

# TIME LED<sup>®</sup>

## Elan Range: White LED 14.5W Round Bulkhead with Microwave Sensor

Installation and Operating Instructions



Read and follow instructions before operating your light.  
Save this manual for future reference.

Package includes:

- 1 x White LED 14.5W Round Bulkhead with Microwave Sensor
- 1 x Manual

### Safety:

- This bulkhead must be earthed.
- Before installation or maintenance, ensure that the mains supply to the bulkhead is switched off and the circuit supply fuses are removed or circuit breaker turned off. .
- Check that the total load on the circuit, including when this bulkhead is fitted, does not exceed the rating of the circuit cable fuse of the circuit breaker.

Installation of this luminaire should only be carried out by a qualified electrician or competent person to the current Building and IEE Wiring Regulations (BS7671).

INS-780640-V1

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Product Code	780640
Size (mm)	Ø314x85
Lamp	SMD
Watts	14.5W
Equivalent Watts	116W
Lumens	1300lm
IP Rating	IP54
Colour Temp	4000K Cool White

Beam Angle	120°
Material	Mixed PC
Dimmable	No
Voltage/Hertz	220-240V 50/60Hz
Lifespan	25,000 hours
Warranty	3 Years
Energy Rating	A+

### Instructions for new installations:

- 1) Remove the diffuser and front bezel from the base by turning anti-clockwise.
- 2) Loosen the 3 retaining screws on the gear tray, and rotate anti-clockwise to align the screw heads with the large aperture of the keyhole slots. When aligned, the gear tray can be lifted away from the base.
- 3) Prepare the mains supply cable and the fixings points on the chosen mounting surface, ensuring they are able to support the weight of the bulkhead.
- 4) Pass the mains supply cable through the cable entry hole, attach the base to the mounting surface and secure with the screws provided. **NOTE: To maintain the IP Rating, ensure all fixing points and cable entry points are sealed.**
- 5) Route the mains supply cable to the terminal block on the gear tray, ensuring correct polarity is maintained. **NOTE: This luminaire must be earthed**
- 6) Refit the gear tray to the base (opposite of point 2) and secure by fitting the screws.
- 7) Refit the diffuser and front bezel by rotating clockwise.
- 8) Reconnect the mains and check for accurate function. **NOTE: Luminaires fitted with electronic drivers are exempt from insulation resistance tests as this may cause damage to the drivers.**

### Microwave sensor c/w DIP switches instructions:

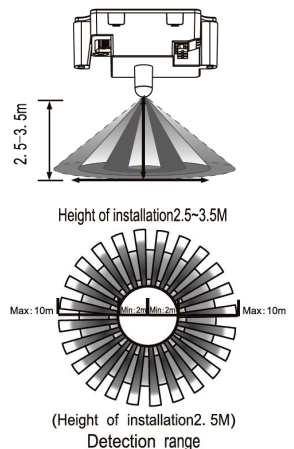
These instructions are in addition to standard bulkhead instructions that are also supplied with the product. Read and follow both sets of instructions before operating your bulkhead. Save this manual for future reference.

The sensor is an active motion detector: it emits a high frequency electromagnetic wave and receives its echo. The sensor detects the change in echo caused by movement in its detection zone. A microprocessor then triggers the switch light ON command. Detection is possible through doors, panels of glass and thin walls.

#### Detection range:

This determines the effective range of the motion detector. To adjust the range, use the DIP switches located on the sensor unit; reducing the Sensitivity will narrow the detection range.

- The diagram is based on a ceiling mounting height of 2.5m. Note that the lower the sensor is installed, the smaller the detection range will be.
- If wall mounted, the detection zone will vary depending on the surroundings, but perpendicular reach will be at least 10m.
- The area closest to the sensor and also the area most perpendicular to the sensor will have the highest sensitivity.
- The distances quoted are approximate and may vary depending on surroundings.
- Keep the sensor out of direct sunlight.



- Do not site within 1m of forced air heating or ventilation.
- Do not fix to a vibrating surface.
- Do not place metallic objects directly in front of the sensor head.
- These sensors kits are capable of switching/controlling more than one bulkhead in a 'master and slave' set up. This is done by linking non-sensored bulkheads (slaves) to the one bulkhead with the sensor fitted (master) using the living output from the sensor.

**NOTE: DO NOT link other bulkheads containing Microwave sensors together in this way, as it can cause false triggering of the sensors.**

**Settings:**

The following adjustments can be made using the DIP switches located on the sensor unit.

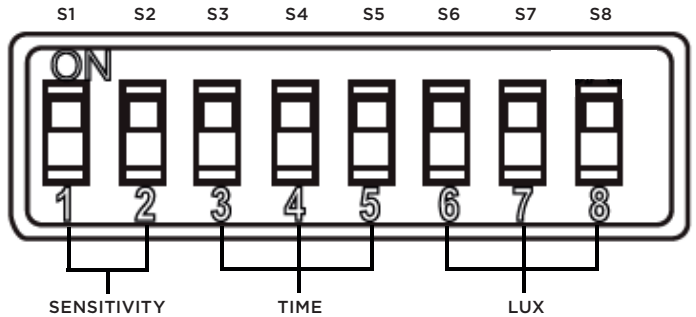
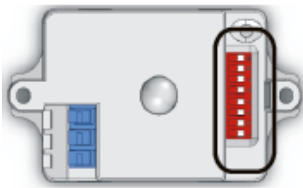
**Default factory settings:**

Sensitivity: 10m

Time: 20 mins

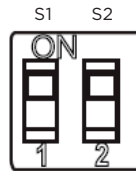
LUX: 24h (LUX level control disabled)

**DIP switch layout:**



**Sensitivity:**

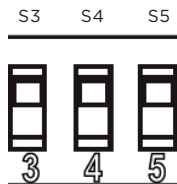
Set the detection range using the S1 and S2 DIP switches as shown right.



S1	S2	Detection Range
OFF	OFF	2m
OFF	ON	5m
ON	OFF	8m
ON	ON	10m

**Time:**

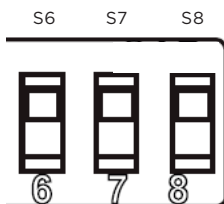
Set the required time delay between 10 seconds and 30 minutes using S3, S4 and S5 DIP switches as shown.



S3	S4	S5	TIME
OFF	OFF	OFF	10s
OFF	OFF	ON	1 min
OFF	ON	OFF	5 mins
OFF	ON	ON	10 mins
ON	OFF	OFF	15 mins
ON	OFF	ON	20 mins
ON	ON	OFF	25 mins
ON	ON	ON	30 mins

Lux:

Set the required LUX level by using S6, S7 and S8 DIP switches as shown.



S6	S7	S8	LUX
OFF	OFF	OFF	24H
OFF	OFF	ON	10 LUX
OFF	ON	OFF	20 LUX
OFF	ON	ON	50 LUX
ON	OFF	OFF	100 LUX
ON	OFF	ON	200 LUX
ON	ON	OFF	300 LUX
ON	ON	ON	500 LUX

#### Microwave Sensor Ratings

Power Supply	220-240VAC 50/60Hz
Transmission Power	<0.2mW
Rated Load	1000W
Power Consumption	0.5W approx.

#### Fault finding:

If you experience a problem, please check through the following before contacting your local distributor or TIME LED.

#### Fault – Load does not come on:

- Check the live supply to the circuit is effective.
- If the supply and wiring show no faults, check the LUX setting. Increase the LUX level setting to allow the sensor to turn on at a higher ambient light level.

#### Fault – Load does not turn off:

- Ensure the area is left unoccupied for longer than the selected timer setting.
- Make sure the sensor is not adjacent to the circulating air, heaters or lamps.
- If the unit 'false triggers', reduce the Sensitivity level to narrow the area of the detection.
- Ensure (sensored) bulkhead is not connected in parallel with other bulkheads containing microwave sensors.

#### Cleaning:

- Do not use any chemical or abrasive cleaners.
- Clean product with only a soft dry cloth.
- Cleaning should be carried out at regular intervals so as not impair photometric performance or thermal safety of the luminaire.

#### Warning:

- This product is not a toy and contains small parts.

#### Warranty:

- This product is warranted to be free of defects in materials, design and workmanship for 3 years from the date of purchase (conditions apply, please see TIME LED website for further details). If a suspected fault should develop in this time, please contact us via the address on the front.

#### Recycling Advice:

Waste Electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.

Full Technical specification available upon request. Contact [info@timeled.co.uk](mailto:info@timeled.co.uk) for PDF.

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