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EM9W NM & M TWIN SPOT

EMERGENCY LIGHTING LUMINAIRE INSTRUCTIONS AND TEST PROCEDURES

PARAMETER

Model no: EM9W NM & M TWIN SPOT.
Name of goods: LED Emergency Twin Spot Light.

TECHNOLOGY PARAMETER:

Rated input supply: AC 240V 50Hz
Rated output power: 2*15PCS LED
Operating Environmental: Temperature:- 10-40°C
Operating relative humidity: Less than 90%
Battery specification: 12V 2.8Ah Ni-Cd
Emergency Duration: More than 3 Hours.
Change over time: Less than 1 second.

MONITORING

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

BATTERY

Ni-Cd rechargeable batteries.

TEMPERATURE

Performance figures measured at 25 degrees C.

Luminaire Type/Ref:

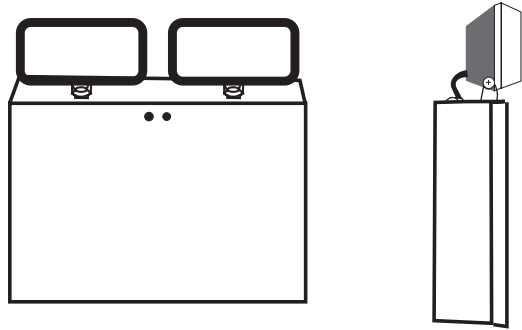
Date of Installation:

Location:

Month	Test	1st year		2nd Year		3rd Year		4th Year		5th year	
		Sign	Date	Sign	Date	Sign	Date	Sign	Date	Sign	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										

INSTALLATION

- 1) Lay fitting on its back and remove front panel.
- 2) Remove and discard packing pieces.
- 3) Fit unit to wall:



- 4) Connect the AC240V to the L.E.N. Terminal block.
- 5) Connect battery.
- 6) Refit front panel.
- 7) Switch on the mains supply, and two green indicator lamps should illuminate indicating that the unit is operational. If these indicators are not on, check connection of the battery and mains and ensure the lamp filaments are intact.

The unit is fitted with deep discharge protection and this will operate when the battery voltage falls to approx 8V.

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 may need replacing if emergency duration is still not met.

LAMP NOT ILLUMINATED

If illumination is hesitant and of a low level, either the battery or (less likely) the printed circuit board needs replacing.

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 30 seconds by simulation of a failure of the normal lighting supply, to ensure the lamp operates in the emergency condition.

TWICE A YEAR

Each unit should be energized from its battery for a continuous period of at least one hour. Inspect the halogen lamps. It is recommended that for luminaires the lamps are replaced at intervals of no more than 1 year in order to retain the design photometric characteristics.

AFTER THREE YEARS & EACH SUBSEQUENT YEAR

All units with specified durations in excess of 1 hour should be energised for their full rating period.