



INSTALLATION & MAINTENANCE MANUAL

**BATSCWMST4 / BATSCWMST5 /
BATSCWMST6**

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:
BATSCWMST4 / BATSCWMST5 / BATSCWMST6**

- 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
- 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)

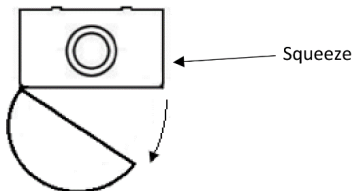


Fig. 1

- 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 – the distance between fixing centres is 600mm
- Feed the mains cable through the cable entry point, and secure the luminaire to the surface
- 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
- Select the desired driver output and colour temperature (see Fig. 3)

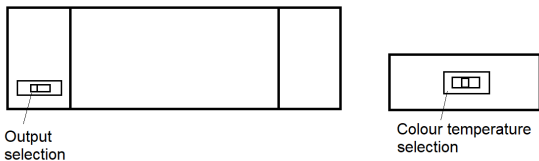
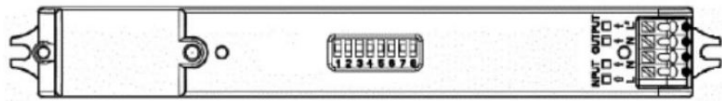


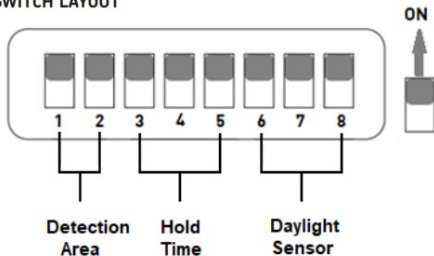
Fig. 3

- Select the required sensor settings (see below)
- Switch on and check for correct operation ensuring the green indicator LED is illuminated
- See below for operation of the self-test function
- We recommend, on commissioning the installation, a minimum charge period of 24 hours before carrying out an emergency duration test

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

SELF-TEST FUNCTION

When first connected to the mains supply, the fitting will carry out an initial 3-second function test. Any faults will be indicated by the bi-colour LED indicator.

This product is programmed to carry out its own self-test operation according to the following programme:

Every 30 days	10-second function test
Every 180 days	3-hour duration test

The test button on the side of the fitting can also be used to initiate functional testing as required – the luminaire will go into emergency mode while the test button is held in.

Following self-tests, the unit will revert to charging mode, and any faults will be indicated by the bi-colour LED indicator as follows:

LED indicator	Status
Slow flash green (3 sec on, 1 sec off)	Charging
Solid green	Fully charged
Fast flash green (0.1 sec on, 0.1 sec off)	Function test underway
Slow flash green (1 sec on, 1 sec off)	Duration test underway
Solid red	Lamp fault (open circuit / short circuit)
Slow flash red (1 sec on, 1 sec off)	Battery fault or failed duration test
Indicator off	Emergency mode

To clear a fault indication, switch off the power to the luminaire and then hold the test button for 10 seconds.

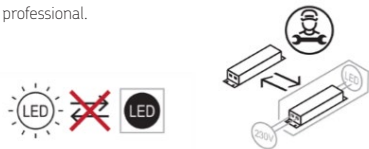
WARNING

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 this luminaire 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 (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.

TEST RECORD

Recommended routine test procedure in accordance with BS5266:

- Daily check – check status of bi-colour LED indicator
- Monthly functional test – the luminaire will perform this function without any action from the user. Alternatively, simulate a mains supply failure for approx. 30 seconds by operation of key switch, switching off circuit breaker or using test button. Ensure normal supply is restored after test and check status of bi-colour LED indicator
- 3-hour duration test – the luminaire will perform this function without any action from the user. Alternatively, 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 check status of bi-colour LED indicator
- If the luminaire fails any of the above tests, please contact a qualified electrician. Results should be recorded, even when obtained via the self-test function. 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:

Supplied By:

(UK) Manufacturer

ML Accessories Ltd, Unit E Chiltern Park, Boscombe Road, Dunstable LU5 4LT,
www.mlaccessories.co.uk

(EU) Authorised Representative

nnuks Holding GmbH, Niederkasseler Lohweg 18,
40547 Düsseldorf, Germany,
Email: eprel@nnuks.com

