

INSTALLATION INSTRUCTIONS

Batten Plug & Play 240V 3Hr Manual/Self-Test Emergency Kit
 Product Codes: **PP/KIT/EMST**

Safety Warning



- The installation should be carried out by a qualified electrician in compliance with the current edition of the IEE Wiring Regulations.
- Prior to installation, carry out the necessary risk assessment considering the people who could be at risk, the level of risk and the precautions required to control the risk
- Ensure that the circuit supply is isolated either by the circuit supply fuse being removed or the applicable circuit breaker being turned off before installation or any maintenance.
- Check the total load on the circuit ensuring the luminaire does not exceed the rating of the circuit cable, fuse or circuit breaker.
- Long-term use and voltage fluctuations can reduce the life span of the fitting.
- If the fitting incorporates control gear, ensure careful sizing to avoid instances of nuisance tripping of the protective device used in the installation.
- Follow the provided installation instructions, using the fixings supplied or recommended.
- Keep out of reach of children.

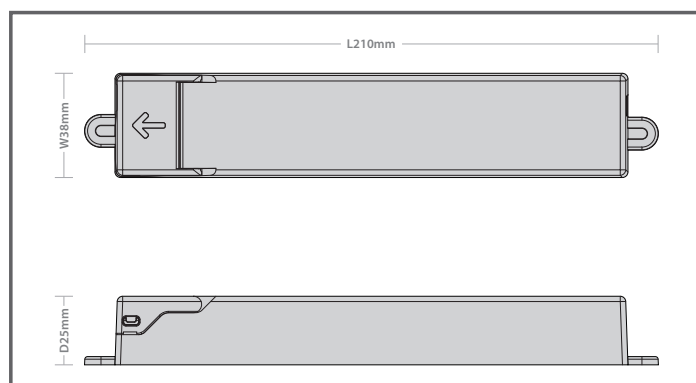


Specification

Box Contents -

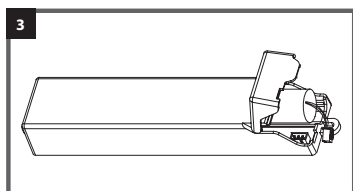
1 x Batten Plug & play 240V 3Hr Manual/Self Test Emergency Kit

Dimensions:	L: 210 x W: 38 x D: 25mm
Material:	Polycarbonate
IP Rating:	IP20
Guarantee:	5 Year



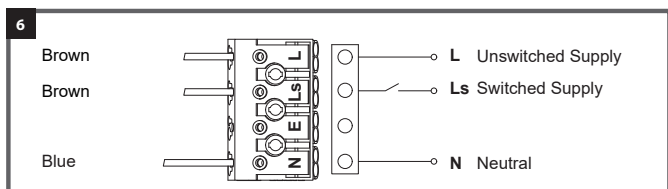
Installation Instructions

- Isolate the mains supply before commencing with the installation.
- Ensure the selected product is suitable and compatible with the emergency pack.
- Select if the emergency is to be self-test or manual test before commencing with the install (DO NOT SECURE THE BATTERY COVER AT THIS STAGE)

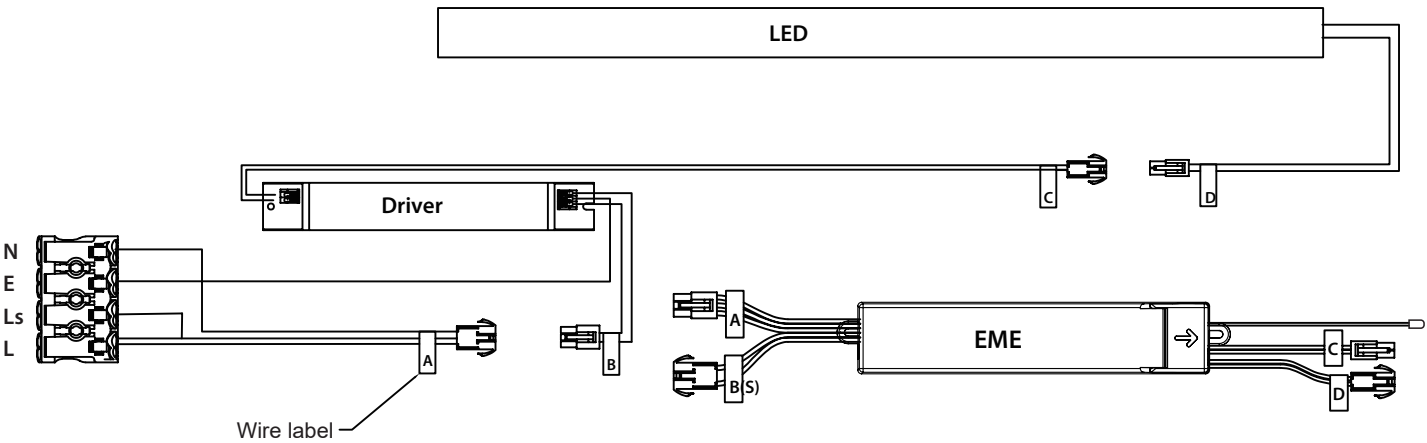


- Locate the emergency pack installation position and orientation. Locate the foldable mounting legs on the geartray with the embossed letters 'EM' and then lay the emergency pack down on to the geartray and fold the legs securing the converter.
- Follow the wiring guide supplied with the luminaire.
- Ensure the luminaire has a switched live supply to "Ls" and unswitched live supply "L".

Note: If converting to Emergency with the EM Kit (Supplied separate) the luminaire will require a secondary unswitched live supply "L" as well as a switched supply. The unswitched supply "L" must be taken from the same phase as the "switched" supply and must be wired to the same MCB so that upon test, it is isolated at the same time as the switched supply.



- 7. Ensure cable is neat and tidy to prevent any damage and causing dark spots in future.
- 8. Connect the battery pack and close the battery cell.



Wiring Overview (seek guidance from the Luminaire's Instruction)

Normal Operation:	A-B, C-D	(Terminal block to driver, driver to LED)
Emergency:	A-A, BB, C-C, D-D	(Terminal block to emergency, emergency to driver, driver low voltage, output to emergency, emergency to LED)
Emergency and On.Off Sensor:	A-A, B-B1, B2-B, C-C, D-D	(Terminal block to sensor, sensor to emergency, emergency to driver, driver low voltage output to emergency, emergency to LED)

Explanation of LED Indicator

LED Colour	LED Indication		Status	Comment
Green		Permanent Green	Charging Mode Fully Charged	AC mode
		Fast Flashing Green (0.1Sec On, 0.1 Sec Off)	Function Test Underway	
		Slow Flashing Green (1 Sec On, 1 Sec Off)	Duration Test Underway	
Red		Perminant Red	Load Failure	Open Circuit / Short Circuit LED failure (Emergency Mode)
		Slow Flashing Red (1 Sec On, 1 Sec Off)	Battery Failure	Battery failed the duration test or function test / No battery
		Green and Red Off	DC Mode	Battery operation (Emergency Mode)

Tests

Self-test

- The Emergency kit will perform self-tests automatically to ensure its functionality.
- The self-test includes 3 types of tests:

Initial test

- When power supply is reconnected the emergency kit will carry out a 3-seconds functional test automatically.
- In case of a failure, the LED will turn permanent red. Otherwise, the charge mode will start.

One-time test

- When the power is first connected after installation the emergency kit will fully charge the batteries for 24hours.
- Then a one-time duration test will be performed.

Functional test

- Refers to charging, discharging and the functioning of load.
- This test will be performed for 10 seconds automatically every 30 calendar days.

Duration test

- Refers to the test of batteries capacity.
 - This test will be performed at random intervals between every 170 - 180 calendar days.
- (This is to prevent all luminaires from performing a duration test at the same time)

Rest Mode

Rest mode can be initiated during the emergency mode by pressing test switch longer than 3 seconds. The rest mode will be exited automatically after reconnect AC mains.

Note: If mains supply is off during self test period, emergency conversion module would terminate self test immediately and go into the emergency mode. Self-test is performed in line with EN 62034.

Additional Information

- To guarantee the rated discharge time, please charge the battery for more than 12 hours. Please ensure that the voltage is 80% higher than the rated voltage, less than 110% of the highest rated voltage.
- Charge and discharge cycle needs to be done at least once every three months, and the continuous charging time can not exceed 3 months.

Guarantee

This product is guaranteed for a period of 5 years from the date of purchase. The guarantee is invalid in the case of improper use, tampering, removal of the Q.C. date label, installation in an improper working environment or installation not according to the current edition of the I.E.E. Wiring Regulations (BS7671). The guarantee is also invalidated if the luminaire has been insulation tested. Should this product fail during the guarantee period it will be replaced free of charge, subject to correct installation and return of the faulty unit. We do not accept responsibility for any installation costs associated with the replacement of this product. Your statutory rights are not affected. We reserve the right to alter specifications without prior notice.

INS/ACCESSORIES/0008/PP/KIT/EMST/V1



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