



Read these instructions before commencing installation. Please give these instructions to the owner/occupier after installation to retain for future reference/maintenance.

IP20 230-240VAC~50/60Hz 3W Max

This Emergency pack is Class II and does not require an Earth

Important Information

It is recommended that this Emergency pack is installed and fitted by a qualified electrician ensuring the installation complies with current IEE wiring regulations & local building control. These products are designed for connection to a 240V~50Hz supply.

Any faulty, broken or damaged modules should be replaced immediately.

KSR will not accept responsibility for any claims arising from a poor installation.

Please Note: The limited warranty shall be deemed null and void in the following circumstances:

Failure by the installer, end user or any third party to exercise caution to protect any covered product or part from outside damage, adverse temperature (normal operating ambient temperature 0 - 35°C), humidity conditions, fluctuations in the electrical system or physical abuse as well as failure related to workmanship in the installation of the products or parts.

Important User Advice

Always switch off mains supply before installing/servicing.

This Emergency pack is suitable for indoor use only.

As the buyer/installer and/or user of this product it is your own responsibility to ensure that this emergency pack is fit for the purpose for which you have intended and operates to the relevant standards. KSR Lighting can't accept any liability for loss, damage or premature failure resulting from inappropriate use.

Do not use Megger or similar high voltage instruments. Due to the fact this Emergency pack contains electronic components that maybe damaged by high test voltages, they must be disconnected from the circuit before testing.

To prevent damage to the Emergency pack, do not mix with conventional magnetic ballasts on the same electrical circuit.

At the end of life the Emergency pack is classed as WEEE under directive 2014/30/EU and should be disposed of in accordance with local legislation

Installation Procedure

Familiarize yourself with the installation procedure and ensure the power is safely isolated before installing the Emergency pack.

Ensure the LED luminaire is within the specification 36-54VDC.

Wire as required below (Fig.1):

Connect the mains input Unswitched Live (PL), Neutral (N). The low voltage side just requires output to the LED emergency array positive (+) and negative (-). Then connect the battery. Install the LED indicator in a suitable/visible location in the luminaire.

Please note: For manual testing purposes a provision is made inside the cover of the low voltage side of the driver (Fig.1) marked as Test on the casing. See overleaf for details on manual testing.

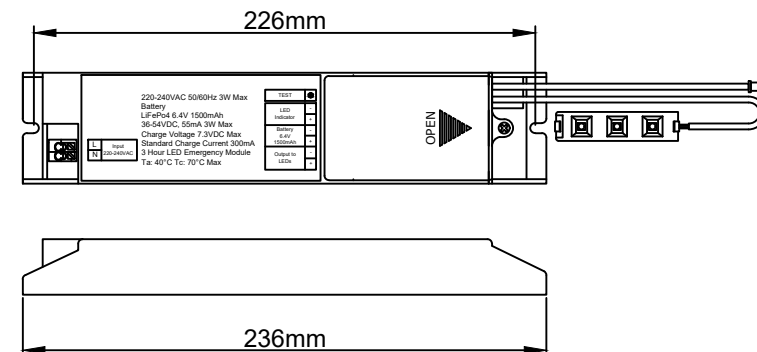
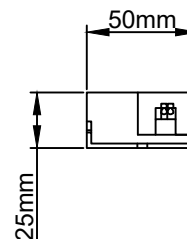
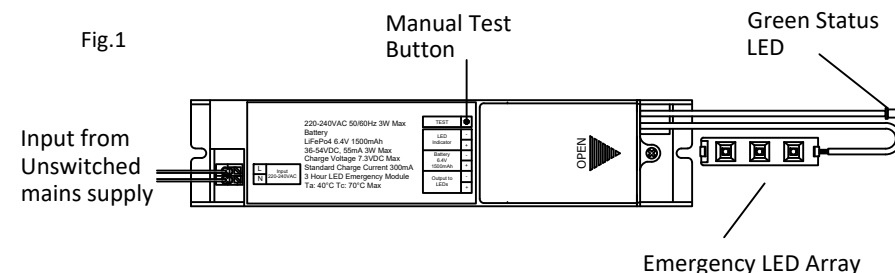


Fig.1



Turn on the power and ensure that the module is showing charge indicator. This fitting requires a minimum 24 Hour initial charge period prior to any manual emergency testing, please see overleaf for testing routine, write on the battery label in permanent ink the date of commissioning. All results must be recorded and left with the end user.

The battery has a rated duration of at least 4 years but should be replaced if the duration of operation is less than 3 hours after a 24hr charge time with no interrupted supply.

LifePO4 6.4V
1500mAh Battery

Emergency Pack Details




Supply: 230-240VAC 50/60Hz 55mA
Battery: 6.4V 1500mAh LiFePo4
Output: 36-54VDC - 3W Maximum
Charge Current: 300mA



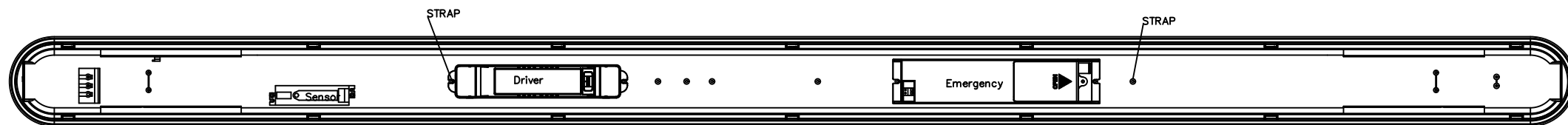
KSR Lighting Aftersales: 023 92 674343
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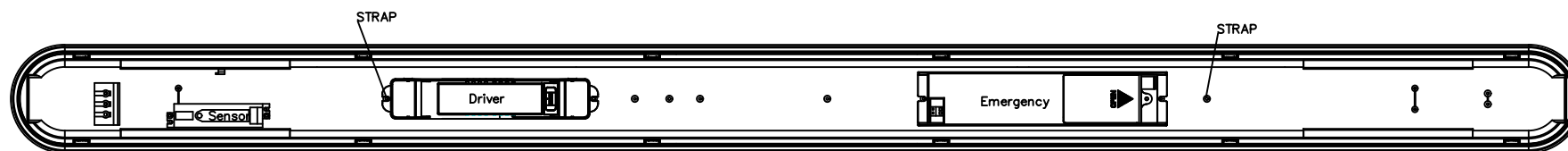
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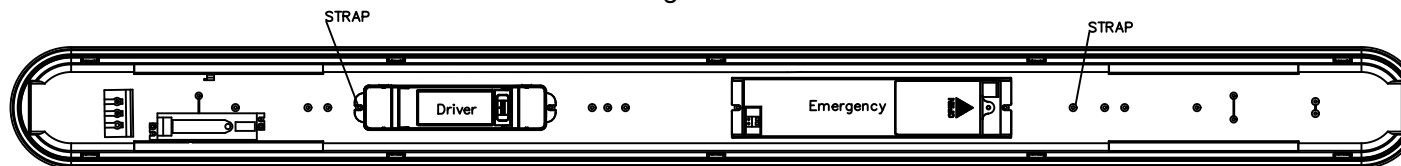
6FT Single & Twin



5FT Single & Twin



4FT Single & Twin



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All tests must be undertaken at times of least risk and in accordance with EN 50172:2004 as indicated below:

Daily:

LED charge indicators shall be visually inspected for correct operation.

Monthly:

(in addition to the daily check) If automatic testing devices are used, the results of the short duration tests shall be recorded. Test shall be carried out as follows:

1. Switch the luminaire over to emergency mode to operate from the batteries by simulating a failure of supply to the emergency circuit for a period sufficient to ensure correct luminaire operation.

Note: The period of simulation failure should be sufficient for the purpose of this clause whilst minimising damage to the system components e.g lamps. During this period, all luminaires shall be checked to ensure that they are present, clean and functioning correctly. At the end of this test period, the unswitched supply should be restored and any indicator lamp or device should be checked to ensure that is showing that the supply has been restored.

Annually:

If automatic testing devices are used, the results of the short duration tests shall be recorded. For all other systems the monthly inspection shall be carried out and the following additional tests made:

1. Each luminaire shall be tested monthly as above but for its full duration in accordance with the manufacturer's information.
2. The unswitched supply for the luminaire should be restored and any charge indicator lamp or device should be checked to ensure that it shows the unswitched supply has been restored. The charging arrangements should be checked for proper functioning.
3. The date of the test and its results shall be recorded in the system logbook.

A copy of this report must accompany any emergency luminaire returned to KSR Lighting for any reason.

Battery Maintenance (Removal and Replacement Procedure)

For battery servicing please refer to **Fig 1**, showing how to access the battery compartment, please ensure when changing the battery that the circuit is isolated and that the battery replacement is compatible with the product description.

To access the battery compartment simply remove the locking screw with a screwdriver and proceed to remove cover by releasing the holding tab located to the left side of the compartment.

When cover is removed disconnect old battery and recycle in accordance with WEEE under directive 2014/30/EU, this should be disposed of in accordance with local legislation.

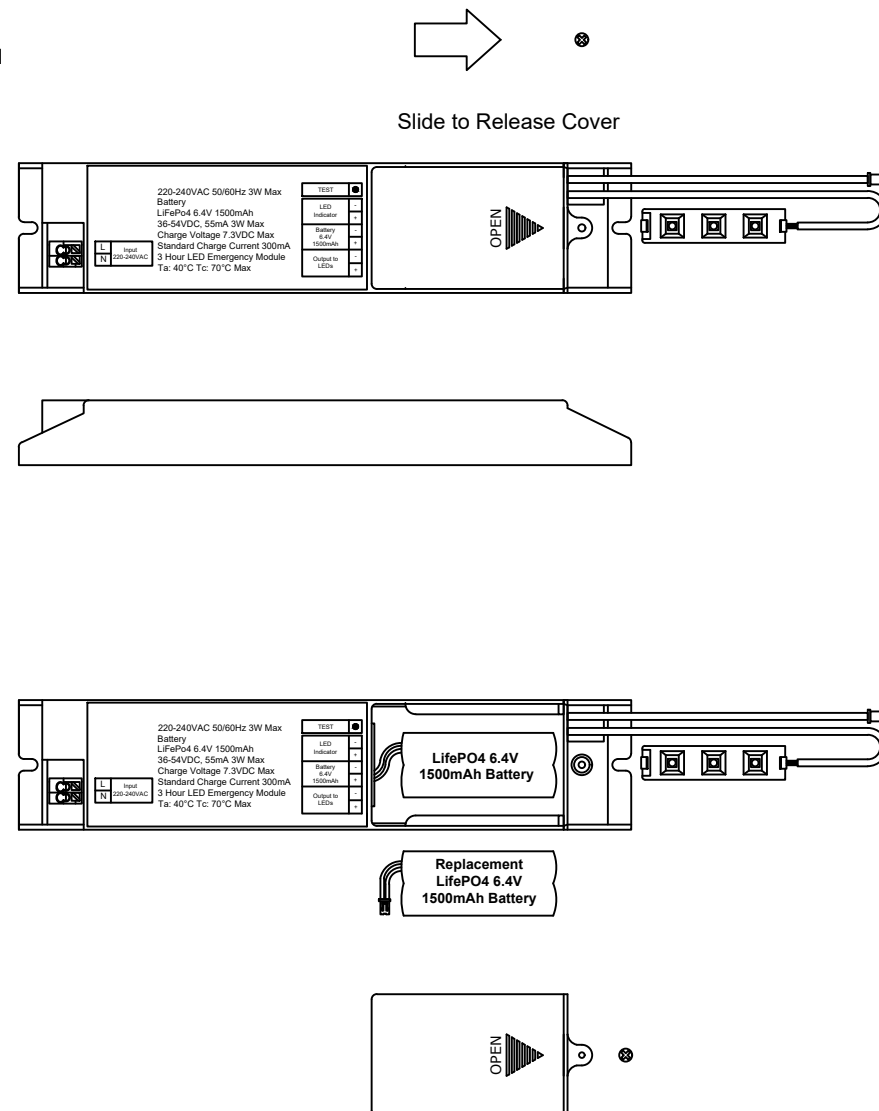
Proceed to connect the new battery by clicking connectors back together and replace battery back into battery housing

With battery in place replace cover onto compartment and fasten in place with locking screw removed earlier

Turn on the mains supply and test luminaire

Any deviation from the battery specification may result in damage to the emergency circuit or failure to perform under emergency conditions.

Fig. 1



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Emergency Lighting Periodic Test Schedule

All emergency lighting should be installed and tested in accordance to EN5266-1:2011. This test schedule should remain onsite and be accessible to the relevant authorities on request.

[illegible]

Site Address:

Test Conducted By:

Date of Test Completion:

Comments/Actions

[illegible]

x ✓=Pass, X=Fail, N/T=Not Tested, N/A=No Access, U/T=Uncomplete Test