

# Emergency Lighting Instructions

## ‘ALPINE SLIM’

Model: E/AL/M3/SL/RC/LI

### (Maintained LED Exit Sign) General Information

These instructions contain important information regarding safety. They should be read carefully and should be retained for future reference. The company will not accept any responsibility for any injury, damage or loss which may arise due to incorrect installation, operation or maintenance due to non-adherence to these instructions.

Our products are designed to comply with the recommendations of **BS EN 60598-1**:2008 code of practice for emergency lighting of premises and be installed by competent person in accordance with the relevant wiring regulations

Before installation of any type of emergency lighting always seek the advice of the local fire prevention officer (or equivalent authority)

#### Luminaire information

Model: E/AL/M3/SL/RC/LI  
Rated voltage 230/240V AC 50/60Hz  
Lamp type - 20x3014LED+5x2835LED  
IP20

Product size {LxWxH} 320x185x26mm  
Battery type : LiFePO4 3.2V 1500mAh  
Recharge time : 24 hours : Initial Charge : 36 hours  
Emergency Operation Time 3 Hrs.

For Maintained Operation - For lamp always on, link Ls (Switched Live) to terminal L1 (Permanent Live). If 'L1' not connected, fitting works as non-maintained.



All self-contained emergency lighting luminaires require a continuous (un-switched) 230V - 240V single phase 50 Hz supply to keep the inbuilt batteries charged.

Please note:- **The LED's contained in this fitting are not designed to be replaced.**

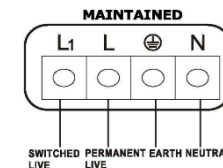
This luminaire is suitable only for indoor use in dry locations. If operation is required in damp, dusty or corrosive locations care must be taken to select a suitable fitting for the location

#### Installation of the fitting

Installation should only be carried out in accordance with the current edition of the "Regulations for Electrical Installations" EN61547 and with the requirements of **BS EN 60598-1**

Do not high voltage insulation test the luminaire as this may damage the control gear  
Before starting the installation ensure that the electricity supply is isolated and that it cannot be re-energised accidentally.

1. Remove the front cover by pushing the retaining clips on the bottom of the fitting.
2. There are 2 cable entry holes on this fitting on either side of the body. Knock out the intended cable entry hole suitable for your installation
3. Hold the luminaire in the required location and use fixing holes as a template Mark the fixing holes on the wall (please note when drilling fixing holes, be careful not to damage concealed wire or pipes.)
4. Fix luminaire to the wall using suitable screws and fixings (not supplied)
5. Connect the mains supply wiring as follows:



**Ensure that all connections are firmly secured and there are no loose strands omitted**

6. When all connections have been made reposition the front cover ensuring it is firmly attached
7. Restore the supply and check that the green LED indicator illuminates to confirm the batteries are charging.
8. Allow a short period for part charging of the batteries and then isolate the mains supply to the fitting in order to check the correct operation of the fitting in emergency mode. After 36 hours on continuous charge (and only at a safe time) a mains failure should be simulated to ensure that the fitting illuminates for its rated emergency duration.

The luminaire will have 1 hour backup after 14 hour charge and will be fully charged after 24hours

**Once the luminaire no longer meets its rated emergency operation the batteries must be replaced, regardless all batteries must be replaced after a maximum of 4 years in service**

#### Maintenance

Repairs should only be carried out by suitably qualified person. Only replacement components authorised by the company should be used. Disposal of replaced components should be in accordance with component manufactures instructions.

This fitting should only be opened by a suitably qualified technician. The mains supply should be isolated before removing the cover. Once opened the battery should be disconnected.

Servicing, cleaning etc should only be carried out after the fitting has been made electrically safe. Cleaning of luminaires should be carried out at regular intervals not only to ensure good optical performance but also ensure that dirt does not accumulate to such an extent as to impair the electrical or thermal safety of the fitting

The light will monitor for the following faults:

- Battery disconnection/failure

- Main LED array failure

- Duration Test Failure
- Red LED flashing once every 3 seconds

Red LED flashing twice every 3 seconds

Red LED flashing three x every 3 seconds

Warranty

In place of any other conditions or warranties, whether imposed by statute or implied by common law we undertake as follows

- 1) We will repair or if necessary replace free of charge any emergency luminaires manufactured by us that is found by us to be defective and brought to our attention within 12 months of supply

**This warranty is only valid if the luminaire has remained unmodified and installed and used as per this instruction leaflet and is returned to us, complete with test record, carriage paid and packaged appropriately.**
- 2) We shall not be liable for any consequential loss or damaged caused directly or indirectly by any defect or otherwise.

All details in this leaflet are given for guidance only and do not constitute a contract. We reserve the right to alter the specifications of products without notice.

The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similarly qualified person.

Month	Test	First Year		Second Year		Third Year		Fourth Year		Fifth Year	
		Sign	Date	Sign	Date	Sign	Date	Sign	Date	Sign	Date
1	Functional										
2	Functional										
3	Functional										
4	Functional										
5	Functional										
6	Functional										
7	Functional										
8	Functional										
9	Functional										
10	Functional										
11	Functional										
12	3 hour										

