



INSTALLATION & MAINTENANCE MANUAL

BATS5EMS / BATS6EMS

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:
BATS5EMS / BATS6EMS**

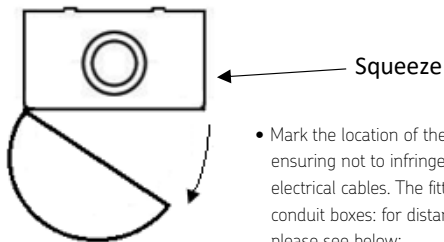
SAFETY

- 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 luminaire when deciding the location for installation
- This product is Class I and must be earthed
- This product series 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 (refer to BS7671 for correct cabling methods)
- Squeeze the sides and hinge the diffuser away from the fitting (see 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:

Fig. 1

Part Code	Distance (mm)
BATS5EMS	600
BATS6EMS	600

- Ensuring correct polarity is observed, carefully wire as shown in Fig. 2. Two cables can be inserted into the push-fit terminal block in order to achieve loop-in / loop-out wiring

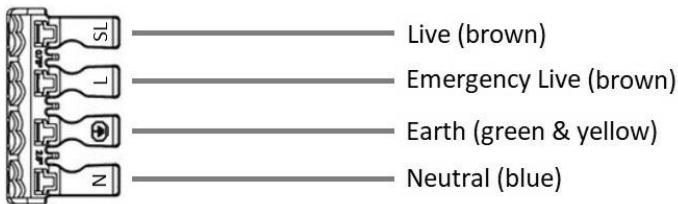
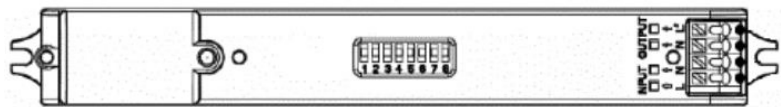


Fig. 2

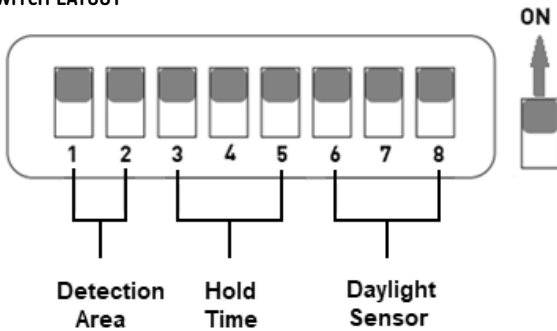
- Connect the battery to the inverter
- Switch on and check for correct operation ensuring that the green LED indicator is illuminated
- We recommend, on commissioning the installation, a minimum charge period of 24 hours before carrying out an emergency duration test

Note - This fitting shuts off power to the Lithium Ion battery periodically to prevent overcharging. Therefore, the green LED indicator has been set up to indicate that the emergency inverter is in good condition, not to indicate that the battery is charging. The installer must ensure that the battery is connected.

SENSOR LAYOUT












DIP SWITCH LAYOUT






















DIP SWITCH SETTINGS

Detection Area

On 	1	2	
			100%
			75%
			50%
			25%

















Detection area can be adjusted by the combination of the DIP switches

Hold Time

On 	3	4	5	
				5s
				30s
				90s
				3min
				20min
				30min

This is the time period the luminaire remains at 100% after no motion is detected

Daylight Sensor

On 	6	7	8	
				2lux
				10lux
				25lux
				50lux
				Disable

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

WARNING

This luminaire 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

The LED lamps fitted in this product are non-replaceable. The unit 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 this luminaire are Lithium Ion and must be disposed of correctly. Please contact the local authorities for the disposal of this toxic waste.

Clean with a soft dry cloth only, do not use aggressive cleaning products or solvents which may damage the product.

This product is non-dimmable.

WARRANTY

This product has a warranty of 5 years (excluding 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 a key switch or switching off the circuit breaker. Ensure normal supply is restored after test and ensure charge indicator is illuminated
- Annual three-hour duration test - simulate a mains supply failure for three-hour continuous test by operation of a key switch or switching off the 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			
		FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR	
MONTH	TEST	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:



ML
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