



Read these instructions before commencing installation. Please give these instructions to the owner/occupier after installation to retain for future reference/maintenance.

IP20 240VAC~50Hz

These Sensors are Class II and do not require an Earth connection

### Important Information

It is recommended that luminaires are installed and fitted by a qualified electrician ensuring the installation complies with current IEE wiring regulations & local building control. These products are designed for connection to a 240V 50Hz supply. Any broken or damaged parts should be replaced as soon as possible. KSR will not accept responsibility for any claims arising from a poor installation.

### Installation Guidelines

Secure the Microwave sensor to the correct location in the body using fixings provided. Terminate your mains input cable into the L & N terminals, then connect the luminaire wires into the L' & N' terminals on the sensor.

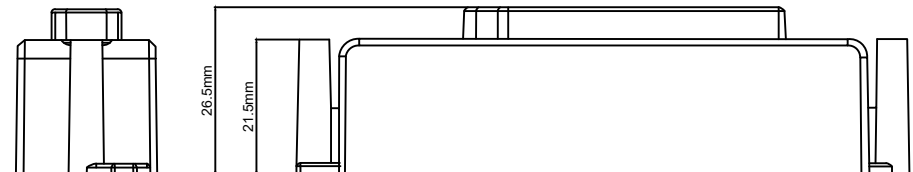
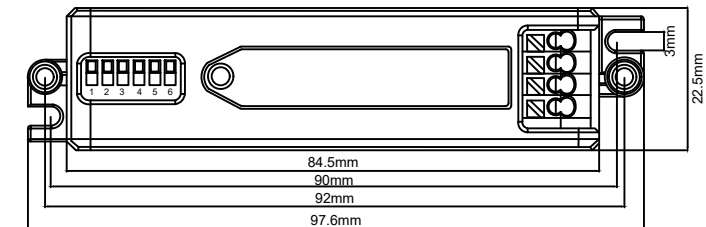
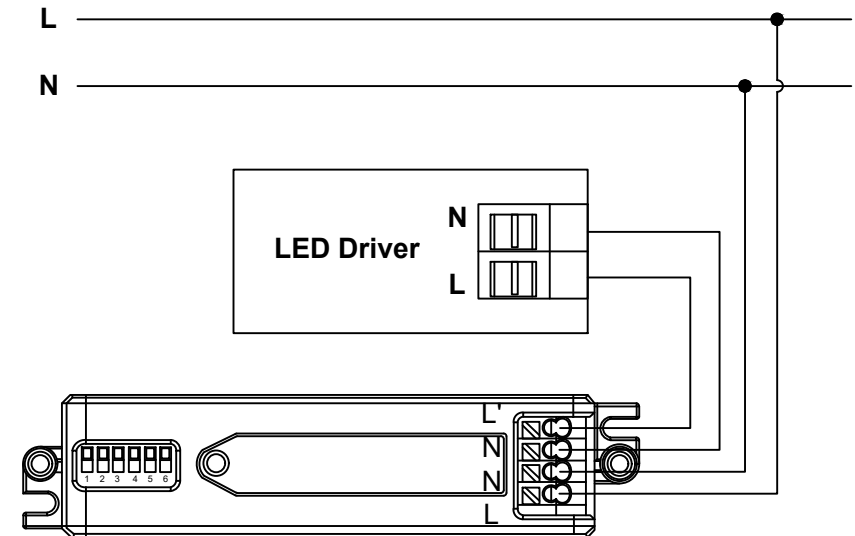
On initial installation it is advised you leave the time setting to 5 Seconds and the Lux setting on to disable mode, with the sensitivity set to max (100%) This will allow you to test and set up the sensor as required.

**Time** - This sensor can switch the lighting from a minimum of 5 Seconds to a maximum of 15 minutes, carefully turn the time dial to the required time.

**Lux** - This sensor will activate between daylight and 2 Lux, in order to achieve the required 'on' time it is recommended that the sensor is set to 50 Lux and wait 24 hours, after this period you can adjust the Lux control to up or down accordingly.

**Sensitivity** - The sensor will activate between 1m and 6m range, if the sensor triggers movement outside the required area, reduce the sensitivity to compensate.

**Position** - Ensure you position the sensor in a location suited to the the required activation point, this may not be central to any space. Avoid placing the sensor near heating vents or highly reflective surfaces as this may cause unwanted triggering.



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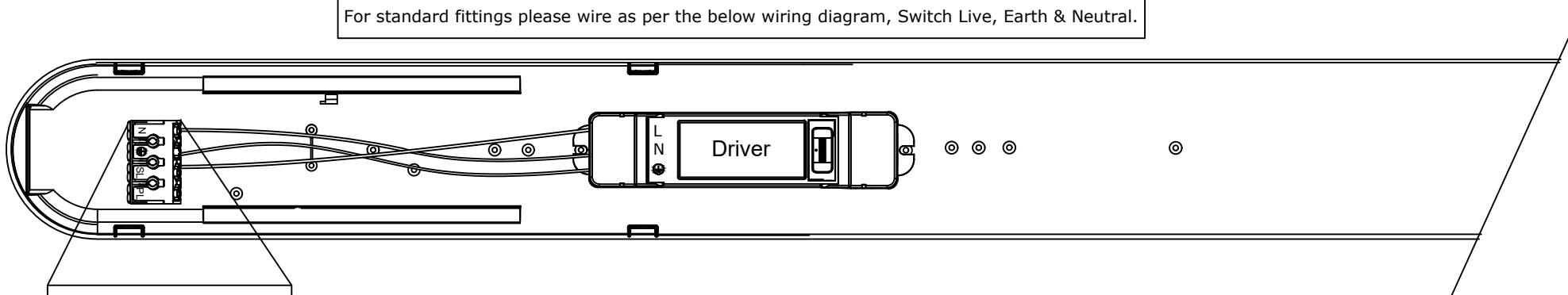


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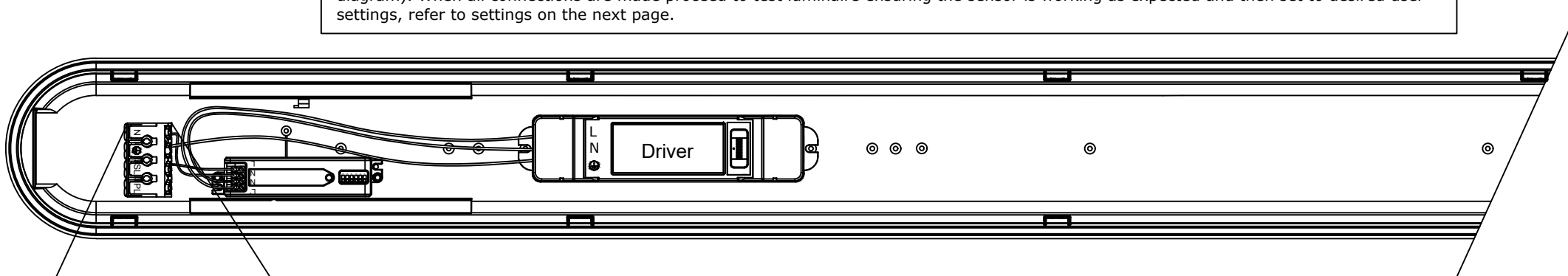
## Standard Version

For standard fittings please wire as per the below wiring diagram, Switch Live, Earth & Neutral.



Neutral  
Switch Live  
Not Used

After the sensor is secured in place connect Live/neutral in to terminal Block and Switched Live and Neutral to driver (as per the wiring diagram). When all connections are made proceed to test luminaire ensuring the sensor is working as expected and then set to desired user settings, refer to settings on the next page.



Neutral  
Switch Live  
Live



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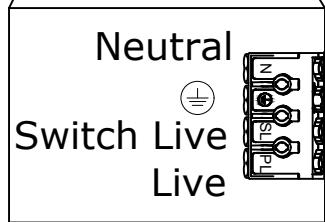
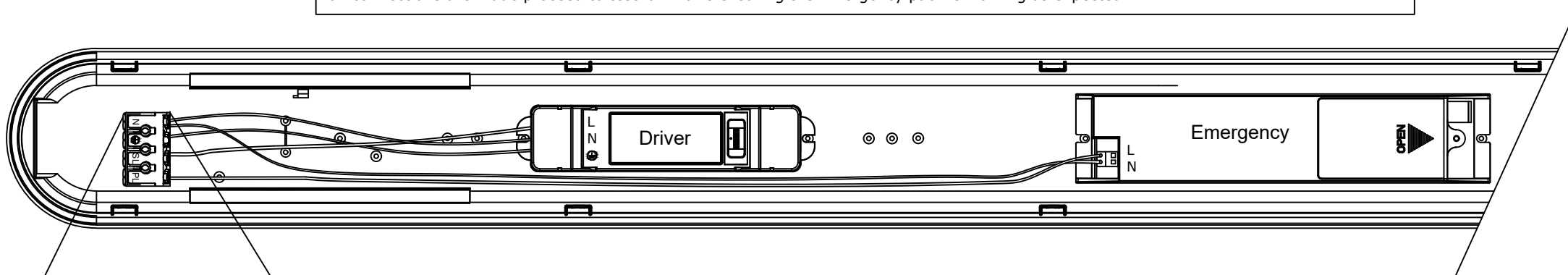


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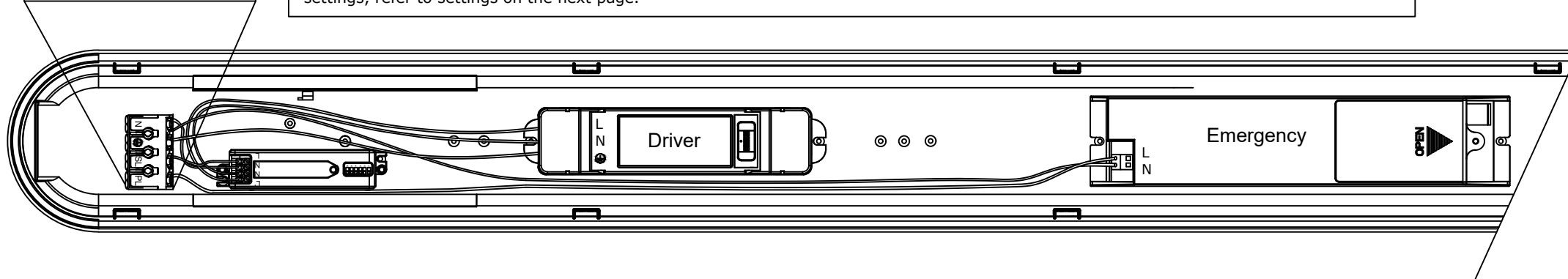
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## Emergency Version

After the Emergency pack is secured in place connect Permanent Live & Neutral in to terminal Block (as per the wiring diagram below). When all connections are made proceed to test luminaire ensuring the Emergency pack is working as expected.



After the sensor is secured in place connect Live/neutral in to terminal Block and Switched Live and Neutral to driver (as per the wiring diagram). When all connections are made proceed to test luminaire ensuring the sensor is working as expected and then set to desired user settings, refer to settings on the next page.



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## KSR Microwave On/Off Sensor Set Up Guide

### 1 - Detection Area

Detection area can be reduced by selecting the combination on the Dip Switches, following the guide as shown here.

	1	2	
I	●	●	100%
II	●	○	75%
III	○	●	50%
IV	○	○	10%

### 2 - Hold Time

Hold time means the time period you would like the light to remain 'on' once no movement is detected.

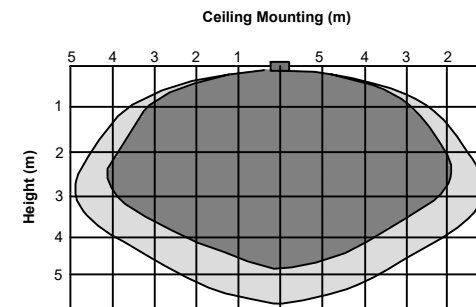
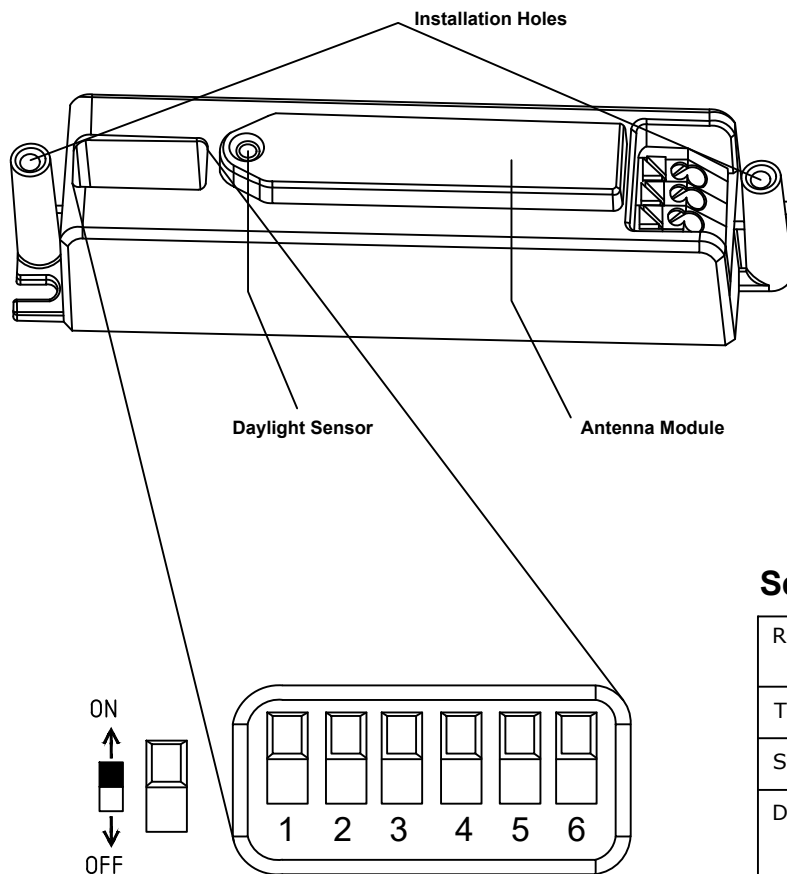
	3	4	
I	●	●	5s
II	●	○	90s
III	○	●	5min
IV	○	○	15min

### 3 - Daylight Sensor

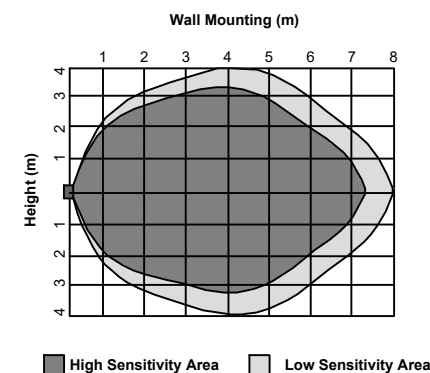
The daylight sensor can be set to bring the light 'on' at specific daylight levels. To have the sensor function in daylight set the Dip Switches to Disable.

	5	6	
I	●	●	Disable
II	●	○	50 lux
III	○	●	10 lux
IV	○	○	2 lux

Microwave sensors will detect movement through certain materials, if this occurs reduce the detection area until any nuisance triggering stops.



■ High Sensitivity Area □ Low Sensitivity Area



■ High Sensitivity Area □ Low Sensitivity Area

## Sensor Specification

Rated Load	400W (Capacitive load) 800W (Resistive Load)
Transmitting Power	<0.2mW
Stand-by Power	<0.5W
Detection Range	Max Installation Height: 6m Max Detection Range: Ø10m @ 3m Installation Height
Detection Angle	30°~150°
Work Temperature	-20°~+60°C

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