

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 LED's operate in the emergency condition.

ONCE A YEAR

Each unit should be energised from its battery for the full rated duration. Inspect the LED's and if any of them have failed the whole unit will need to be replaced. The LED's will probably continue to operate for approximately 10years but batteries will require replacement every five years.

CONCERT EX65 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 normal switched lighting can be provided by connecting a switched live to terminal 'K'.
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 LED's should illuminate for a few seconds.
9. Restore the A.C. supply and check LED's operate on mains and maintained versions.

EMERGENCY OPERATION

NON-MAINTAINED

LED's normally off and battery on automatic charge (green LED 'on') when the A.C. supply is healthy. Solid state circuitry automatically switches the LED's on when the A.C. supply is interrupted.

MAINTAINED

Emergency LED's are normally on. The battery is on automatic charge (green LED 'on'). LED's 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 (GREEN) 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.

LED's NOT ALL FULLY ILLUMINATED

LED's or PCB failed. The printed circuit board needs replacing.