

IMPORTANT INFORMATION

SMARTSCAN LUMINAIRES ARE SUPPLIED WITH RADIO (RF) COMMUNICATIONS DISABLED (AN AMBER LED WILL BLINK ONCE EVERY EIGHT SECONDS WHEN RF IS INHIBITED). SMARTSCAN LUMINAIRES MUST BE COMMISSIONED BY APPROPRIATELY TRAINED PERSONNEL. PLEASE CONTACT THORLUX TECHNICAL +44 (0)1527 586400 FOR MORE DETAIL.

GENERAL

- **SmartScan** adds wireless communication to the Thorlux Smart and Smart External lighting control systems.
- **SmartScan** uses 868MHz wireless mesh technology to provide unrivalled wireless performance (922MHz Australasia).
- For programming instructions see **Smart Controls 21LFT32418** or **Smart External 21LFT 25430**

DEFAULT SETTINGS

Each **SmartScan** luminaire is delivered without its addresses set and radio (RF) communications disabled.

- It is important to set addresses correctly
- RF transmission **MUST** be enabled for SmartScan luminaires to communicate.

INSTRUCTIONS

A maintained luminaire can be switched in the usual way when mains are healthy. Upon mains failure the nominated emergency lamp will operate at a reduced brilliance, for a period of 3 hours unless normal mains is restored.

A non-maintained luminaire will only operate on mains failure and therefore needs to be fed from the local lighting circuit.

The power source is a set of rechargeable nickel-cadmium or nickel metal hydride cells. All the electronic circuits employed have the added facility of deep discharge protection, which will prevent possible damage to cells caused by over discharge.

The luminaire contains an automatic charging unit and batteries should be charged for a minimum of 24hrs to achieve the specified discharge period.

This type of luminaire is generally restricted to an ambient temperature range between 0°C and 25°C. Mains voltage tolerance is $\pm 6\%$.

IMPORTANT

To prevent false triggering of fault status please note the following :-

- **Ensure the light source is fitted correctly to the luminaire prior to applying power.**
- **Do not interrupt unswitched supply during self commissioning period. Please allow 51 hours for charge, discharge, charge cycle.**

INSTALLATION & WIRING

There is no restriction on the type of cable to be used. Careful consideration should be applied when calculating the size of cable for larger installations. Voltage drops should comply with the latest I.E.E. wiring regulations.

All luminaires must be properly earthed. Connect the terminals marked 'UNSWITCHED MAINS' to a direct supply.

The permanent line provides a reference for the emergency gear and a source to charge the batteries when in standby mode.

SERVICING & LAMP REPLACEMENT

Servicing, e.g. cleaning, light source or fuse replacement, should only be carried out after the luminaire has been electrically isolated and batteries disconnected.

When replacing lamps the switched mains should be off and the unswitched mains left on. This will prevent lamp operation under simulated emergency conditions. Ensure that the new light source is making

a positive connection and is securely fixed. Lamps should be in good condition for reliable emergency operation. The life of the batteries will generally depend upon the ambient temperature of the installation. A life of at least 4 years can normally be expected.

SAFETY

Thorlux luminaires should not be modified. Any modification may render the luminaire unsafe and will invalidate any safety/ approval marks.

Thorlux will not accept any responsibility for any modified products or for damage caused as a result of their modification.

Deposits on external surfaces of cells must be prevented from contact with sensitive areas of the body. If contamination should occur, wash with clean water immediately. If readily available, a mild acid such as vinegar can be used as a neutralising agent. Care should be taken to ensure that cells are connected correctly with regard to polarity.

Damage to equipment could occur or an explosion in an extreme case.

WHAT IS THE SMARTSCAN EMERGENCY SYSTEM?

SmartScan is the same as any self-contained emergency luminaire but the electronic module has an integral microprocessor to monitor and automatically test. The normal LED indicator will show when faults are found. Status is then wirelessly transmitted through the SmartScan mesh network back to the SmartScan Gateway.

SmartScan Emergency Modules

Fault	ELP	Tridonic	Mackwell
Normal mode	Green LED - ON	Green LED - ON	Green LED - ON (Pulses every 10 seconds)
Commissioning	Green LED - slow flash	Green LED - ON	Green LED - slow flash
Function test	Green LED - fast flash	Green LED - fast flash	Green LED - fast flash
Duration test	Green LED - slow flash	Green LED - slow flash	Green LED - slow flash
Lamp fault/open circuit/short circuit	Red LED - ON	Red LED - ON	Red LED - fast flash
Battery fault	Red LED - slow flash	Red LED - slow flash	Red LED - slow flash
Charge fault/Circuit fault	Red LED - fast flash	Red LED - fast flash	Red LED - fast flash
Emergency mode	LED OFF	LED OFF	LED OFF
Identification	Red/Green LED - slow flash	Red/Green LED - slow flash	Red/Green LED - slow flash

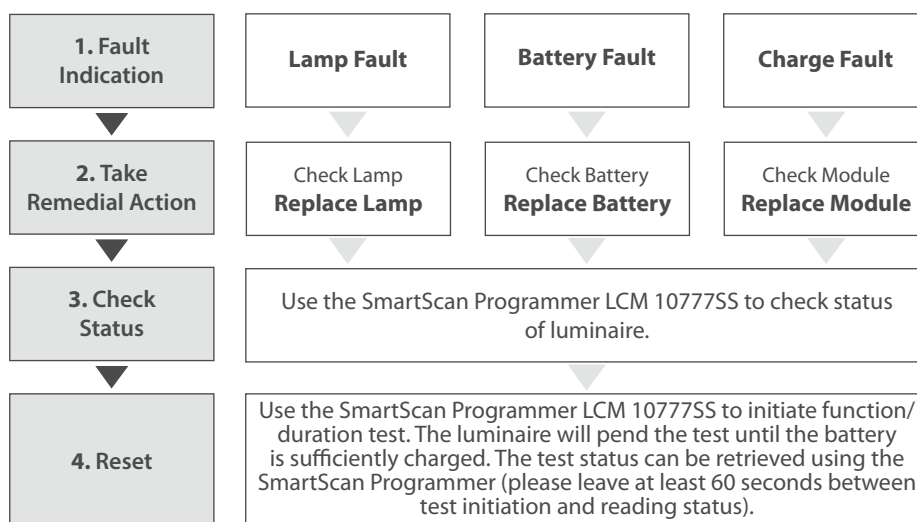
PLEASE NOTE :

SmartScan emergency luminaires may self-test at any time. Consequently, caution should be exercised in situations where this may be inconvenient (such as hotel rooms or hospital wards). Specific testing times can be set via the SmartScan website (SmartScan Gateway required).

FAULT RECTIFICATION SEQUENCE

- After rectification work is carried out, the emergency luminaire must be re-tested to verify the fault has been cleared and to ensure the unit is operating correctly.
- Thorlux SmartScan Luminaires continue to indicate the fault until the unit passes a subsequent test.

NOTE: Once SmartScan has completed an automatic retest - the device will either revert to standby mode if the fault has been cleared or returns to fault indication if fault persists.



GB - NOTICE TO CONTRACTOR - PLEASE PASS THIS LEAFLET TO THE END-USER.
 FR - A L'ATTENTION DE L'INSTALLATEUR - MERCI DE TRANSMETTRE CE DOCUMENT À L'UTILISATEUR.
 DE - HINWEIS AN DIE MONTAGEFIRMA - BITTE GEBEN SIE DIESE INFORMATION AN IHREN KUNDEN WEITER.
 IT - AVVISO PER CONTRATTOR - LA PREGHIAMO DI INFORMARE ILLUSTRATIVO ALLE UTENTE FINALE.
 SE - INFORMATION TILL ENTREPRENÖREN - VÄNLIGEN VIDAREBEFORDRA DETTA INFORMATIONSHÄFTE TILL SLUTANVÄNDAREN.
 ES - NOTA AL CONTRATISTA - POR FAVOR HAGA LLEGAR ESTE FOLLETO AL CLIENTE FINAL.
 NL - MEDEDELING VOOR DE AANNEMER: GEEF DEZE INFORMATIE DOOR AAN DE EIND GEBRUIKER.
 NO - NOTAT TIL ELEKTRIKER - VÆR VENNLIG Å GI DETTE SKRIV TIL SLUTTBRUKER.
 PL - INFORMACJA DLA MONTAŻYSTY - PROSZĘ PRZEKAZAĆ INSTRUKCJĘ MONTAŻOWĄ DLA ODBIORCY.



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