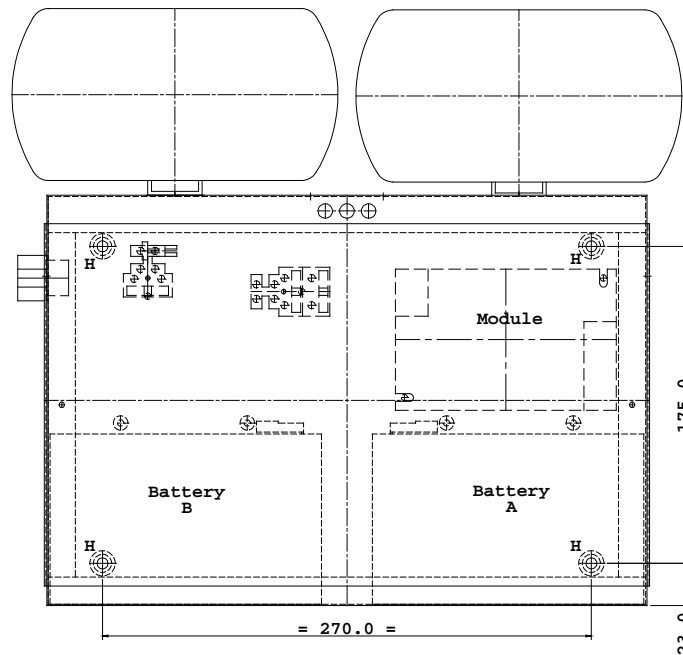




## INSTALLATION INSTRUCTIONS

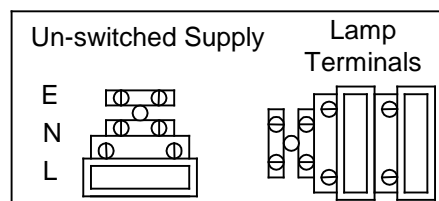
NON-MAINTAINED LUMINAIRES COMPLETE WITH TWIN 12V 20W OR 12V 55W  
TUNGSTEN HALOGEN SPOT LAMPS.

CATALOGUE NUMBERS:      3-hour Versions (NM3) TS220.  
                                     1-hour Versions (NM1) TS255.



## INSTALLATION

- 1) Unscrew the two self-tapping screws to open the front cover.
- 2) Secure the luminaire in its operating position via the 4-fixing holes, provided in the rear face of the luminaire.
- 3) Fit the 2-batteries into the luminaire.
- 4) Connect:  
1-Set of battery spade terminals "A" to battery A.  
1-Set of battery spade terminals "B" to battery B.  
Note: The lamps will not light by simply connecting the battery; the lamps will only operate upon mains failure.
- 5) A battery commissioning label, (located on the inside of the front cover), is provided. This should be signed & dated after commissioning, by the installation engineer.
- 6) Connect the un-switched mains supply cables to the to the luminaire terminals indicated in the diagram below.  
Note: The un-switched supply should be left isolated until installation is complete.



- 7) Secure the front cover using the two self-tapping screws.



## FUSES

Three user serviceable fuses are located within the unit.

1-Off "T" rated (anti-surge) 2A 20mm fuse is used in the Un-switched mains terminal.

2-Off "F" rated (fast blow) fuses are used in the lamp terminals.

3.15A for 20W Lamps.

6.30A for 55W Lamps.

## OPERATION

- 1) To test the correct function of the luminaire, apply the un-switched mains supply.
- 2) The 3-LEDs should be illuminated and the lamps will remain off.  
The Red LED function is to indicate the battery circuit is made and that the batteries are charging.  
The 2-Green LEDs indicate the state of the corresponding lamp circuits, including fuses and filaments.
- 3) Failing the un-switched mains supply will cause the two lamps to illuminate. If the batteries have not been charged for 24 hours previous to testing, the period of illumination may be very short.  
Note: The green LED's extinguish when the lamps are operating.
- 4) Re-connection of the un-switched mains supply will return the luminaire to the condition described in step 2.
- 5) After commissioning, regular testing of the luminaire should be carried out to ensure lamp and battery condition.  
A Test Record sheet is provided with the luminaire, to record the results of the tests.  
The units should be serviced routinely, in accordance with local regulations.

## SPECIFICATIONS

Supply (un-switched): 230 +/- 10%.

Lamps: 2 x 20W or 2 x 55W  
G5 Tungsten Halogen.

Ambient Operating Temperature: 10 – 30°C

Dimensions:  
Length: 335mm  
Height: 230mm (box) + 130mm max (lamps)  
Depth: 75mm (box) + 80mm max (lamps)

Maximum Weight: 8.35 Kg



## WARRANTY

All our electronic products are guaranteed for three years to cover both faulty workmanship and materials. This warranty requires that the product is used within the terms and conditions above, in our literature, in particular and if appropriate it must be used with the correct or an approved battery pack. Items should be carefully checked thermally so that the specified temperatures are not exceeded under any conditions. Batteries supplied are guaranteed for one year, but within the specified temperature have a design life in excess of four years as required by BS EN 60598-2-22. Do not insulation test this product.



Emergency Lighting Inspection and Test Record -BS5266 -1:2005.	Sheet number:
Test types: C = Commissioning test M = Monthly test (see BS EN 50172:2004 / BS 5266-8:2004, 7.2.3) A = Annual test (see BS EN 50172:2004 / BS 5266-8:2004, 7.2.4)	

Date of test	Test type	Result- Test Passed No action needed	Result – Test Failed	
			Need for repair of system notified	Need for safeguarding of Premises notified
	C	Sign below*	Sign below*	Sign below*
	M - 1st			
	M - 2nd			
	M - 3rd			
	M - 4th			
	M - 5th			
	M - 6th			
	M - 7th			
	M - 8th			
	M - 9th			
	M - 10th			
	M - 11th			
	A			
	M - 1st			
	M - 2nd			
	M - 3rd			
	M - 4th			
	M - 5th			
	M - 6th			
	M - 7th			
	M - 8th			
	M - 9th			
	M - 10th			
	M - 11th			
	A			
	M - 1st			
	M - 2nd			
	M - 3rd			
	M - 4th			
	M - 5th			
	M - 6th			
	M - 7th			
	M - 8th			
	M - 9th			
	M - 10th			
	M - 11th			
	A			

\*Sign as applicable

