RECOMMENDED ROUTINE TEST PROCEDURE

The following test 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 whenever possible, be undertaken at times of least risk, e.g. during daylight hours.

ONCE A DAY

Visual inspection of battery charge LED.

ONCE A MONTH

Each unit should be energised from its battery for about 15 minutes by simulation of a failure of the normal lighting supply to ensure the lamp operates in the emergency condition.

ONCE A YEAR

Each unit should be energised from its battery for the full rated duration. Inspect the fluorescent tube and if the ends are blackened replace. It is recommended that for maintained luminaires, the tubes are replaced at intervals of no more than one year in order to retain the design photometric characteristics.

MAINTAINED
NON-MAINTAINED
EMERGENCY LIGHTING

LUMINAIRE INSTRUCTIONS
AND
TEST PROCEDURES

INSTALLATION

1. Remove the diffuser from the body using the two crosshead screws.
2. Release gear tray by undoing the two screws and hinging the gear tray down.
3. Fix base to wall or ceiling either direct or via conduit box having cleared an access hole in the body for the cable.
4. Wire up the luminaire in accordance with wiring regulations. An unswitched 240V A.C. supply must be connected to the Live (L), Earth (E) and Neutral (N) terminals on the PCB. On Maintained variants continuous illumination is provided when the white link wire is connected. This can be replaced by a simple switch for remote on/off control.
5. Plug battery lead into connector on PCB for emergency versions.
6. Hinge the gear tray back into the base and secure with two screws.
7. Refit diffuser and tighten screws carefully to ensure a good seal.
8. Check operation – restore A.C. supply. On emergency versions check the indicator LED is 'on'. Leave for 30 minutes, remove power and the lamp should illuminate for a few seconds.
9. Restore the A.C. supply and check lamp operates on mains and maintained versions.

EMERGENCY OPERATION

NON-MAINTAINED
Lamp normally off and battery on automatic charge (LED 'on') when the A.C. supply is healthy. Solid state circuitry automatically switches the lamp on when the A.C. supply is interrupted.

MAINTAINED
Emergency lamp is normally on. The battery is on automatic charge (LED 'on'). Lamp will switch on or remain on if A.C. supply is interrupted.

MONITORING
Green indicator lamp (LED) normally continuously 'on'. Indicator goes out if A.C. supply or charger fails.

BATTERY
Sealed Nickel Cadmium rechargeable battery pack.

TEMPERATURE
Performance figures measured at 25 degrees C.

FAULT FINDING AND CORRECTIVE ACTION

MONITORING LED NOT ILLUMINATED
A.C. supply not healthy. Battery not connected. Charger failed.

UNIT NOT MEETING REQUIRED EMERGENCY PERIOD
May need cycling: discharge then recharge for full 24 hours. Retest. Battery pack may need replacing if emergency duration still not met.

LAMP NOT FULLY ILLUMINATED
If tube ends blackened, replace tube. If illumination is hesitant and of a low level, either the battery pack or (less likely) the printed circuit board needs replacing.