FAULT FINDING

1. Charge indicator LED not illuminated

a) Check the battery is connected to the emergency control unit.

b) A.C. unswitched supply interrupted - restore supply.

c) Battery fault causing charge to shut down (self resetting) - replace the battery and check for correct ambient temperature.

d) Emergency control unit faulty - contact your supplier.

2. Unit not meeting required emergency duration period

a) Unit operating outside temperature limits - check ambient temperature

b) Unit may need cycling discharge - recharge for 24 hours then re-test. If the duration has improved repeat procedure until full duration is achieved, or

c) Battery pack needs replacing - contact your supplier.

3. Lamp not fully illuminated

Output from a lamp decreases with use, so to ensure sufficient light output lamps should be changed at set intervals (not when they fail).

See lamp manufacturers details for nominal lamp life.

4. **No light output at all.**

a) Check charge indicator lamp is lit when A.C unswitched supply is on.

b) Check the lamp.

c) Check the starter (where fitted).

d) Visually check all wiring connections.

e) Check the battery pack using a voltmeter, nominal voltage is shown on the battery label.

EMERGENCY LUMINAIRE INSTRUCTIONS

GENERAL INSTRUCTIONS

Follow these instructions carefully to ensure safe and reliable operation. Retain this leaflet for future reference.

Please contact the supplier if this equipment is to be installed where the room temperature normally exceeds 30°, when the relative humidity normally exceeds 50%, or in environments with unusually high contamination levels.

Throughout this leaflet the following code is used:

LINE (L) - BROWN OR RED
NEUTRAL (N) - BLUE OR BLACK
EARTH ⏚ - GREEN/YELLOW OR BARE CONDUCTOR

For the purpose of the IEC 598 (1990), this fitting is classified as being 'without rest mode'.

LAMP	CELLS	NOMINAL LUMENS
6 WATT	2	90
6 WATT	3	120
8 WATT	2	45
8 WATT	3	125

Luminaire Type/Ref.....Date of Installation.....Location.....

MONTH	TEST	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR	
		SIGNED	DATE	SIGNED	DATE	SIGNED	DATE	SIGNED	DATE	SIGNED	DATE
1	FUNCTIONAL										
2	FUNCTIONAL										
3	FUNCTIONAL										
4	FUNCTIONAL										
5	FUNCTIONAL										
6	1 HOUR										
7	FUNCTIONAL										
8	FUNCTIONAL										
9	FUNCTIONAL										
10	FUNCTIONAL										
11	FUNCTIONAL										
12	3 HOUR										

OPERATION

1. Mains Supply Healthy.
Lamp operates as normal from normal supply that can be switched. Additional unswitched supply charges battery pack (red indicator lamp lit indicating the battery pack is charging).
2. Mains Supply Failure.
Lamp remains on, or comes on, red indicator lamp goes out.

RECOMMENDED ROUTINE TEST PROCEDURE

The following testing 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 wherever possible, be undertaken at time of least risk (eg. during daylight hours).

Normal mains supplies should be present before starting these tests, and any lamps that are showing signs of ageing should be replaced prior to continuing with the test.

To test for correct emergency operation, fail the unswitched mains supply by whichever method is employed eg. key switch or fused spur. The lamp should then be illuminated from the Emergency Control Unit.

Restoring the unswitched supply will restore the luminaire to its previous operational state.

If either test indicates a fault condition, follow the fault finding guide instructions on this sheet.

Once a day
Check LED is illuminated. Switch on Luminaire to check lamp.

Once a month
Each unit should be energised from its battery for about 30 seconds by simulation of a failure of the unswitched supply, to ensure correct functioning.

Twice a year
Each unit should be energised from its battery for a continuous period of at least one hour.

Once Every three years (or at the discretion of the enforcing authority)
All units, with specified durations in excess of one hour, should be energised for their full rated period.

SAFETY

Follow the appropriate national wiring regulations; if in doubt consult a qualified electrician.

Disconnect the mains supply before removing the diffuser or panels prior to carrying out any maintenance or replacements of lamp (s).

This product must not be modified in any way as this will negate any Safety Mark approvals, and may render the product unsafe. The product must be installed in accordance with these instructions.

Suitable for use in ambient temperatures of up to 25°.

This fitting should not be covered with any heat insulating material and the air flow around it should not be restricted. Note any minimum distances to adjacent surfaces.

This unit should be connected into the lighting supply circuit, or should be fused at 5A.

To ensure good electrical contact, terminals must be screwed firmly onto the copper conductors and tinned wire strand cables should be avoided.

INSTALLATION INSTRUCTIONS

1. Remove cover from emergency unit.

2. Connect mains cable which should be maximum 1mm sq. solid core.

The supply for a non-maintained emergency circuit must be unswitched and is connected to L.

The line to the non emergency circuit can be switched and is connected to L1.

If a single unswitched supply is used for both emergency and normal use the Line should be connected via a link between L and L1.

3. Mark the battery pack with date of installation.

4. Connect the battery to the module.

5. Replace the emergency unit cover or diffuser.

For testing purposes a Fused Spur box or Keyswitch should be included in the unswitched supply.

WARNING

Failure to comply with these installation instructions may result in irreparable damage to the emergency control unit.

DO NOT INSULATION TEST the lighting system with the emergency control units installed.