

Titan X

Product Codes: **TITANX/4/KIT/230/EMST**

Safety Warning



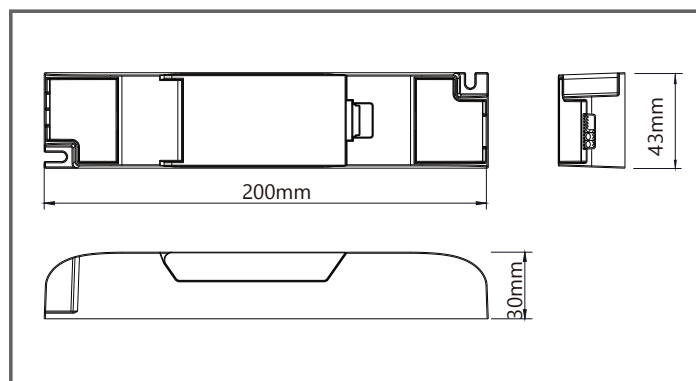
- The installation should be carried out by a qualified electrician in compliance with the current edition of the IEE Wiring Regulations.
- Prior to installation, carry out the necessary risk assessment considering the people who could be at risk, the level of risk and the precautions required to control 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 - TITANX/4/KIT/230/EMST

Dimensions:	L: 200 x W: 43 x D: 30 mm
Material:	Polycarbonate
Working Temperature:	0°C to 50°C
IP Rating	IP20
Frequency	50/60Hz
Colour Finish	White



Self-test

The emergency kits carry out self-tests automatically to ensure their functionality. The self-test includes three types of tests:

Initial test

As soon as mains supply is connected, the emergency kit will carry out a 3-second functional test automatically. In case of a failure, the LED will turn permanent red. Otherwise, the charge mode will start.

Functional test

Refers to charging, discharging and the functioning of the load. Carried out for 10 seconds automatically every 30 calendar days.

Duration test

Refers to testing the battery capacity. Carried out every 180 calendar days.

Rest mode

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

Please note

If the mains supply is off during the self-test period, the emergency conversion module will terminate the self-test immediately and go into emergency mode. Self-test is under the regulation of EN 62034.

Rated input voltage	220–240VAC, 50/60Hz
Input current	<50mA
Input power	4W max
Power factor	>0.5
Terminal L-in / L-out (LED driver input constant)	AC 2A max
Output voltage range	DC 50...280V, Uout< 300V
Max output current	75mA
Output power (constant)	4W max
Battery cells voltage/capacity	LiFePO4 6.4V 3.2Ah, 20.48Wh
Recharge current	0...220mA
Recharge time	24 hours
Discharge time	180 minutes
Max casing temperature (tc)	80°C

	Color	LED indication	Status	Comment
	Green	Slow flashing green (3 sec on, 1 sec off)	Charging Mode	AC mode
	Green	Permanent green	Fully Charged	AC mode
	Green	Fast flashing green (0.1 sec on, 0.1 sec off)	Function test underway	
	Green	Slow flashing green (1 sec on, 1 sec off)	Duration test underway	
	Red	Permanent red	Load failure	Open circuit/ Short circuit Led failure (emergency mode)
	Red	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)

The test button is an open switch. When pressed, it makes a connection; when released, it cuts off automatically. During daily maintenance, pressing the test button will place the emergency driver into emergency mode. Once the button is released, the emergency driver returns to normal mode.

This product has a warranty 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 warranty is also invalidated if the luminaire has been insulation tested. Should this product fail during the warranty 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.

- This fitting will require routine cleaning if used in adverse (dust, paint, welding, oils, etc) environments. Do not use solvents, aggressive detergents or abrasives.
- The Driver in this product can be replaced at the end of life. This must be carried out by a professional, competent person.
- When this fitting comes to the end of it's life or you choose to replace it, please do not dispose of it with your normal waste. Please recycle where the facilities exist, check with your local authority for suitable options.

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:
 Commissioning - 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									