

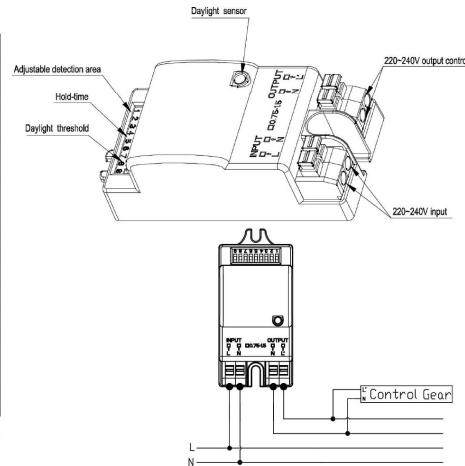
SAM95541 CCT LED Microwave Sensor Bulkhead

Microwave Movement Sensor

This product is fitted with a microwave movement sensor. Please see below detailed operating instructions.

Technical Specifications:

Operating voltage	220 ~ 240V AC 50/60Hz	
Rated load	400W (Capacitive load) 800W (Resistive load)	
Stand-by power	≤ 0.5W	
Sensitivity	Ceiling mounted height: 3m	100% / 75% / 50% / 25% / 10%
	Ceiling mounted height: 6m*	100% / 75% / 50%
	Wall mounted height: 2m	100% / 75% / 50% / 25% / 10%
Hold-time	5s / 30s / 90s / 3min / 20min / 30min	
Daylight sensor	2Lux / 10Lux / 25Lux / 50Lux / Disable	
Microwave frequency	5.8 GHz ± 75MHz	
Transmitting power	1mW Max.	
Detection range	Ceiling mounted height: 3m	3- 6m (radius)
	Wall mounted height: 1.5-2m	12-15m
Detection angle	360° (Ceiling) / 120° (Wall)	
Working temperature	-20°C ~ 60°C	



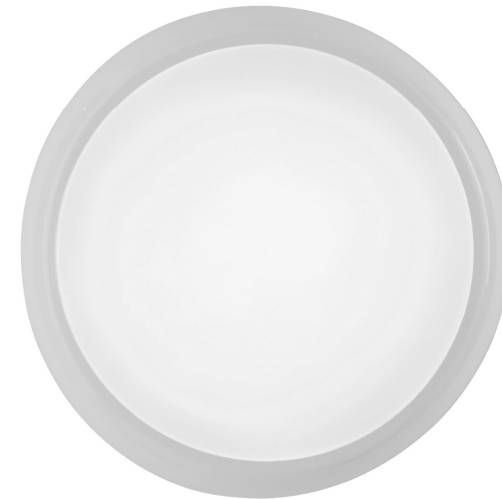
*50%, 75%, 100% detection sensitivity is workable when installed at 6m mounting height. Only 10%, 25% sensitivity is not able to detect motion signal.

Settings:

<p>1. Sensitivity Sensitivity can be adjusted by selecting the combination on the DIP switches for different applications.</p> <table border="1"> <tr> <td></td> <td>1</td> <td>2</td> <td>3</td> <td></td> </tr> <tr> <td>I - 100%</td> <td>●</td> <td>●</td> <td>●</td> <td>100%</td> </tr> <tr> <td>II - 75%</td> <td>○</td> <td>●</td> <td>●</td> <td>75%</td> </tr> <tr> <td>III - 50%</td> <td>○</td> <td>○</td> <td>●</td> <td>50%</td> </tr> <tr> <td>IV - 25%</td> <td>○</td> <td>○</td> <td>○</td> <td>25%</td> </tr> <tr> <td>V - 10%</td> <td>○</td> <td>○</td> <td>○</td> <td>10%</td> </tr> </table>		1	2	3		I - 100%	●	●	●	100%	II - 75%	○	●	●	75%	III - 50%	○	○	●	50%	IV - 25%	○	○	○	25%	V - 10%	○	○	○	10%	<p>2. Hold-time Hold-time refers to the time period that the light remains 100% on if no more movement is detected.</p> <table border="1"> <tr> <td></td> <td>4</td> <td>5</td> <td>6</td> <td></td> </tr> <tr> <td>I - 5s</td> <td>●</td> <td>●</td> <td>●</td> <td>5s</td> </tr> <tr> <td>II - 30s</td> <td>○</td> <td>●</td> <td>●</td> <td>30s</td> </tr> <tr> <td>III - 90s</td> <td>○</td> <td>○</td> <td>●</td> <td>90s</td> </tr> <tr> <td>IV - 3min</td> <td>○</td> <td>○</td> <td>○</td> <td>3min</td> </tr> <tr> <td>V - 20min</td> <td>●</td> <td>●</td> <td>○</td> <td>20min</td> </tr> <tr> <td>VI - 30min</td> <td>○</td> <td>○</td> <td>○</td> <td>30min</td> </tr> </table>		4	5	6		I - 5s	●	●	●	5s	II - 30s	○	●	●	30s	III - 90s	○	○	●	90s	IV - 3min	○	○	○	3min	V - 20min	●	●	○	20min	VI - 30min	○	○	○	30min	<p>3. Daylight sensor Different daylight threshold can be preset on DIP switches. Light will always turn on upon movement if daylight sensor is disabled.</p> <table border="1"> <tr> <td></td> <td>7</td> <td>8</td> <td>9</td> <td></td> </tr> <tr> <td>I - 2Lux</td> <td>●</td> <td>●</td> <td>●</td> <td>2Lux</td> </tr> <tr> <td>II - 10Lux</td> <td>○</td> <td>●</td> <td>●</td> <td>10Lux</td> </tr> <tr> <td>III - 25Lux</td> <td>○</td> <td>○</td> <td>●</td> <td>25Lux</td> </tr> <tr> <td>IV - 50Lux</td> <td>○</td> <td>○</td> <td>○</td> <td>50Lux</td> </tr> <tr> <td>V - Disable</td> <td>○</td> <td>○</td> <td>○</td> <td>Disable*</td> </tr> </table> <p><small>*Disable means the daylight sensor does not work. The sensor will turn on light once motion is detected regardless of ambient light level.</small></p>		7	8	9		I - 2Lux	●	●	●	2Lux	II - 10Lux	○	●	●	10Lux	III - 25Lux	○	○	●	25Lux	IV - 50Lux	○	○	○	50Lux	V - Disable	○	○	○	Disable*
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Trouble shooting:

Malfunction	Cause	Remedy
The light will not come on	Incorrect light-control setting selected	Adjust daylight threshold setting
	Faulty lamp	Replace lamp
	No power supply	Check power to sensor
The lamp is always on	Continuous movement in the detection zone	Check detection area setting
The lamp is on without any identifiable movement	The sensor is not mounted for reliably detecting movement	Securely mount enclosure
	Movement occurred, but not identified by the sensor (Movement behind wall, movement of small object in immediate lamp vicinity etc.)	1. Reduce sensitivity. 2. Check the movement behind walls to avoid facilities such as water pipe, fan, which may mis-trigger the sensor.
The lamp will not work despite movement	Rapid movements are being suppressed to minimize malfunctioning or the detection radius is too small.	Check detection area setting



Care and Safety

We recommend cleaning with a soft dry cloth. Do not use solvents or abrasive cleaners as these could damage the finish. For your safety, always switch off the power supply before cleaning.