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MICROWAVE SENSOR

Microwave sensors work by detecting movement, any objects within the field of detection which move, such as trees, animals, cars etc. will trigger the light. If mounted externally rain running down the diffuser may also cause the unit to be triggered. Please ensure terminals 'L' and 'L1' are linked on applicable ESP fittings to enable the microwave sensor.

LAYOUT AND SWITCHES

1. Daylight setting
(minimum light level when unit will operate)

2. Time setting
(how long the unit stays on after movement is detected)

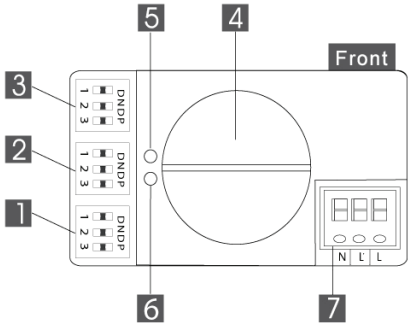
3. Sensitive setting
(distance of detection)

4. Sensor

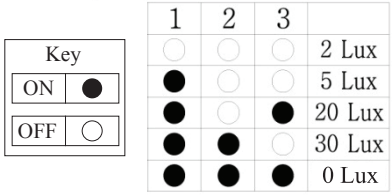
5. LED indicator

6. Light sensor

7. Terminals

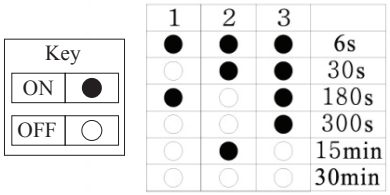


DIP SWITCH 1: Daylight setting



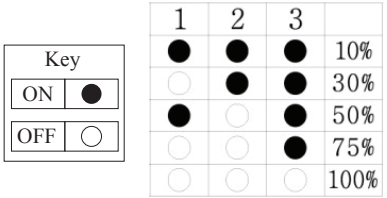
Daylight value can be adjusted to 2 Lux, 5 Lux 20 Lux, 30 Lux and 0 Lux. If you choose '0 Lux' then the light will operate all of the time when triggered, regardless of daylight level.

DIP SWITCH 2: Time setting



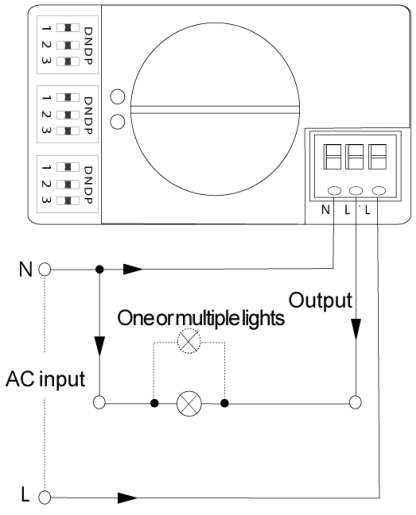
The 'time setting' of the sensor can be adjusted to 6s, 30s, 180s, 300s, 15min and 30min. The unit will remain on until no movement has been detected for the chosen period.

DIP SWITCH 3: Distance (sensitivity) setting



The detector has a maximum range of 10M.
Distance detected range can be adjusted to 10%, 30%, 50%, 75% and 100% of the maximum range.

WIRING DIAGRAM



SPECIFICATION

Input Voltage/ Frequency	AC 220V / 50Hz
Power rating	≤500W
Light level sensing	2-30 lux
Sensitive distance	1-10M
Time setting	6 sec - 30 minutes
Angle coverage	160°
Recommended mounting height	2.5m
Ambient operating temperature	-10°C~+50°C
Stand by power consumption	=0.9W

COMMISSIONING (EMERGENCY LUMINAIRE)

Follow the procedure below to establish that the luminaire is working correctly.

1. Connect the batteries to the printed circuit board by inserting the black and red battery wires in to the correct 'push fit' battery terminals on the emergency module. Simply push down the locking lug and insert the wire and then release the lug.
2. The permanent live supply should be switched on, and the green LED should light, this indicates the batteries are charging.
3. Turn on the normal lighting supply (if a switched live supply is present), the lamp should light.
4. Leave the luminaire in this state for at least one hour before failing all live supplies. The lamp should light in the emergency mode at reduced brightness.
5. Restore the mains supply and leave the luminaire to fully charge the batteries, this will normally be 24 hours. It is nevertheless advisable, to allow an initial charge for 48 hours before putting the batteries into service for the first time

PERIODIC TESTING (EMERGENCY LUMINAIRE) (CONSULT BS 5266-1:2005 FOR FULL DETAILS)

The luminaire must be checked periodically for correct operation, and to evaluate the remaining capacity in the battery at regular intervals during its life. The unswitched supply should be failed which will cause the luminaire to operate in the emergency mode.

- The LED charge indicator should be checked on a daily basis
- Every moth the luminaire should be tested in the emergency mode to ensure the lamp is illuminated.
- Annually the luminaire should be tested to ensure it achieves its entire rated duration of emergency operation.
- Record the periodic testing of individual luminaire in the table below, and keep all records in a safe place.

	Luminaire Location			**Luminaire Type**		**Installation Date**	
Month	Test Func/3hr	Year 20 Sign & Date	Year 20 Sign & Date	Year 20 Sign & Date	Year 20 Sign & Date	Year 20 Sign & Date	Year 20 Sign & Date
Jan							
Feb							
Mar							
Apr							
May							
Jun							
Jul							
Aug							
Sep							
Oct							
Nov							
Dec							

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