the schedule of these tests will be remembered for 10 days.

If there is a mains power failure within 24 hours prior to a scheduled test, the test will be postponed until sufficient time is allowed to recharge the battery.

If there is a mains failure during the self-test operation, the unit will automatically go into emergency mode.

TESTING:

This product is designed to conduct self-testing in accordance with BS EN 62034, the result of the monthly and six-monthly tests should be endorsed on the test record form supplied.

Because of the possibility of a failure of the normal lighting supply 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.

DAILY:

Visual inspection of the battery charge LED.

MONTHLY:

The product will be energised from its battery for adequate time (3 minutes) to ensure that emergency mode is functioning correctly.

SIX-MONTHLY / ANNUAL:

The product will be placed into emergency mode to check that the duration provided meets the specified time period (3 hours).

If after a routine check the the battery or the lamp fails to operate – the Red indicator will flash to show which is at fault. (See Performance and Fault Indicators below).

The fault must be repaired before the fitting can return to normal operation.

MANUAL TESTING:

There is a control/test button on the base of the fitting which provides a means to manually test all of the above functions.

This can only be completed when the fitting is operating under mains conditions and must only be carried out by a qualified electrician.

Press and hold the button once and the LEDs will switch to Emergency operation. The LEDs will be operating under battery conditions and none of the indicators will be on. Press the test button again to return to normal mains operation.

SYSTEM RESET:

Press and hold the test button for 15 seconds. The system, timing functions, will be reset.

For more information on self-test operations, or to view our full online guide, please visit: www.eterna-lighting.co.uk/testing-schedule

PERFORMANCE AND FAULT INDICATORS:	
Normal operation	Constant green LED indicator
Monthly duration test underway	Green indicator flashing every second
Annual duration test underway	Green indicator flashing twice per second
Battery circuit failure	Red indicator flashing every second
Battery over-discharge	Red indicator remains on
Light source failure	Red indicator flashing twice per second
Green LED indicator off	in emergency mode (mains failure)

