



INSTALLATION & MAINTENANCE MANUAL

LWBMIC

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 product:
LWBMIC**

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 product 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 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.

This product is designed for use with the LWB range of luminaires

- Remove a 20mm knockout from one end of the luminaire. If using the emergency kit LWBEMKIT, it is recommended that the sensor be installed on the opposite end of the fitting in order not to obscure the emergency LED indicator
- Feed the mains cable through the knockout and secure using the lockring provided
- Ensuring correct polarity is observed, carefully wire as shown in Fig. 1, using the three 2-pole clamp connectors provided

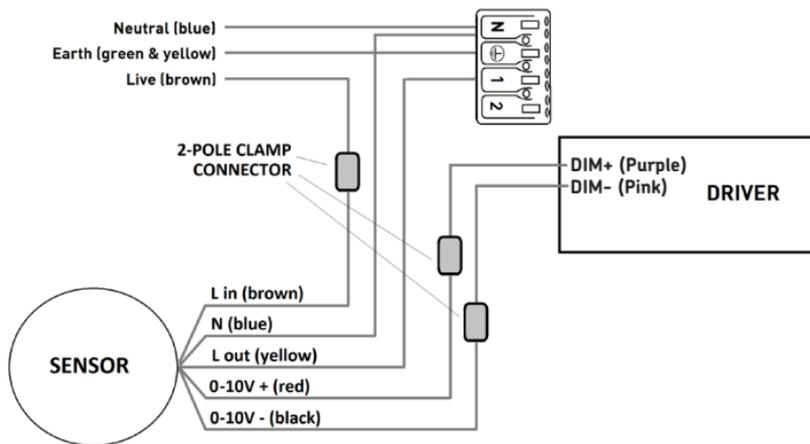


Fig. 1

- This product is compatible with the emergency kit LWBEMKIT, but is not compatible with an external 0-10V dimmer
- See below for microwave sensor settings
- Switch on and check for correct operation

SENSOR SET-UP

Detection Range

Detection range can be reduced by selecting the DIP switch layout below

	1	DETECTION RANGE
	On	100%
	-	50%

Hold Time

This is the time that the luminaire will remain at 100% brightness after no motion is detected

	2	3	4	HOLD TIME
	On	On	On	5 sec
	-	On	On	30 sec
	On	On	-	1 min
	-	-	On	5 min
	-	On	-	10 min
	On	-	-	20 min
-	-	-	30 min	

Daylight Sensor

This is the ambient light level at which the luminaire is required to operate. If set to "DISABLE", the luminaire will operate when motion is detected regardless of the ambient light level

	5	6	7	DAYLIGHT SENSOR
	On	On	On	Disable
	-	On	On	120 lux
	On	On	-	80 lux
	-	-	On	50 lux
	-	On	-	30 lux
	On	-	-	10 lux
	-	-	-	2 lux

Standby Period

This is the time that the luminaire will remain at the "standby dimming level" in the absence of movement. If set to "DISABLE", the low light level will be maintained until motion is detected

	8	9	10	STANDBY PERIOD
	On	On	On	0 sec
	-	On	On	10 sec
	On	On	-	30 sec
	-	-	On	1 min
	-	On	-	5 min
	On	-	-	30 min
	-	-	-	+∞

Standby Dimming Level

This refers to the light level required during the “standby period”

	11	12	STANDBY DIMMING LEVEL
	On	On	10%
	On	-	20%
	-	On	30%
	-	-	50%

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 should be recycled in the correct manner when it reaches the end of its life. Check local authorities for where facilities exist.

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

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.

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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**230V
50Hz**



IP65

ML
ACCESSORIES LTD



**UK
CA**



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DCJUL22_V3



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.

Scott Brewer
Head of Technical

Catherine Connolly
CEO



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



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

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Scott Brewer
Technical Manager

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CEO



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