INSTALLATION **INSTRUCTIONS**

Titan X

Product Codes: **TITANX/5/KIT/230**

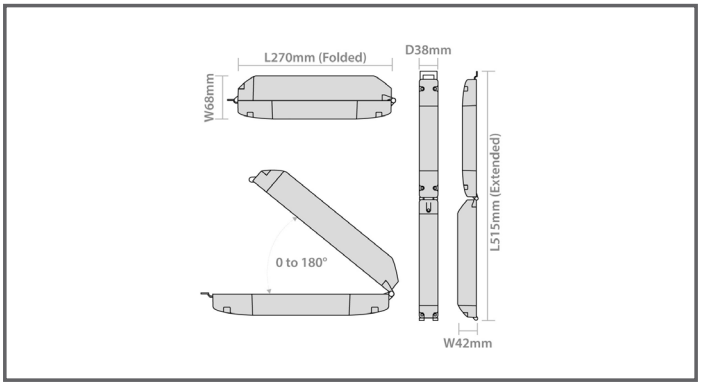
Safety Warning

- 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 Titan X Emergency Conversion Kit 230V

Dimensions:	Folded - L: 270 x W: 68mm Extended - L: 515 x W: 42 x D: 38mm
Material:	Polycarbonate
Working Temperature:	5°C to +50°C
Included:	White LED Indicator mounting bezel



5 WATT | 230V | LED | IP20 | 5 YRS GUARANTEE | BATTERIES INSIDE LiFePO4

The unit provides reinforced insulation between the mains supply and battery charging circuit and employs self-resetting protection against short-circuit of battery terminals. Normal charging will resume automatically once a fault is removed.

Installation Instructions

NOTE – To comply with regulations, installation must be carried out by a suitably qualified competent person and in accordance with the current IET wiring regulations (BS7671) and building regulations.

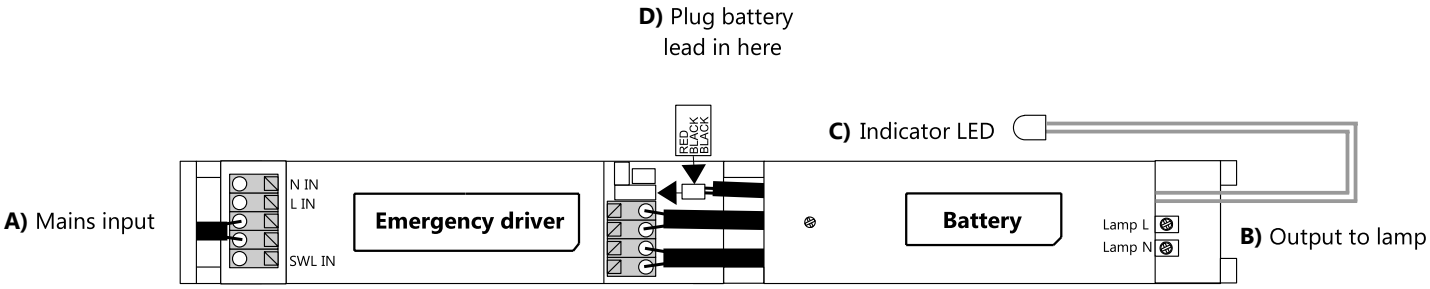
Ensure the mains supply is isolated before attempting installation!

Universal Remote Emergency Pack - For use with LED Modules only.

1. A recessed plastic bezel can be found inside the packaging carton to assist installation of the indicator LED. A 14-16mm hole should be drilled in the requied location so it is visible during normal use.
2. Before use, the battery will need to be connected by plugging in the red and black lead from the hinged end of the battery box into the appropriate white socket, under the cover at the hinged end of the emergency driver.

Important: The battery plug and socket are polarised and should be connected together carefully and ensuring the polarity is correct. To avoid subjecting the battery to excessive charge/ discharge cycles during installation stages, it is strongly recommend the battery is only connected when the mains supply is stable and the product is ready for commissioning.

3. Open the terminal cover lid to access all connections and wire as per the diagram. The battery plug and socket are polarised and should be connected together carefully and ensure correct polarity is observed.



A. Emergency driver mains input is as follows
Neautral IN
Un-switched Live IN
Switched Live IN

B. Output to 240VAC lamp connections are as follows
Lamp Live
Lamp Neutral

C. When the un-switched mains supply is turned on, the green indicator LED should be illuminated as follows: LED On: Mains supply ok, battery connected and charging. LED OFF: Mains supply is off (or below 160V), the battery is not connected or possible faulty unit.

D. Connect the battery when the mains supply is stable and the product is ready for commissioning. (Ensure polarity is correct).

Commissioning

Once the luminaire has been installed and basic emergency functionality checked, the battery should be allowed to charge for a minimum period of 24 hours before testing for its rated duration. If it is anticipated that the un-switched supply may be interupted, it is imperative that the battery is left disconnevcted and commissioning is delayed until the supply is stable. If the luminaire has been stored for a number of months, it may be necessary to repeat the charge/discharge process several times to re-condition the battery. After successful commissioning, the battery box label should be marked with the date of the test and the engineer responsible.

Emergency Lighting 'Standard' or 'Manual' Test

The following minimum ongoing inspections and tests should be carrid out.

Monthly
Switch off the mains power supply to the lighting unit. Inspect all emergency lights for satisfactory operation.

Yearly
Switch off the mains power supplu to the lighting unit. Leave the unit to run for the rated period (three hours). The lights should remain operable from the battery for the whole period.

Any defects should be noted and rectified by a competent person as soon as possible. Please be aware that further inspection/testing may be required, e.g. by risk assessment/local legislation.

Batteries and Disposal

The battery has a designed service life of 5 years, but if it no longer provides the rated duration (3 hours) it must be replaced with an identical part. See product label for contact details.

The manufacturer of the emergency pack is committed to fulfil its obligation as a producer of batteries used in emergency lighting applications. End of life batteries may either be returned to the emergency pack manufacturer at the customers cost and arrangements will be made to ensure their correct disposal. Alternatively it may be more convenient for the customer to deliver end of life batteries to site(s) of authorized treatment facilities at their cost and it will be ensured that they are accepted back and subsequently treated to the standard required by the regulations.

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/SITE/0025/TITANX/5/KIT/V1

RED ARROW

Red Arrow Electrical Ltd
Cortonwood Drive, Brampton,
Barnsley, S73 0UF

T: 0800 195 0006
sales@redarrowelectrical.co.uk

redarrowelectrical.co.uk

INSTALLATION **INSTRUCTIONS**

Emergency Testing Sheet

Testing (Emergency Versions)

The emergency lighting must be tested and inspected regularly in accordance with local codes of practice.
NOTE: For safety reasons tests should be carried out preceeding time of low risk, to allow for battery recharge.
The minimum recommended test schedule is as follows:
Commisioning - After installation, allow 24 hours to ensure full battery charge, and then interrupt the supply; check after 3 hours that the light is still illuminated.
1. Daily - Check that the charge indicator LED is working.
2. Monthly - Interrupt the power supply for a period sufficient to ensure each light is illuminated. At the end of the test, restore the supply and check the indicator is illuminated.
3. Annually - Interrupt the supply as in 2, but for the full rated duration. Ensure the light is illuminated at the end of the rated duration. Restore the supply and check the indicator is illuminated.
4. Record the date and result of each test, attending to any maintenance required in the event of a test failure.

Luminaire Location ..... **Date Installed** .....

Date Commisioned .....

Month	Test	Year 1			Year 2			Year 3		
		Signed	Result / Action	Date	Signed	Result / Action	Date	Signed	Result / Action	Date
1	Functional									
2	Functional									
3	Functional									
4	Functional									
5	Functional									
6	Functional									
7	Functional									
8	Functional									
9	Functional									
10	Functional									
11	Functional									
12	Full Duration									

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