

## General

This stand-alone emergency lighting unit meets the requirements of EN 60598-2-22, EN 55015 and EN 50082-1. In compliance with this act, the unit is provided with a CE marking.

## Description

These light units include a plastic assembly plate and as such, have double insulation (KLII)

Current	:	230V/50Hz
Continuous lighting	:	8W T5 or LED Strip
Emergency lighting	:	8W T5 or LED Strip
Ambient temperature.	:	0° to 25° C for the unit
Emergency power supply	:	Self contained 3 hour

## Installation

Installation needs to be carried out by a qualified technician (recognised electrical engineer) in conformity with regulations that apply for emergency lighting.

- 1) Remove the outer satin cover by sliding it off the fitting to fully expose the clear Perspex inner cover.
- 2) Unclip and remove the clear cover, this is held in position over the 2 long edges.
- 3) Remove the gear tray, there are 4 small cut outs (2 top and bottom) and gently insert a screwdriver in these positions to remove the gear tray.
- 4) Fix the outer body to a flat even surface (using at least 2 screws or bolts). There are indents in the outer body for fixing.
- 5) Connect the incoming wires into the plug in mains terminal block on the gear tray as labelled:-
  - N: Neutral
  - USL: Unswitched Live
  - SL: Switched Live (Maintained Versions Only)
  - L: Live (Mains only version)

For Non Maintained versions, connect the Neutral to 'N', and the unswitched Live feed to 'USL'.

For the Luminaire to be constantly illuminated, link between 'SL' & 'USL'.

If you want to switch the Luminaire connect the 'SL' to a switched feed, & 'USL' to the unswitched feed.

- 6) Re fit the white gear tray back in the outer body.
- 7) Fit the legend panel into front Perspex cover, this is held in place behind the cover between the ridges, and re clip the Perspex cover over the outer body. Slide the satin over cover back over the Perspex cover.

**EMERGENCY INITIAL TESTING:** Check the LED charge indicator is on with the unswitched supply present. Charge the batteries for 24 hours and then turn off the unswitched live feed by operating the luminaire test switch, if fitted (push and hold) or the supply source as necessary. Check that the LED Strip or lamp illuminates (Lamp at a reduced brilliance) and remains on for a specified period.

## DALI VERSION'S

Connect the Dali cables into the terminal block labeled 'Dali'(Da /Da)

## AUTO TEST AT4 VERSION'S

After a few minutes, remove the unswitched supply and ensure the lamp operates in emergency mode. If the luminaire is to be installed at a later date, disconnect the positive battery lead. Do not reconnect until ready for commissioning, otherwise serious damage to the battery could occur.

## How the Auto Test Function works.

### Operation

The module is capable of testing the performance of the emergency luminaire in accordance with BS5266-1:2005 and IEC62034.

## Automatic Operation - Commissioning Test

Connection of the mains supply will initiate commissioning where the battery will remain on charge for an uninterrupted 24 hours. An interruption of the mains supply will reset the counter to zero. After 24 hours the luminaire will be put into a duration test for the rated period, immediately followed by another 24 hour charge period.

**If the mains supply is to be interrupted for more than 7 days, then the battery MUST be disconnected.**

### Functional Test

A 30 second functional test is carried out at 30 day intervals. This test can also be initiated manually by switching the permanent supply OFF/ON twice within 5 seconds.

### Duration Test

A full rated duration test is carried out automatically at yearly intervals.

Note that start times of the tests are set automatically to ensure random testing of the units.

### Error messages and repair (AutoTest)

Green	10 second 'blink'	Normal standby mode
Green	Slow flash	Commissioning mode or Duration Test in progress
Green	Fast flash	Functional Test in progress
Red	Slow flash	Charging or battery fault
Red	Fast flash	Lamp fault

Slow flash = 0.5Hz, fast flash = 2.5Hz Note: All fault indicators persist until faults are rectified & the system is reset.

### Reset/test button (AutoTest)

As soon as an error is detected during a function test, there will be an audio signal: 3 short bleeps which will be repeated every 35 minutes. This signal will continue until the problem has been resolved and the unit has been reset. Once the problem has been solved, the unit can be reset by switching the test button ON / OFF / ON / OFF within the space of 5 seconds.

### Test status (AutoTest)

Each time the unit is switched on, the LED will display what the following test will be. After 30 seconds, the LED will go out several times (in groups of 3 to make counting easier). This number indicates what the next test will be. For example: after 30 seconds, the LED goes out 6 times (2x3): this means that the next test (after 30 days) will be the 6<sup>th</sup> test (60 min. test). After the 12<sup>th</sup> test, the next test will be test 1.

### Maintenance

See NEN-EN50172. Check daily to see that the LED charge signal is on (mains power supply present; battery power present; and charging in progress). Carry out a function test every month. Every year, you should check the functioning and the lighting duration of the emergency lighting by switching off the mains power supply. Allow the emergency lighting to stay on until it goes out. The latter is essential to guarantee optimum lifespan and functioning of the batteries. If the emergency lighting does not work for at least an hour the batteries must be replaced. As a precaution, you should replace batteries every 5 years anyway. Record all your data in a log book in compliance with EN5017. NiCd batteries, fluorescent lights and units need to be disposed of and recycled in line with the regulations. Empty batteries need to be replaced immediately. Leaking NiCd batteries can be harmful to people and the environment.

Lamps should be in good condition for reliable emergency operation

### IMPORTANT

This product should NOT be modified. Any modification may render this product unsafe and will invalidate its safety/approval marks. Philip Payne Ltd. Will not accept responsibility for any damage caused as a result of their modification. Installation of this product should only be carried out by competent person(s). If in any doubt, consult a qualified engineer.

**WARNING:** Ensure mains are fully isolated before servicing; high voltages greatly in excess of mains voltages can be present during operation. Failed lamps should be replaced promptly or the circuit switched off to avoid possible damage to control gear. Continual operation at mains voltages in excess of the rated voltage will reduce lamp and expected gear life, and may contravene any relevant certificate requirements. A copy of our safe use for luminaires guide is available to download from our website.

## Philip Payne Ltd

A SUBSIDIARY OF F.W. THORPE PLC  
Thornhill Road, Lode Lane, Solihull, B91 2HB, England.  
Tel: 0121 705 2384  
Fax: 0121 711 2469  
E-mail: [mail@philippayne.co.uk](mailto:mail@philippayne.co.uk)  
Website: <http://www.philippayne.co.uk/>  
Philip Payne Ltd registered in England No. 1361523



ISO 9001  
FM55077

