

Read these instructions before installation and retain for future reference.
 This equipment should be installed by a competent electrician



Important Information

We recommend that luminaires are installed by a qualified electrician ensuring the installation complies with current IEE wiring regulations BS7671:2018 & local building control.

- BELL will not accept responsibility for any claims arising from a poor installation.
- Always switch off mains supply before installing.
- All tests should be carried out in accordance to EN 50172:2004
- Do not cover with any insulation

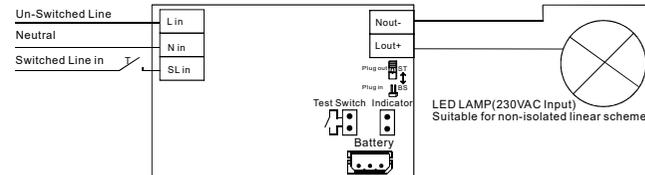
- Rated Supply Voltage: 220-240VAC
- Mains frequency 50/60Hz
- Ambient Temperature: 0-35°C
- Maximum Casing Temperature: 70°C

This product may contain substances that can be hazardous to the environment if not disposed of properly. Electrical and electronic equipment should never be disposed of with general household waste but must be separated for its correct treatment and recovery. Where possible recycle your packaging.



Wiring Diagram

When charging, the maximum load power shall not exceed 50W



Function switching:
 Step 1: According to the diagram, switch the BS/ST function by the plug jumper switch.
 Step 2: Plug out jumper (ST). Self Test
 Step 3: Plug in jumper (BS). Manual Test

Testing/Commissioning (Self Test)

Functionality of the test button

- 1) A short press (>1s) on the button start a function test lasting 5 seconds (The battery's capacity should be more than 5%=charging 30mins)
- 2) Holding down the button(> 10s) resets the timer(System-reset)

Functional test

The 5 second long, each 7 days' function test serves to check the functionality of the emergency unit, the batteries and LED module.

Duration test(Europe)

- First test: After 24 hours of AC mains power input, the emergency lighting unit will enter into a 3-hour duration test.
- Half year duration test: Conduct 3-hour duration test every 180-182 days to check the battery capacity.

Duration test(Australia)

- First time test: After 16 hours of AC mains power input, the emergency lighting unit will enter into a 2-hour duration test.
- Half year duration test: The test will be carried out on each 180-182days to check the capacity of batteries. The 2-hour duration test will be carried out at the first time; 1.5-hour duration test will be carried out in the following duration tests.

Notice:

-A function test&duration test shall only be started when the battery supply is fully charge if a mains supply failure occurs while a function test&duration test is in progress, the test shall be postponed and the system shall enter emergency operation. Following restoration of the mains supply, a postponed duration test shall re-commence automatically when the battery supply is fully re-charge,function test battery≥3V,duration test battery ≥3.55V
 -The indicator will be slow flashing Green for 5 days if the duration test is carried out successfully.

Indicator LED System status is locally by a bi-color indicator LED.

LED Indication	Status	Description
Permanent Green	Standby ,System OK	Mains Operation, battery is charged
Fast flashing Green (0.25s on 0.25s off)	Function test underway	Function test underway
Slow flashing Green (1s on 1s off)	Duration test underway	Duration test underway
Permanent Red	Lamp failure	Open Circuit or Short circuit or LED failure
Fast flashing Red (0.25s on 0.25s off)	Battery capacity failure	Battery failed duration test
Slow flashing Red (1s on 1s off)	Battery fault	Incorrect battery voltage or Short circuit or Open Circuit
Green and Red off	Battery Operation	Emergency mode:Mains disconnected or Mains failure
Slow flashing Red (1s on 3s off)	Battery temperature error	When power on and battery temperature is above 60(±2)°C or below 0(±2) °C

NOTICE
 Fault status:
 If an error is detected, the indicator LED switches to RED. If the error has been corrected please re-connecting the battery after the mains power off, the indicator LED immediately switches back to GREEN when mains power on.

NOTICE
 Battery failed duration test:
 After an exchange of the battery and holding down the button (>10S) reset the timer, the indicator LED switches to GREEN.
 If the battery temperature is above 60(±2°C) or below 0(±2°C), the battery will stop charge

NOTICE:Other matters:

1.After the first power-on, continuous charging for 24 hours to enter the first inspection, if additional operations are carried out during the continuous charging process, the time of entering the first inspection will be deviated.