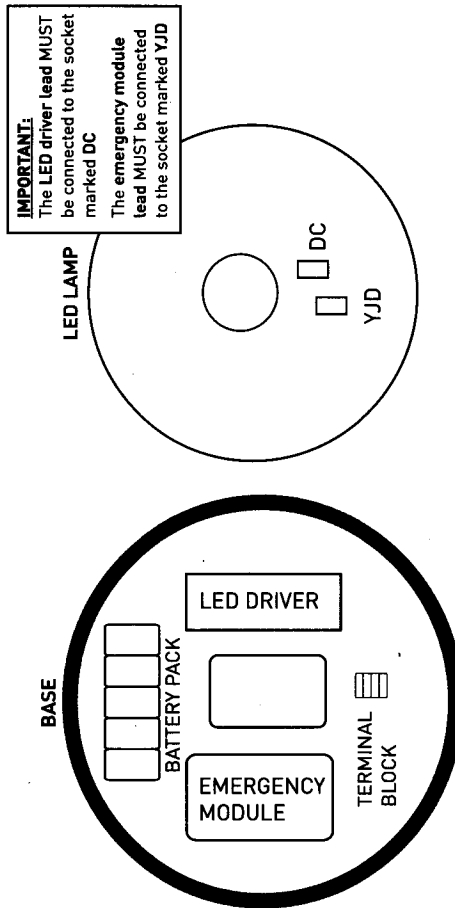


GENERAL INSTRUCTIONS

These instructions should be read carefully and retained after installation for further reference and maintenance

SAFETY

- Before installation/maintenance, ensure that the supply to the luminaire is switched off and the circuit breakers or fuses are removed or switched off
- Installation of this luminaire should be carried out by a qualified electrician or competent person to the current IEE Wiring and Building Regulations
- This product is IP44 rated and suitable for external applications where applicable
- This product is class II rated and must not be earthed
- Check that 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
- Due to the electrical nature of LED luminaires, it may be necessary to upgrade the breaker or protection device on the circuit this luminaire is connected to a Class "C" type, should nuisance tripping occur
- Please recycle this unit
- This product has a replaceable 14W LED lamp
- This product is non-dimmable
- 230V 50Hz



INSTALLATION

- Remove the diffuser from the base by turning 45° anti-clockwise and pulling away from the base of the luminaire
- Loosen but do not remove the 3 x lamp retaining screws
- Adjust the position of the lamp to align the hole in the keyhole slots with the retaining screws, and remove the lamp from the base
- Unplug the driver and emergency module leads from the lamp
- Select a suitable cable entry point already provided or by drilling into the base
- Prepare the ceiling/mounting points and mains supply cable, ensuring the fixing surface/mechanism is sufficient to support the luminaire weight
- Position and fix the base to a suitable solid surface

- Enter supply cable into the luminaire through previously selected hole ensuring that the hole is smooth or a grommet is fitted
- Terminate the cable into the terminal block ensuring correct polarity is observed, and any bare conductors are sleeved

Unswitched maintained operation - *In this mode the luminaire is in sensor mode continuously. In the event of power failure the luminaire will revert to emergency mode*

- Connections:-
- NEUTRAL to (N)
- Permanent 230V mains to PERMANENT LIVE (L)
- SWITCHED LIVE (K) - link to PERMANENT LIVE
- SLAVE LIVE to (SL). Provided to link to other luminaires. (The slave luminaire(s) connected to this terminal will be controlled by the microwave sensor in this luminaire)

Switched maintained operation - *In this mode the luminaire can be lit and controlled by a switched live enabling the luminaire to be switched on and off. In the event of power failure the luminaire will revert to emergency mode*

- Connections:-
- Live from the light switch to SWITCHED LIVE (K)
- NEUTRAL to N
- Permanent 230V mains to PERMANENT LIVE (L)
- Slave Live to SL. Provided to link to other luminaires. (The slave luminaire(s) connected to this terminal will be controlled by the microwave sensor in this luminaire)
- Connect the battery plug into the emergency module observing correct polarity
- Reconnect the LED driver lead to the socket marked DC on the lamp
- Reconnect the emergency module lead to the socket marked YJD on the lamp
- Replace the lamp by aligning the holes in the keyhole slots with the retaining screws on the base, adjust the lamp so the retaining screws now are aligned with the slots of the keyhole slots, and re-tighten the retaining screws
- Re-fit the diffuser by placing over the base and turning anti-clockwise until it locks into position
- To change the trim around the diffuser, push the semi-transparent disc in the centre of the diffuser inwards over the retaining lugs. From the inside, insert the semi-transparent disc into the new trim
- Reconnect the power supply and check for correct operation
- Luminaires fitted with an electronic ballast or driver are exempt from insulation resistance tests as this may cause damage to the electronics

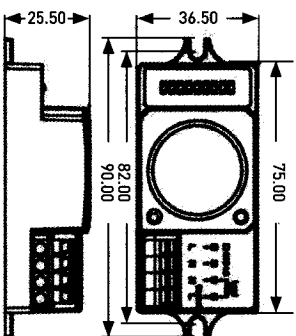
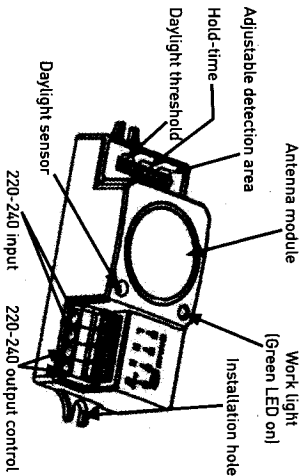
MAINTENANCE

- Any failed lamps should be replaced promptly to avoid irreparable damage to the luminaire
- WARNING: Ensure luminaire is switched off and suitably cooled down before carrying out any maintenance work
- Clean with a soft dry cloth only, do not use other materials or solutions which may damage the fitting

NOTES

- This emergency luminaire can be operated in maintained or non-maintained mode, but when operated in emergency (battery back-up) mode, the lamp will illuminate at reduced light output

BT SENSOR



TECHNICAL SPECIFICATIONS

Input voltage - 220/240Vac 50Hz
 Rated load - 400W (inductive load),
 800W (resistive load)
 Detection area - 0.5-8m, adjustable
 Hold-time - 10s / 30s / 90s / 3min / 20min / 30min
 Daylight sensor - 5lux / 10lux / 30lux / 50lux / disable
 Sensor principle - microwave motion detector
 Microwave frequency - 5.8GHz/75MHz, ISM wave band

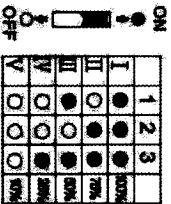
Transmitting power - $\leq 0.5mW$
 Detection range - max: (D x h): 16m x 6m
 Detection angle - 150° (wall installation),
 360° (ceiling installation)
 Motion detection - 0.5-3m/s
 Operating temperature -20°C-60°C
 IP rating - IP20

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

1, Detection area

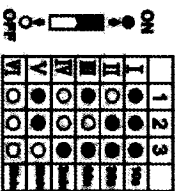
- I: up to 8m
- II: up to 6m
- III: up to 4m
- IV: up to 3m
- V: up to 2m



2, Hold time

Refers to the time period the lamp remains at 100% illumination after no motion detected

- I: 10s
- II: 30s
- III: 90s
- IV: 3min
- V: 20min
- VI: 30min

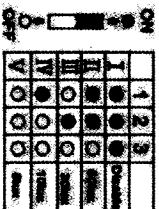


3, Daylight sensor

The sensor can be set to allow the lamp to illuminate only below a predefined ambient brightness threshold. The settings are as follows:

- I: Disable*
- II: 50lux, twilight operation
- III: 30lux, twilight operation
- IV: 10lux, darkness operation only
- V: 5lux, darkness operation only

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

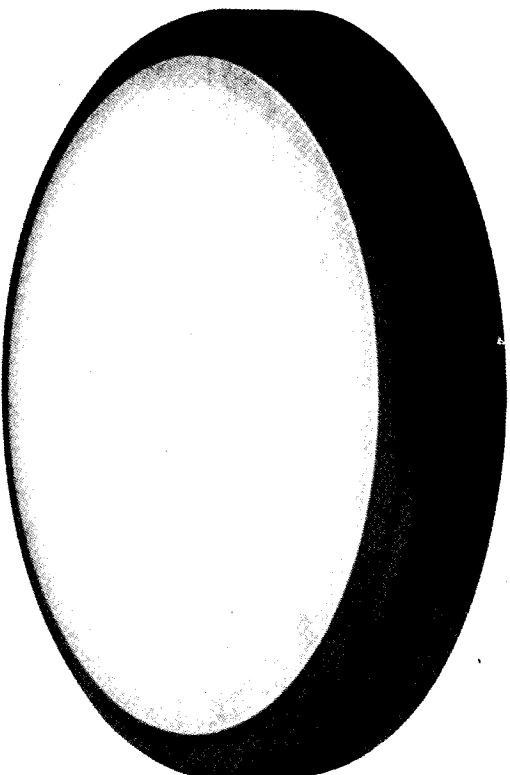


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INSTALLATION & MAINTENANCE MANUAL BT14EMS

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