

EGM2505 3 HOUR EMERGENCY PACK **Emergency Light Conversion Units**

The EGM2505 Unit is primarily used to provide emergency lighting using the following self-ballasted lamps:

246211 / 246204 / 246229 – 4W LED GU10
141401 / 141435 / 141490 – 6W LED GU10 Dimming
141751 / 141469 / 141827 – 7W LED GU10 Dimming
517951 / 517462 / 517839 / 517423 - 12.5W and 20.5W LED Integrated Downlights

The lamps are illuminated at full power when the mains are working. Upon mains failure they work at a reduced emergency power (voltage) from the inbuilt Ni-Cd rechargeable battery.

Maintained – Where the lamp is illuminated at full power until power failure and then switch over to the illuminated by the battery at the reduced power.

This unit can be used as a non-maintained luminaire.

Non-maintained – Where the lamp only needs to illuminate on mains power failure at reduced illumination.

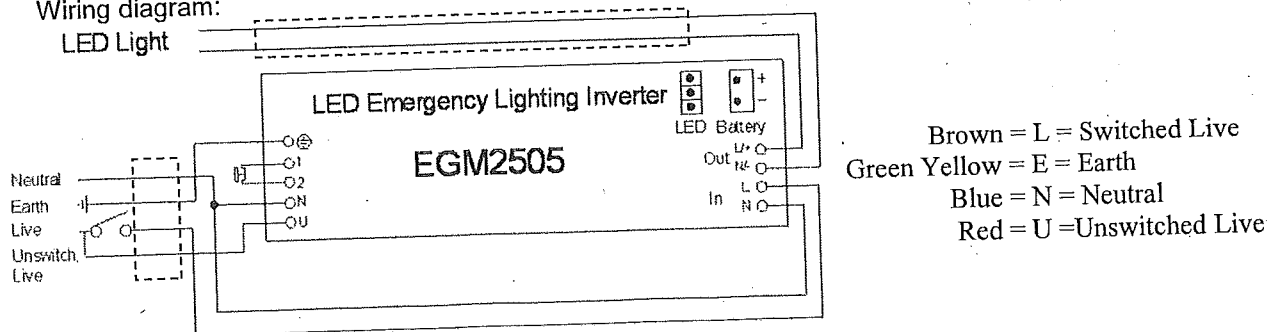
INSTALLATION INSTRUCTIONS

The maintained lamp is controlled by the 'switched supply' input which may be switched on and off to illuminate the lamp(s) at full nominal power. Upon mains failure the lamps will illuminate (powered by the battery) irrespective of whether the switched live input is on or off. The unit requires a permanent supply in maintained mode.

IF YOU REQUIRE NON-MAINTAINED STATUS, CONNECT TO UNSWITCHED PERMANENT SUPPLY
All leads from this unit are clearly marked

1. Mount the unit through the hole vacated by the luminaire to be wired as emergency. The unit will fit through a 55mm diameter aperture, but will require sufficient space above the ceiling to manoeuvre into position. The unit should be sited as close as is practical to the luminaire(s) to which it is connected, observing normal low voltage wiring procedures. It must not be mounted near any heat source or where the ambient temperature normally exceeds 25°C.
2. Switch on the permanent mains supply and check the status indicator illuminates and check the mains health operation of the lamp(s) if they are maintained.
3. Allow the unit to charge for a least one hour before isolating the permanent mains supply to the unit to briefly check the operation of the lamp(s) in the emergency mode. Thereafter allow the unit to charge continuously for 72 hours as a primary commissioning charge before considering the unit to be fully operational to specification.

Wiring diagram:



Note: These units must be connected to a PERMANENT mains supply. Frequent interruptions to the mains supply causing charge/discharge cycling of the batteries can degrade performance and invalidates any warranties. Failed or faulty lamps must be replaced immediately.

LED Indicator

Green - unit operating correctly (charging)

Red - unit discharging

No light - failure (if you have disconnected the LED indicator whilst installing, and the light is Red permanently, you may have reversed its polarity).

DO NOT INSULATION TEST THIS UNIT