INSTALLATION & MAINTENANCE MANUAL

BATM2 / BATM4 / BATM5 / BATM6 / MODEMKIT / MODMWS

GENERAL INSTRUCTIONS

These instructions should be read carefully and retained after installation by the end user for future reference and maintenance.
These instructions should be used to aid installation of the following products:
BATM2 / BATM4 / BATM5 / BATM6 / MODEMKIT / MODMWS

SAFETY

- This product must be installed in accordance with the latest edition of the IEE Wiring Regulations (BS7671) and current Building Regulations. If in any doubt, consult a qualified electrician
- Please isolate mains prior to installation or maintenance
- Check the total load on the circuit (including when this luminaire is fitted) does not exceed the rating of the circuit cable, fuse or circuit breaker
- Please note the IP (Ingress Protection) rating of this product when deciding the location for installation
- Do not overload this accessory or subject it to conditions outside its rating
- This product is for indoor use only
- This product is Class I and must be earthed
- This product is IP20 rated

INSTALLATION

Note - Microwave sensors may not be suitable for all installations, for example enclosed spaces, as they are able to detect movement through non-metallic surfaces like plasterboard and thin doors.

- Provide power to the required point of installation
- Squeeze the sides and hinge the diffuser away from the fitting (see Fig. 1)

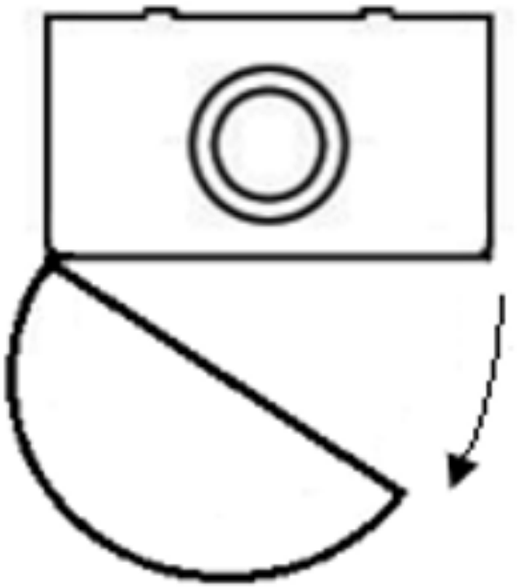


Fig. 1

- Mark the location of the fixing holes and drill the holes ensuring not to infringe with any gas/water pipes or electrical cables. The fitting can also be mounted over conduit boxes: for distance between fixing centres please see below:

Product Code	Distance (mm)
BATM2	415
BATM4	600
BATM5	600
BATM6	600

- Fix the base to a suitable solid surface using the screws provided.
- Ensuring correct polarity is observed, carefully wire as shown in Fig. 2
- Connect to the mains supply ensuring the correct polarity is observed: L – Live, L1 – Emergency Live (brown), E – Earth (green/yellow), N – Neutral (blue) (see Fig. 2). Two cables can be inserted into the push-fit terminal block in order to achieve loop-in/loop out wiring

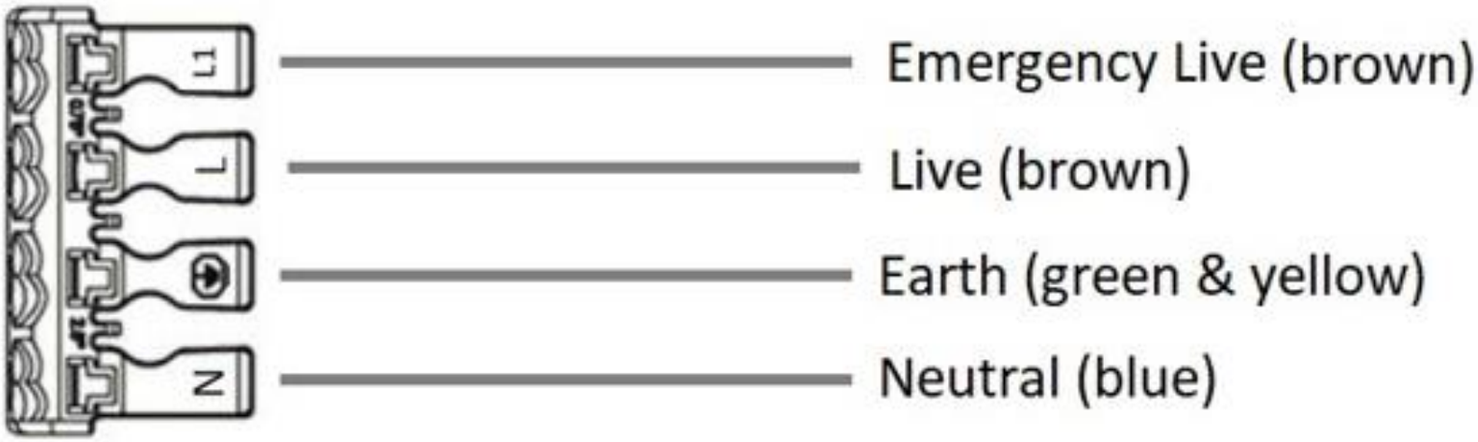


Fig. 2

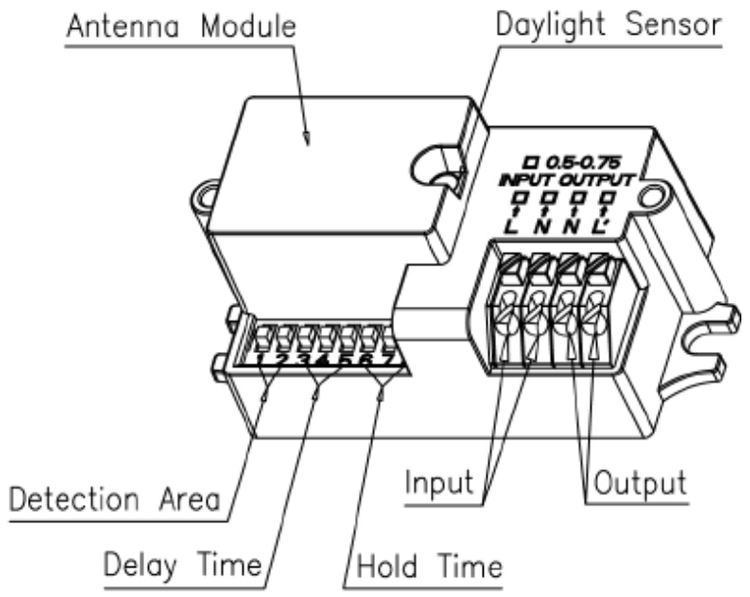
MODEMKIT

- Install by using the clips to secure them in place
- Luminaire with emergency mode and no sensor connected, connect the connectors labelled **A** from the terminal block to **A(EM)** from the emergency module, connector labelled **B** from the driver to **B(EM)** emergency module, connector labelled **C(LED)** from emergency module to **C** LEDs and connectors labelled **(DLED)** from emergency module to **D** LEDs
- Ensure that the battery is connected by opening the emergency module pack and the battery connector on the PCB

MODMWS

- Install by using the clips to secure them in place
- Luminaire with no emergency mode and sensor connected, connect the connectors labelled **A** from the terminal block to **A(S)** from the sensor and connector labelled **B** from the driver to **B(S)** from sensor

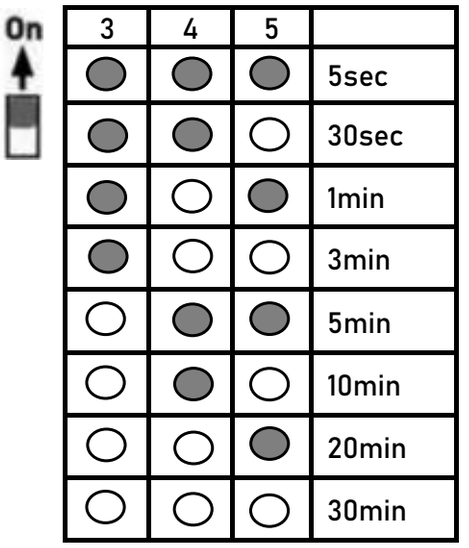
LAYOUT



DIP SWITCH SETTINGS

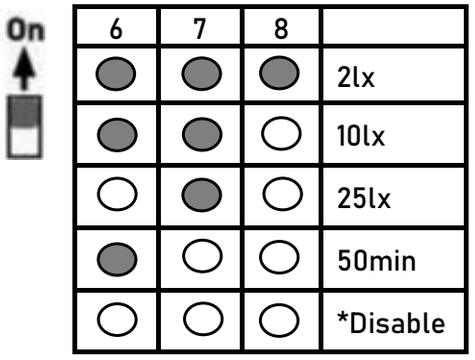
Detection area

Hold Time



This is the time period the lamp remains at 100% after no motion is dectected

Daylight Sensor



When set to Disable, the daylight sensor will switch the lamp on when motion is detected regardless of the ambient light level

MODEMKIT & MODMWS

- Install the MODEMKIT and MODMWS by using the clips to secure them in place
- Luminaire with emergency mode and sensor connected, connect the connectors labelled **A** from the terminal block to **A(EM)** from the emergency module, connector labelled **A(S)** from sensor to connector labelled **B(EM)** from emergency module, connector labelled **B** from the driver to **B(S)** from sensor, connector labelled **C(LED)** from emergency module to **C** LEDs and connectors labelled **D(LED)** from emergency module to **D** LEDs
- Ensure that the battery is connected which is within the emergency module and the battery connector on the PCB

NOTE: The MODEMKIT and MODMWS are sold separately

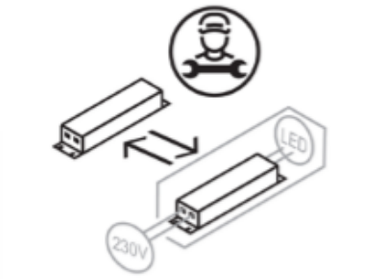
- Refasten the cover
- Switch on and check for correct operation
- Switch on and check for correct operation ensuring the green indicator LED is illuminated
- We recommend, on commissioning the installation, a minimum charge period of 24 hours before carrying out an emergency duration test
- The test button can be used to simulate a power failure to test the lamp and battery operation. This can be used to carry out monthly functional testing providing the battery holds at least a small charge

WARNING

This product must be disconnected from the circuit if subjected to any high voltage or insulation resistance testing. Irreparable damage will occur if this instruction is not followed.

GENERAL

This product contains a light source of energy efficiency class D to Regulation (EU) No. 2019/2015 and (UK) 2021 No. 1095.
This product contains a non-replaceable LED light source and a control gear which can be replaced by a professional.



Clean with a soft dry cloth only, do not use aggressive cleaning products or solvents which may damage the product.
Installing in areas where the temperature consistently drops below 0°C may shorten the battery life.
This product is non-dimmable.
This product should be dismantled for disposal when it reaches the end of its life. Please see website for dismantling instructions.
This product should be recycled in the correct manner when it reaches the end of its life. Check local authorities for where facilities exist.
The batteries in the MODEMKIT are Lithium Ion and must be disposed of correctly. Please contact the local authorities for the disposal of this toxic waste.

WARRANTY

This product has a warranty of 5 years (including battery) from date of purchase. Failure to install this product in accordance with the current edition of the IEE Wiring Regulations (BS7671), improper use, or removal of the batch code will invalidate the warranty. If this product should fail within its warranty period, it should be returned to the place of purchase for a free of charge replacement. ML Accessories does not accept responsibility for any installation costs associated with the replacement product. Your statutory rights are not affected. ML Accessories reserve the right to alter product specification without prior notice.

TESTING FOR EMERGENCY LUMINAIRES

Recommended routine test procedure in accordance with BS5266:

- Daily check – check LED charge indicator is illuminated
- Monthly functional test - simulate a mains supply failure for approx. 30 seconds by operation of key switch or switching off circuit breaker. Ensure normal supply is restored after test and ensure charge indicator is illuminated
- Annual 3-hour duration test - simulate a mains supply failure for 3-hour continuous test by operation of key switch or switching off circuit breaker. Ensure normal supply is restored after test and ensure charge indicator is illuminated
- If the luminaire fails any of the above tests, please contact a qualified electrician. See below for test record sheet

TEST RECORD SHEET

INITIAL COMMISSIONING 3 HOUR TEST	SIGNED	DATE

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	FUNCTIONAL										
7	FUNCTIONAL										
8	FUNCTIONAL										
9	FUNCTIONAL										
10	FUNCTIONAL										
11	FUNCTIONAL										
12	3 HOUR										

Installed by: Installation date:

Contact number:

Knightsbridge

Manufacturers Declaration of Conformity
For ML Accessories (Knightsbridge)
Electrical products in accordance with UKCA marking

ML Accessories Ltd. declare that all products have been designed, manufactured, and tested in accordance with the requirements of the relevant legislation

UKCA marking legislation

UK SI 2016 No. 1091	Electro Magnetic Compatibility Regulations 2016
UK SI 2016 No. 1101	The Electrical Equipment (Safety) Regulations 2016
UK SI 2012 No. 3032	Restriction of the use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012
UK SI 2017 No. 1206	Radio Equipment regulations 2017
UK SI 2021 No. 1095	The Ecodesign for Energy-Related Products and Energy Information (Lighting Products) Regulations 2021

Included Legislation

UK SI 2008 No. 2852	UK REACH
UK SI 2013 No. 3113	WEEE

Safety Standards

Full individual declarations and specific safety standards applicable to relevant product series can be found on our website **www.mlaccessories.co.uk**

We hereby declare that the equipment named above has been designed to comply with the relevant sections of the above referenced specifications. The products comply with all essential requirements of the directives.

Catherine Connolly
CEO

Lee Saunders
Technical Assessment & Compliance Manager

UKCA

ML Accessories Ltd. Unit E Chiltern Park, Boscombe Road, Dunstable. Bedfordshire, LU5 4LT

This declaration becomes invalid if technical or operational modifications are introduced without ML Accessories Ltd. written consent.

Knightsbridge

Manufacturers Declaration of Conformity
For ML Accessories (Knightsbridge)
Electrical products in accordance with CE marking

ML Accessories Ltd. Declare that all products have been designed, manufactured, and tested in accordance with the requirements of the relevant legislation

CE marking legislation

In Accordance with the following Directives:

2014/35/EU	Low Voltage Directive
2014/30/EU	EMC Directive
2014/53/EU	Radio Equipment Directive

Including Legislation

1907/2006	REACH
2015/863	RoHS
2021/341	ERP

Safety Standards
Full individual declarations and specific safety standards applicable to relevant product series can be found on our website **www.mlaccessories.co.uk**

We hereby declare that the equipment named above has been designed to comply with the relevant sections of the above referenced specifications. The product complies with all essential requirements of the directives.

Catherine Connolly
CEO

Lee Saunders
Technical Assessment & Compliance Manager

CE

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SUPPLIED BY:

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MADE IN CHINA

JBAPR24_V1