

# Emergency LED Conversion Kit-Self Test

## SAX01-91944

### Wiring Instructions

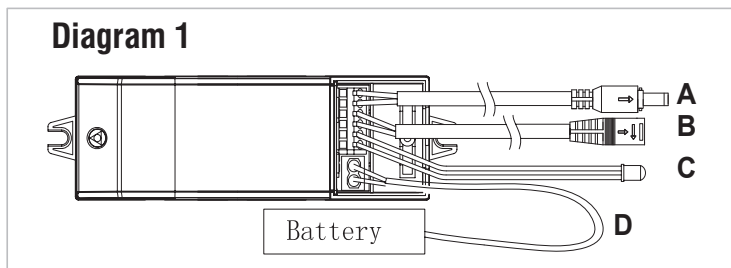
- For products as below, the cables will be fitted as per Diagram 1.

SirioDisc : 73719 / 73720 / 73810 / 73811 / 73812 / 73813 / 90955 / 90956;

Sirio : 75505 / 75506 / 75507 / 75512 / 75515  
/ 78546 / 92725;

Stratus : 81023 / 81024 / 81025 / 81026 / 92270  
/ 92272 / 92273 / 92274 / 92276 / 92277  
/ 92542 / 92543;

Axial : 78537 / 78538 / 78540 / 78542.



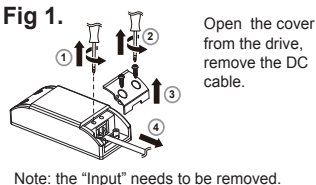
- For products as below, the cables will be fitted as per Diagram 2.

OrbitalPlus : 69880 / 69881 / 69882 / 69883 / 69884 / 69885;

OrbitalPro : 71210 / 71512 / 90954.

### Diagram 2

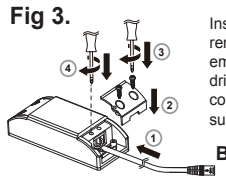
Fig 1.



Open the cover from the drive, remove the DC cable.

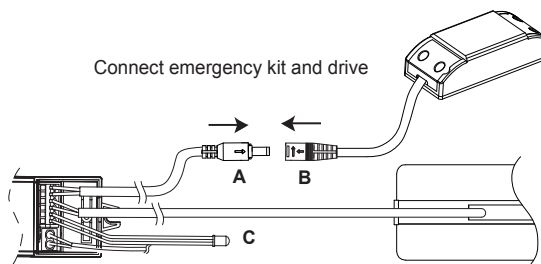
Note: the "Input" needs to be removed.

Fig 3.



Install the "B" cable removed from the emergency kit onto the drive. note: Identify the correct cable from the supply and pull through.

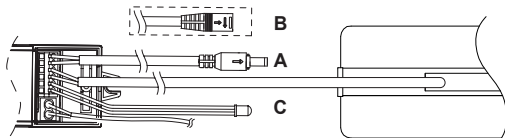
Fig 4.



Connect emergency kit and drive

Fig 2.

remove the cable "B" from the emergency kit and install the led lamp into the emergency kit



### Product Features

- Self test function
- Lithium intelligent automatic recharging
- Constant power output
- Wide range LED voltage 6-60V
- 3h emergency operation
- Over discharge protection
- Test button
- 2-colour status display LED
- Fitted with LifePO4 battery
- Suitable for LED luminaire with detached driver

### Self Detection Function

Key operation	Functional Description
Functional test (battery failure & load failure)	<ol style="list-style-type: none"> <li>1) Initiate a 5 seconds function test when press test button</li> <li>2) Auto-run a 5 seconds function test every week</li> </ol>
Emergency duration time test	<ol style="list-style-type: none"> <li>1) Initiate a 3 hours duration test after new battery been full charged (24 hours)</li> <li>2) Auto-run a 3 hours duration test every half year</li> <li>3) Auto-run a 3 hours duration test every year</li> </ol>

\*The starting time for self test is the first time the electricity is turned on, the MCU clock is kept ticking by the battery until the battery is replaced.

# Emergency LED Conversion Kit-Self Test

## SAX01-91944

### Status Indication

LED indication	Commentary	Notes
Permanent green	System OK	AC mode
Fast flashing green (0.1s--0.1s)	function test (press test button, weekly check)	Detection of emergency switching function
Slow flashing green (1s--1s)	Duration test (Initially check, half yearly check, annually check)	Emergency time 3hours
Permanent red	Luminaire failure	Open circuit / short circuit / LED failure *1
Fast flashing red (0.1s--0.1s)	Charging failure	Battery under voltage
Slow flashing red (1s--1s)	Battery failure	Battery failed the test / Battery is defect / Incorrect battery voltage
Green and red off	DC mode	Battery operation (emergency mode)

\*1 If the emergency controller runs the self test program and detects the load fault(LED), then the red light will light up and the output will stop, it is necessary to judge the fault, repair the load, and press the test button 10s, restore normal.

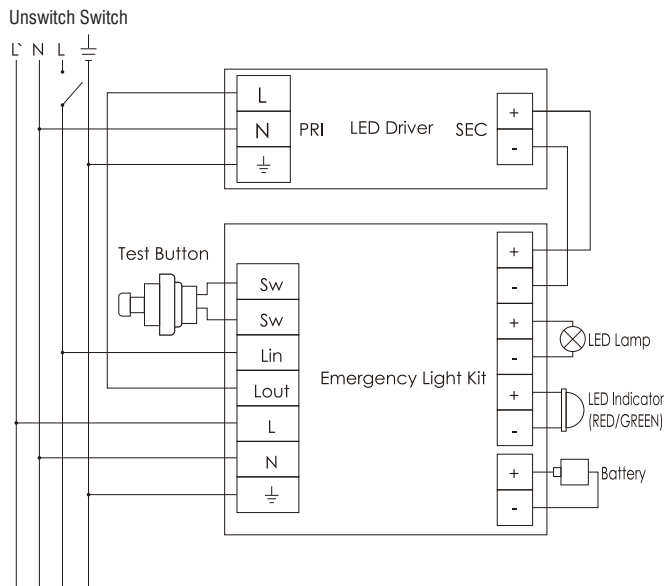
### Important Notes

- This product must only be installed by a licensed electrician.
- Please ensure to disconnect the power supply when installing.
- Please connect according to the diagram diagram.
- Please keep battery as far away as possible from lamps / heat source when installing.
- It is recommended to disconnect the battery before storage or delivery.
- The LED charge indicator must be positioned where it can be seen without the need for the fitting to be removed from the ceiling or for tools to access it. This will in nearly every instance mean it must be mounted in the ceiling through it's own hole.
- If the luminaire turns on when the test button is pressed, the system is working correctly.

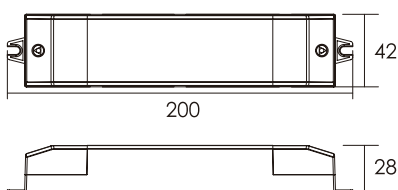
### Technical Data

Rated supply voltage	220-240V~
Frequency	50/60Hz
Input current	30mA
Input power	3.5W
Power factor	0.65C
Charge current	280mA
Recharge hours	24h
EM LED current LED	370-38mA
EM LED voltage	6-60V
EM LED power LED	2.3W
EM LED emergency time	3h
Ambient temperature ta	0... +50°C
Max. casing temperature tc	+80°C
Battery type	LifePO4 3.2V 6.6Ah
Dimensions (LxWxH)	200x42x28
Fixing centre D	190mm

### Wiring for LED Driver

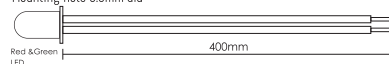


### Dimensions (mm)



Status Indication LED

Mounting hole 6.5mm dia



Test Button

Mounting hole 7.0mm dia

