



INSTALLATION & MAINTENANCE MANUAL

TNXQUADMWSTW/ TNXQUADMWSTBK
TNXONEMWSTW/ TNXONEMWSTBK

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:

TNXQUADMWSTW / TNXQUADMWSTBK / TNXONEMWSTW / TNXONEMWSTBK

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
- This product is Class II double insulated
- This product is IP65 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). Suitable IP rated junction boxes should be used where required
- Remove the diffuser from the luminaire housing by unscrewing the four screws
- Drill the fixing holes in the rear of the fitting. Mark the location of the fixing holes and drill ensuring not to infringe with any gas/water pipes or electrical cables
- Feed the mains cable through the rubber grommet to retain IP rating, and secure the base to the surface using the plugs and screws provided

- Ensuring correct polarity is observed, carefully wire as shown in Fig. 1. Two cables can be inserted into the push-fit terminal block in order to achieve loop-in/loop-out wiring. The earth terminal is non-functional and only provided for convenience

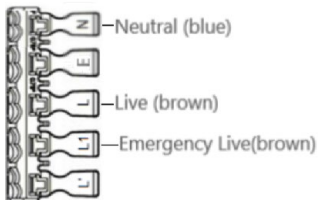


Fig. 1

- The additional terminal L' is the Slave Live, which enables the sensor to power on additional luminaires. A max. 400W LED load can be controlled by the sensor
- Connect the battery to the inverter
- Choose the required driver output and colour temperature via the switches on the driver (see Fig. 2)

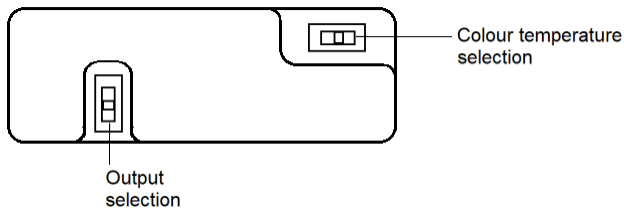


Fig. 2

- Attach the LED plate to the luminaire body by aligning the four butterfly screws on the body with the corresponding holes on the plate then turn clockwise to lock into place (see Fig. 3)

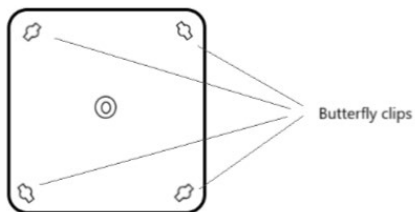
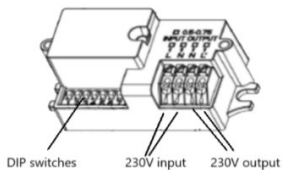
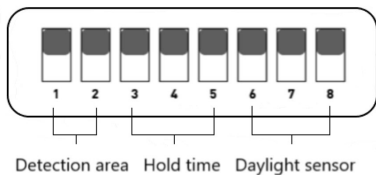


Fig. 3

SENSOR LAYOUT




DIP SWITCH LAYOUT




DIP SWITCH SETTINGS


Detection area

ON ↑ 	1	2	
ON	ON		100%
ON	-		75%
-	ON		50%
-	-		25%

Daylight sensor

ON ↑ 	7	8	9	
ON	ON	ON		2Lux
ON	ON	-		10Lux
-	ON	-		25Lux
ON	-	-		50Lux
-	-	-		Disable*

Hold time

ON ↑ 	3	4	5	
ON	ON	ON		5S
ON	ON	-		30S
ON	-	ON		1min
ON	-	-		3min
-	ON	ON		5min
-	ON	-		10min
-	-	ON		20min
-	-	-		30min

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

- Re-attach the diffuser to the luminaire body using the four screws
- 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

SELF-TEST FUNCTION

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

24 hours after first power on	3-hour initial duration test
then every 28 days	30-second function test
and every 52 weeks	3-hour duration test

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
Solid green	Normal conditions, battery is charged / charging
Slow flash green (1 sec on, 1 sec off)	Self-test (function or duration test) underway
Solid red	Battery fault
Slow flash red (1 sec on, 1 sec off)	Lamp fault
Fast flash red (0.25 sec on, 0.25 sec off)	Failed duration test

To clear a fault indication, disconnect and reconnect the mains supply once the fault has been rectified.

To reset the self-test timing schedule, disconnect and reconnect the battery - disconnecting and reconnecting the mains supply does not reset the timing schedule.

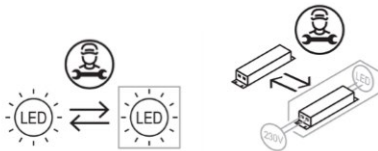
WARNING

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 an LED light source which can be replaced by a professional 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.

Do not use any source of high-pressure washers to maintain or clean this luminaire.

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 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 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, or switching off circuit breaker. Ensure normal supply is restored after test and check status of bi-colour LED indicator
- Annual 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



SUPPLIED BY:

(UK) MANUFACTURER
ML ACCESSORIES LTD,
UNIT E CHILTERN PARK,
BOSCOMBE ROAD, DUNSTABLE
LU5 4LT,
WWW.MLACCESSORIES.CO.UK

(EU) AUTHORISED REPRESENTATIVE
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52531 ÜBACH-PALENBERG, GERMANY
EMAIL: EPREL@GROUP.SLV.COM

MADE IN CHINA

AKDEC22_V1



**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.

A handwritten signature in black ink, appearing to read 'Scott Brewer'.

Scott Brewer
Head of Technical

A handwritten signature in black ink, appearing to read 'Catherine Connolly'.

Catherine Connolly
CEO



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.



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

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Scott Brewer
Technical Manager

A handwritten signature in black ink, appearing to read 'Catherine Connolly'.

Catherine Connolly
CEO



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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: