

INSTALLATION INSTRUCTIONS

External Microwave Sensor
Product Codes: MSLEDEXT

Safety Warning



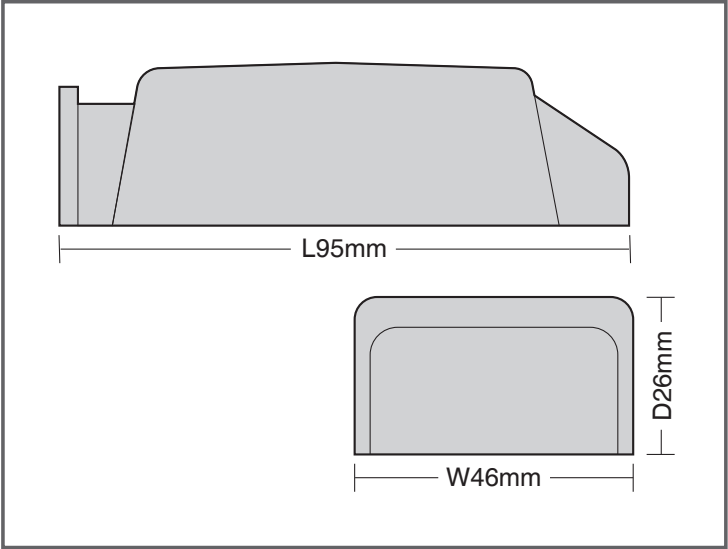
- The installation should be carried out by a qualified electrician in compliance with the current edition of the IEE Wiring Regulations.
- Prior to installation, carry out the necessary risk assessment considering the people who could be at risk, the level of risk and the precautions required to control the risk
- Ensure that the circuit supply is isolated either by the circuit supply fuse being removed or the applicable circuit breaker being turned off before installation or any maintenance.
- Check the total load on the circuit ensuring the luminaire does not exceed the rating of the circuit cable, fuse or circuit breaker.
- Long-term use and voltage fluctuations can reduce the life span of the fitting.
- If the fitting incorporates control gear, ensure careful sizing to avoid instances of nuisance tripping of the protective device used in the installation.
- Follow the provided installation instructions, using the fixings supplied or recommended.
- Keep out of reach of children.



Specification

Box Contents -
 1 x Microwave Sensor

Dimensions:	L: 95 x W:46 x D:26mm
Material:	Polycarbonate
IP Rating:	IP20
Working Temperature:	-20°C - 60°C
Guarantee:	3 Years



Installation Instructions

Wiring

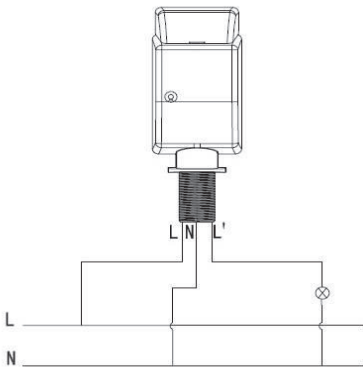
The sensor is designed for installation at 1~6m in height.

Suggested mounting height:

1~1.8m (Wall mounting)

2.5~6m (Ceiling mounting)

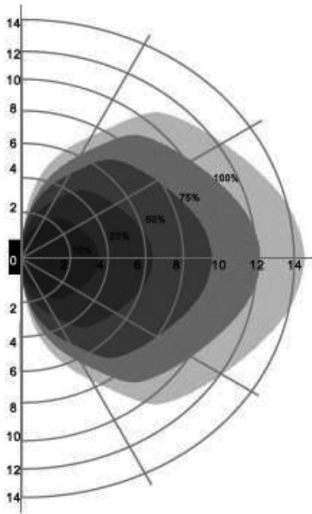
Note: L(BLACK) , N(BLUE) ,L'(BROWN)



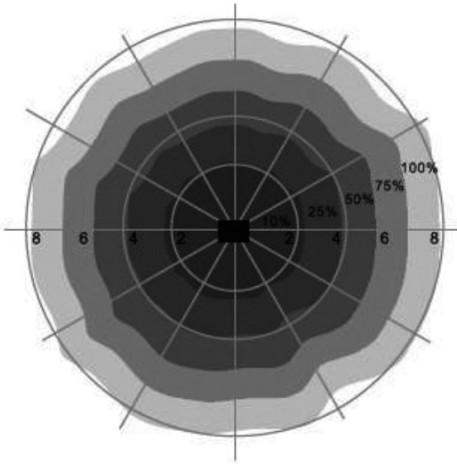
100H burn-in mode for fluorescent lamps

With simple operation, rapidly turn on/off the power 4 times within 4 seconds. Lamps will be 100% on for 100 hours and then automatically revert to sensor mode. This is crucial to secure the lifetime of fluorescent lamps when a new fixture is installed or an old lamp is replaced. This 100H burn-in feature can be cancelled by turning off the power.

Detection Pattern



Wall mounting pattern (Unit: m)
Suggested mounting height: 1-1.8m



Ceiling mounting pattern (Unit: m)
Suggested mounting height: 2.5-6m

Settings

Detection area, hold time and daylight sensor can be set using DIP switches on the sensor. Note that reducing the detection area will also reduce the sensitivity.

SENSITIVITY)))

1	2	3	
ON	ON	ON	100%
-	ON	ON	75%
ON	-	ON	50%
-	-	ON	25%
-	-	-	10%

1. **Sensitivity**
Refers to the typical detection range sensitivity. 100% being most sensitive.
I: 100% - Up to 8m
II: 75% - Up to 6m
III: 50% - Up to 4m
IV: 25% - Up to 3m
V: 10% - Up to 2m

ON TIME ⏰

1	2	3	
ON	ON	ON	5s
-	ON	ON	3 min
ON	-	ON	5 min
-	-	ON	10 min
ON	ON	-	20 min
-	-	-	30 min

2. **On Time**
Refers to the time period the lamp remains at 100% illumination after no motion detected. I: 5s
II: 3 min
III: 5 min
IV: 10 min
V: 20 min
VI: 30 min

LIGHT SENSOR ☉

1	2	3	
ON	ON	ON	Disable
ON	ON	-	Max
-	ON	-	II
ON	-	-	I
-	-	-	Min

2. **Light Sensor**
Disable*
Max - 50 lux, twilight operation
II - 30 lux, twilight operation
I - 10 lux, darkness operation only
Min - 5 lux, darkness operation only
*When set to Disable the daylight sensor will switch on the lamp when motion is detected regardless of ambient light levels.

Fault Finding & Corrective Action

- Fault** - The load will not illuminate - Incorrect daylight sensor setting selected.
Action - Adjust setting.
- Fault** - The load will not illuminate - Load has failed.
Action - Replace load.
- Fault** - The load will not illuminate - Power is switched off.
Action - Switch on.
- Fault** - The load is permanently illuminated - Continuous movement in the detection area.
Action - Check detection area setting.
- Fault** - The load is permanently illuminated - The lamp (containing sensor) is installed in an area too close to reflective surfaces, ie metal, glass or concrete walls.
Action - 1. Make sure installation area suitable with at least 30cm space between lamp and surrounding reflective surfaces.
2. Reduce sensitivity (detection area).
- Fault** - The load will not illuminate despite movement - speed of moving object is not in the range of 0.5-3m/s. or the detection radius is too small.
Action - Check detection area setting.

Guarantee

This product is guaranteed for a period of 3 years from the date of purchase. The guarantee is invalid in the case of improper use, tampering, removal of the Q.C. date label, installation in an improper working environment or installation not according to the current edition of the I.E.E. Wiring Regulations (BS7671). The guarantee is also invalidated if the luminaire has been insulation tested. Should this product fail during the guarantee period it will be replaced free of charge, subject to correct installation and return of the faulty unit. We do not accept responsibility for any installation costs associated with the replacement of this product. Your statutory rights are not affected. We reserve the right to alter specifications without prior notice.

Maintenance

- This fitting will require routine cleaning if used in adverse (dust, paint, welding, oils etc) environments. Do not use solvents, aggressive detergents or abrasives.
- When this fitting comes to the end of its life or you choose to replace it, please do not dispose of it with your normal waste. Please recycle where the facilities exist, check with your local authority for suitable options.

INS/ACCESSORIES/0004/MSLEDEXT/V1