

## Installation Instructions for 5957, 5958, 5960.

Follow these instructions carefully to ensure safe and reliable operation. Retain this leaflet for future reference. In case of queries contact your supplier.

The Emergency supply unit is permanently connected to the luminaire. The connection cable should NOT be modified in any way.

Please contact the supplier if this equipment is to be installed where the room temperature normally exceeds 30°C (86°F), or when the relative humidity normally exceeds 50%, or in environments with unusually high contamination.

Throughout this leaflet the following coding is used:

- Line (L) - Brown or Red
- Neutral (N) - Blue or Black
- Earth (⊕) - Green/ Yellow or Bare Conductor

## Installation Instructions

1. Remove cover from the emergency unit. (2 screws).
2. **MAINTAINED:** Wire an Unswitched supply to the terminal block marked: 'Unswitched Mains Supply'. Wire the Switched supply to the terminal marked: 'Switched Mains Supply'.

If a single wire (Line) unswitched supply is to be used, link the neutral from the switched supply.

**NON - MAINTAINED:** For Non - Maintained operation (Off when Mains healthy), connect to unswitched mains supply terminal block Only.

3. Mark battery with installation date.
4. Connect the non-reversible battery plug to the battery socket. NOTE: The luminaire will not be live until the mains has been applied and then failed.
5. Replace cover

**WARNING:** Failure to comply with these instructions may result in irreparable damage to the inverter module.

DO NOT insulation test (megger) battery/inverter unit, or lighting system(s) with emergency units wired in.

## Operation

1. **Mains Supply Healthy.**  
Lamp, operates as normal from normal supply that can be switched. Additional unswitched supply charges battery pack (red indicator lamp 'Lit' indicating battery pack charging).
2. **Mains Supply Failure.**  
Lamp remains 'On'. red indicator lamp goes 'Out'.

## Recommended Routine Test Procedure.

The following testing is designed to ensure the continued protection of your premises and occupants. Because of the possibility of a failure of the normal lighting supply occurring shortly after a period of testing, all tests should wherever possible, be undertaken at times of least risk (e.g. during daylight hours)

**Once a Day:** Check L.E.D. is illuminated.  
Switch on luminaire to check lamp.

**Once a Month:** Each unit should be energised from its battery for about 30 seconds by simulation of a failure of the normal lighting supply, to ensure correct functioning.

**Twice a Year:** Each unit should be energised from its battery for at least One Hour.

**Once Every Three Years** (or at the discretion of the enforcing authority): All units, with specified durations in excess of one hour, should be energised for their full rated period.

## Safety

Follow the appropriate national wiring regulations, if in doubt consult a qualified electrician.

Disconnect from Mains supply before installation, maintenance or replacing the lamp(s).

This product must not be modified. Any modification will negate any Safety Mark Approvals and may render the product unsafe. SLI Lighting accepts no responsibility for modified products. The product must be installed in accordance with these instructions.

Suitable for use in ambient temperatures of up to 25°C.

This fitting should not be covered with any heat insulating material and the air flow around it should not be restricted. Note any minimum distances to adjacent surfaces.

This unit should be connected into the lighting circuit, or be fused at 5A.

To ensure good electrical contact, terminals must be screwed firmly and wire strands must not be tinned.

**Rated Lumen Output:** Light output of fitting will vary over the duration of the emergency mode, and minimum output is shown below. Total light output at 1 minute after switch on to emergency operation will exceed these declared values.

## Emergency Light Output

(Lumens)
16W - 85
28W - 155
38W - 165

**Caution:** The values listed above are provided only to check correct luminaire operation. Determination of escape route lighting levels can only be achieved utilising full photometric data.

## Fault Finding:

1. Indicator Lamp Not Illuminated.
  - a). Check 'push together' connector in emergency module.
  - b). A.C. Supply interrupted - restore supply.
  - c). Battery faulty causing charger to shut down (self resetting) - replace the battery.
  - d). Module faulty - contact your supplier.
2. Unit not meeting required emergency duration period.
  - a). Unit operating outside temperature limits - check environmental temperature.
  - b). Unit may need cycling discharge - recharge for 24 hours then retest. If the duration has improved repeat procedure.
  - c). Battery pack needs replacing - contact supplier.
3. Lamp not fully illuminated.
  - a). Insufficient light output. Output from fluorescent lamps decreases with use. To ensure sufficient light output lamps should be changed at set intervals (not when they fail). See lamp manufacturers instructions.
  - b). No light output at all.
    - a). Check monitor lamp is lit when A.C. supply is on.
    - b). Check lamp.
    - c). Check starter.
    - d). Visually check wiring connections.
    - e). Check battery pack using a voltmeter, nominal voltage is shown on the battery.