



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 internal 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. Wire as required below (Fig.1): Connect the mains input Unswitched Live (PL), Neutral (N). The low voltage side outputs to the LED emergency array this clips into the cut-out in the LED tray facing towards the diffuser. Then connect the battery by removing the screw and retain. Slide the cover off and connect the battery terminal to the battery terminal on the board, re-install the battery and battery cover and secure with screw that was retained. Install the LED indicators in the pre-made holes in the LED tray ensuring they are visible when the emergency is switched on. Please note once installed correctly inside the body this will ensure the self-test emergency pack is protected to IP65.

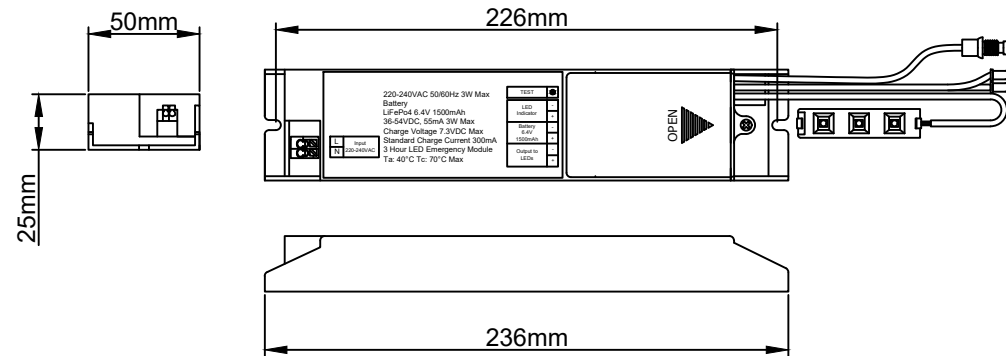
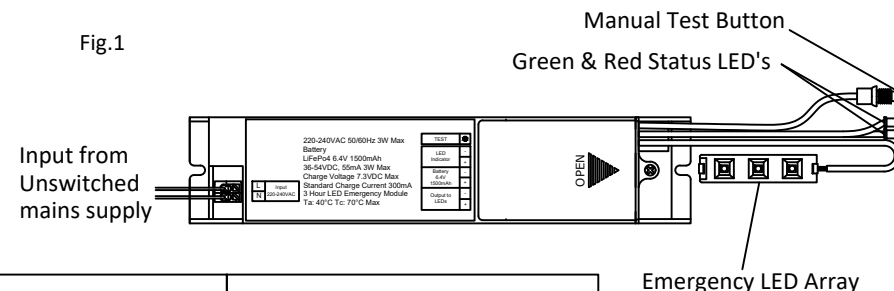


Fig.1



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
---	---

Please note: For manual testing purposes a provision is made in the form of a remote push button switch (Fig 1). See separate sheet for details on manual testing.

Turn on the power and ensure the module is showing charge indicator and the fault indicator is extinguished. This fitting requires a 24 Hour initial charge period, please see overleaf for testing manual 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 the operation is less than 3 hours after a 24hr charge time with no interrupted supply.



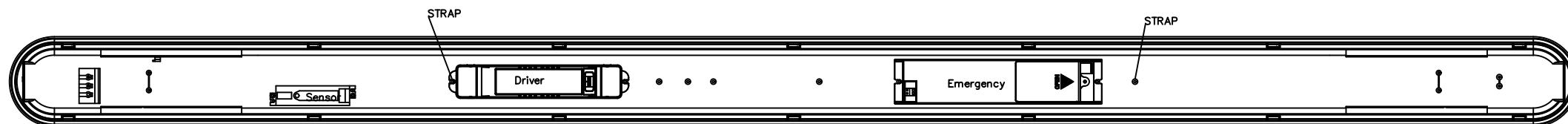
KSR Lighting Aftersales: 023 92 674343
E-mail: aftersales@ksrlighting.com



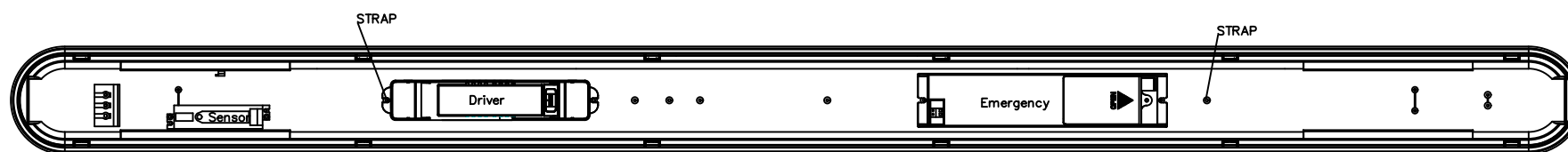
Read these instructions before commencing installation. Please give these instructions to the owner/occupier after installation to retain for future reference/maintenance.

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

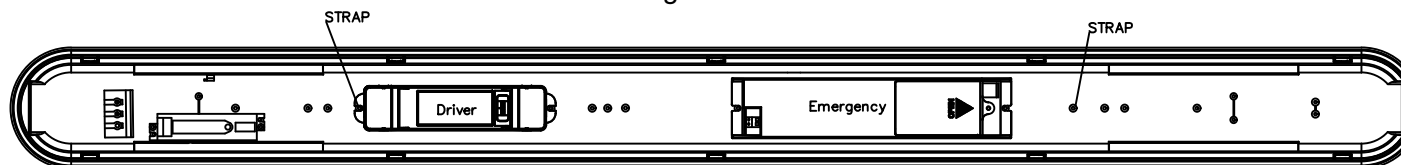
6FT Single & Twin



5FT Single & Twin



4FT Single & Twin



KSR Lighting Aftersales: 023 92 674343
E-mail: aftersales@ksrlighting.com

KSR Lighting Ltd, Optimum House, Beeding Close, Southern Cross Trading Estate,
Bognor Regis, West Sussex, PO22 9TS.



All full duration tests should be where possible be undertaken at times of low risk adjacent emergency luminaires we recommend that you you reset the inbuilt timer or run a manual 30 day test on alternate emergency luminaires to stagger testing times. Once commissioned fill in the date of the first test/install date this will allow the end user to monitor and record subsequent test information on the supplied report. All tests with the exception of the visual inspection will be completed automatically at the relevant times including battery charge condition and lamp status.

Daily:

Visual inspection of the battery charge LED.

Automatic Monthly (Every 30 Days):

(in addition to the daily check) The results of the short duration test shall be recorded.

Automatic Annually (Every 180 & 360 Days):

(in addition to the daily check) The results of the full duration tests shall be recorded.

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

Performance Indicators	
Normal Operation	Red LED off, Green LED Solid
Automatic 30 Day Test	Red LED off, Green LED flashing once a second
Automatic 180/360 Day Test	Red LED off, Green LED flashing twice a second
Manual Simulated Power Failure	Red LED off, Green LED off
Manual 30 Day Test	Red LED off, Green LED flashing once a second
Manual 180/360 Day Test	Red LED off, Green LED flashing twice a second
Manual Fast Test (24 minutes)	Red LED off, Green LED four times a second

Manual Testing - Can only be completed under mains conditions	
Manual Simulated Power Failure	Hold test button until you hear 1 beep
Manual 30 Day Test	Hold test button until you hear 2 beeps
Manual 180/360 Day Test	Hold test button until you hear 3 beeps
Manual Fast Test (24 minutes)	Hold test button until you hear 4 beeps
Abort Test	Hold test button for 1 second
Reset Inbuilt Timer	Hold test button for 15 seconds long beep

Fault Indicators	
Battery/Charging Fault	Red LED flashing once a second, Green LED off, Beeps twice every minute until fault rectified
Lamp Fault	Red LED flashing twice a second, Green LED off, Beeps twice every minute until fault rectified
Failed Duration Test	Red LED solid, Green LED off, Beeps twice every minute until fault rectified



KSR Lighting Self Test Emergency Install/Inspection/Test Record



Product Code:	Product Description:
Product Location:	
Commissioning Date:	Commissioned By:

Month	Test	Year:		Year:		Year:		Year:		Year:	
		Sign	Date	Sign	Date	Sign	Date	Sign	Date	Sign	Date
01	Function										
02	Function										
03	Function										
04	Function										
05	Function										
06	Duration										
07	Function										
08	Function										
09	Function										
10	Function										
11	Function										
12	Duration										