

Installation & Wiring Instructions MPR/NM3/DA DALI Self-Test Emergency LED for Surface Mounting

PLEASE READ THESE INSTRUCTIONS BEFORE COMMENCING INSTALLATION & LEAVE WITH END USER

Description:

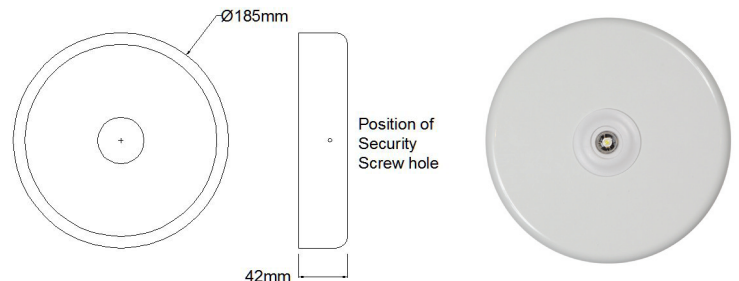
The MPR/NM3/DA is a DALI self-test 3 hour non-maintained emergency luminaire suitable for surface mounting. The LED is driven at 700mA from a 9.6V 1.5Ah lithium iron phosphate (LiFePO₄) battery that provides a high output to the LED emitter in emergency conditions.

The kit is supplied with one of a choice of differing LED emitters which offer varying outputs and arcs of illumination. Please contact the Liteplan sales office for Idt files.

The product will commission and test itself in accordance with the requirements of the British Standards, reporting back to the DALI operating system. The product will revert to standalone self-test if not connected to a DALI operating system. This unit will recharge the batteries after the test clause of 22.3 of BS EN 61347-2-7:2012.

Specification:

Input Voltage	230-240 Volts AC 50/60 Hz
Input Current & PF	16mA - $\lambda = 0.48$
Duration	3 hours
Ambient Temp.	0°C to + 25°C
Max Battery Temperature	55°C
Mains Input Terminal	0.75mm - 2.5mm
Recharge Period	24 Hours
Battery Discharge Current	400mA \pm 50mA
Discharge Voltage Limit (DDP)	8.0V
Ingress Protection	IP20
Battery Pack	9.6V 1.5Ah LiFePO ₄
Charge Current	0-150mA Float
Diameter	185mm
Depth	42mm
Cable Entry	20mm Centre Rear
Overall Weight	1.1Kg
Beam Angle (OA)	110°
Beam Angle (CO)	50° x 125°



Order codes with lumen level and bezel colour

Open Area:

MPR/OA/NM3/DA/W 207 lumen - RAL 9016

MPR/OA/NM3/DA/B 207 lumen - RAL 9005

Corridor:

MPR/CO/NM3/DA/W 197 lumen - RAL 9016

MPR/CO/NM3/DA/B 197 lumen - RAL 9005

Important

It is recommended that this product is installed by a competent person ensuring the installation complies with the necessary standards. Liteplan accept no responsibility for injury, damage or loss, which may arise as a result of incorrect installation, operation or maintenance.

The product requires an un-switched supply for charging the battery and a switched supply for intermittent maintained operation.

ISOLATE MAINS SUPPLIES AND DISCONNECT THE BATTERY BEFORE INSTALLATION OR MAINTENANCE.

Installation:

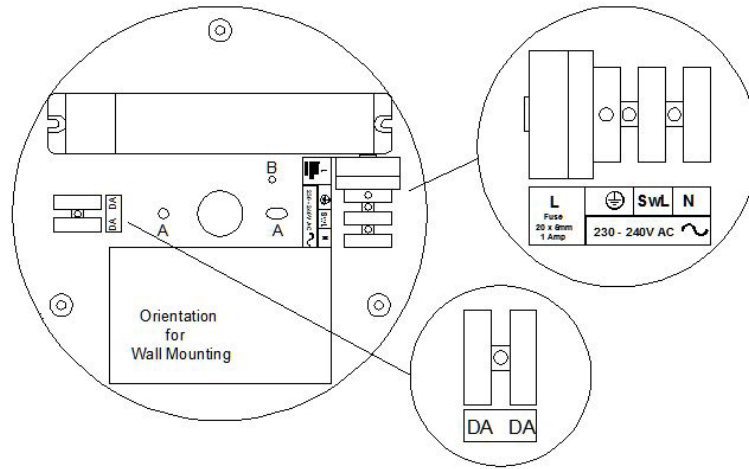
1. Twist the cover off and mount the luminaire to either the ceiling or wall, using fixing points A. For wall mounting ensure the battery is at the bottom of the luminaire.
2. Connect the mains supply as per wiring diagram shown on Pg. 2
3. For Non-Maintained operation, do not connect to the Switched Live terminal.
4. Fit the mains cable retainer using fixing point B.
5. Connect the battery.
6. Refit the cover ensuring no cables are trapped.
7. Fit the security screw in the lid as shown above.
8. When mounting the MPR/CO, please ensure that the lens is aligned along the corridor correctly. The longer part of the lens should follow the orientation of the corridor.

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Typical Wiring
Diagram



Device Status Indicator:

Green Solid		Battery connected & charging	Red Solid		Emergency LED Fault
Green Fast Flash	0.1 sec On, 0.1 sec Off	Function Test in progress	Red Fast Flash	0.1 sec On, 0.1 sec Off	LED Driver Fault
Green Slow Flash	1.0 sec On, 1.0 sec Off	Duration Test in progress	Red Slow Flash	1.0 sec On, 1.0 sec Off	Battery Fault
Green Very Slow Flash	4.0 sec On, 1.0 sec Off	Automatic Duration Test Passed in last 7 days	Red & Green Off		In Emergency Mode

Luminaire Ref/Location			In case of difficulty, contact the Installation Engineers:- Tel: _____							
Full Recharge Time 24 Hours			Duration 3 Hours				Lamp Type - LED			
ROUTINE TEST RECORD										
	Year 1		Year 2		Year 3		Year 4		Year 5	
Monthly Test	Signed	Date	Signed	Date	Signed	Date	Signed	Date	Signed	Date
Functional										
Functional										
Functional										
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Functional										
Three Hour										

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