

INSTRUCTIONS



MICROWAVE SENSOR-DIMMABLE

E.1009.30

Please read the instructions before commencing installation and retain for future reference.

SPECIFICATIONS:

Fitting: polycarbonate

Power Source: 220-240V/AC

Detection Angel: 360°

Detection Range: 50%, 100% (choice)

Power Frequency: 50Hz

HF System: 5.8GHz CW radar, ISM band

Detection Distance: 4-10m(radius), adjustable

Ambient Light: 2LUX, 10LUX, 50LUX, 2000LUX (Choice)

Time delay: 5s, 30s, 90s, 3min, 5min, 10min, 20min, 30min (choice)

Stand-by DIM Level: 10%, 20%, 30%, 50% (choice)

Stand-by Period: 10s, 1min, 5min, 10min, 30min, 60min, +∞, 0s (choice)

Working Temperature: -20~+40°C

Working Humidity: <93%RH

Power Consumption: approx 0.9W

Transmission Power: <0.2mW

Rated Load: Max. ☀ 2000W Incandescent

💡 1000W Fluorescent

Installation Height: 4-15m

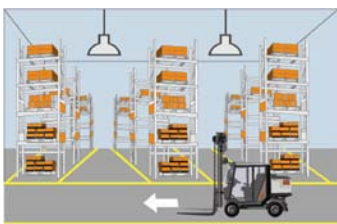
Detection Moving Speed: 0.6-1.5m/s

INSTALLATION INSTRUCTIONS:

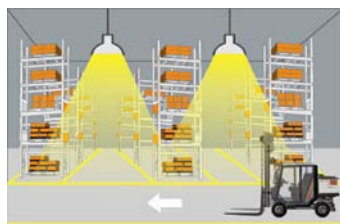
▲ Electrical products can cause death, injury, damage to property. Installation of this product must be carried out by a qualified electrician, in accordance with SANS 10142. On completion of installation, ensure that the Certificate of Compliance is updated.

FEATURES:

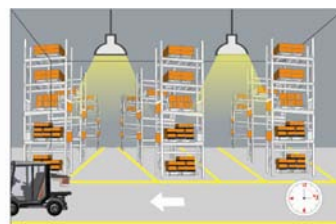
- **Identifies day and night:** It can work in the daytime and at night when three dials are on above position (Daylight Sensor 2000Lux). It can work in the ambient light less than 2LUX when three dials are on below position (Daylight Sensor 2Lux). As for the adjustment pattern, please refer to the testing pattern.
- **Adjustable hold time:** It can be set according to the consumer's desire. The minimum time is 5sec. The maximum is 30min.
- **3 levels of light:** 100 %--> dimmed light (10%, 20%, 30%, 50% optional) -->off; and 2 periods of selectable waiting time, motion hold time, stand-by period, selectable LUX value and choice of detection area.



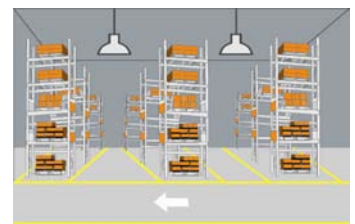
When the ambient light is sufficient, the sensor does not switch on the lamp.



When the ambient light is insufficient, the sensor switches on the lamp when motion is detected.

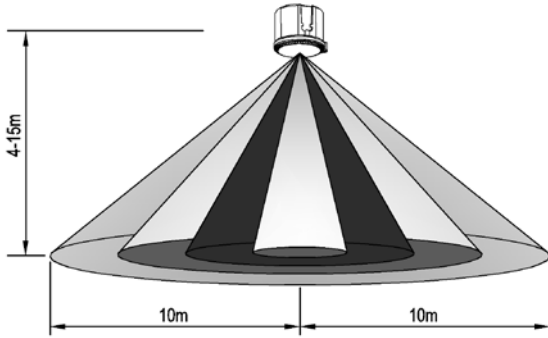


After hold time, the sensor dims the lamp at a low light level if no new motion is detected.

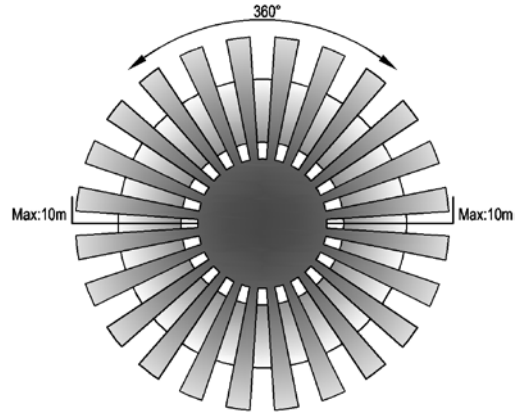


After stand-by period, the sensor switches off the lamp if no motion is detected in its detection range.

SENSOR INFORMATION:



Height of installation: 4-15m

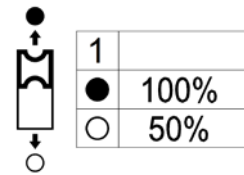


Detection Distance: Max.10m (radius)

SETTING:

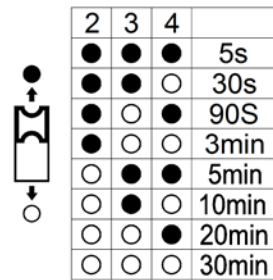
Detection Range

Detection distance can be set with different combinations of DIP switches to precisely fit for each specific application



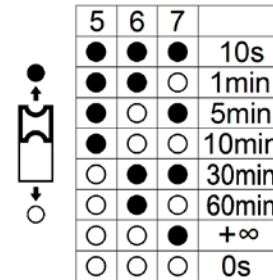
Hold Time

Hold Time means the time period you would like to keep the lamp on at full power after the person has left the detection distance



Stand-by Period

This is the time period you would like to keep at the lowest light output level before it is completely switched off when no motion is detected

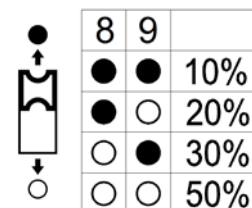


Note:“+∞” means fixture keeps on stand-by dimming level and never switches off.

”0s” means no dimming function

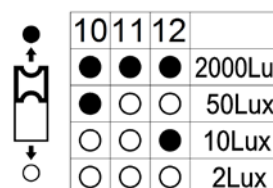
Stand-by DIM level

This is the dimmed low light control output level you would like to have after the hold time when no motion is detected.



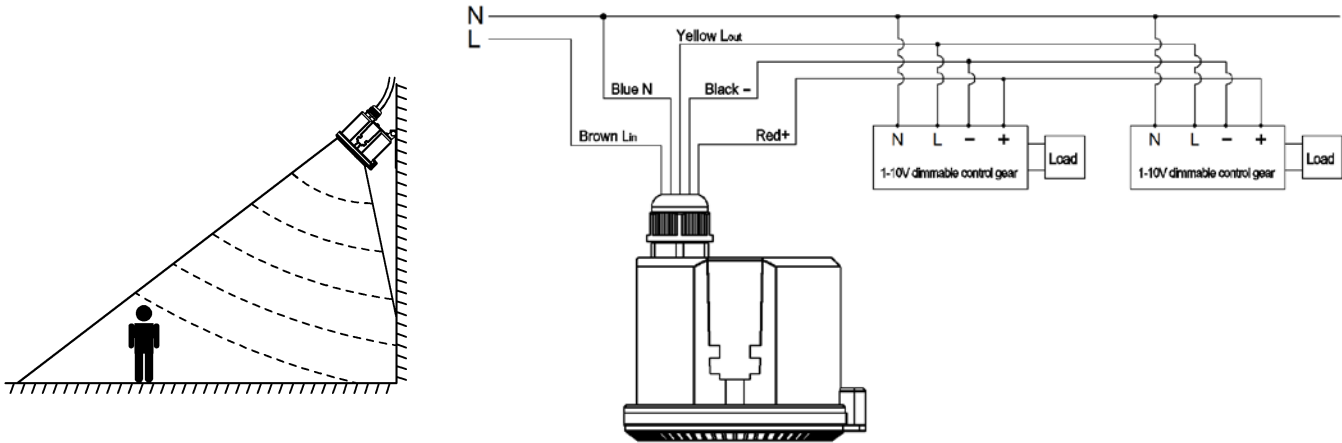
Daylight Sensor

The LUX value can be set on DIP switches in order to fit different ambient light levels.



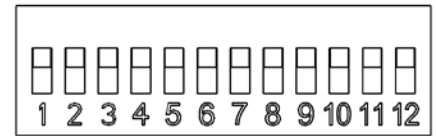
CONNECTION-WIRE DIAGRAM:

ST759B



TEST:

- Slide the all knobs on "above" position. When you switch on the power, the light will be on at once, and 5 sec later without induction signal the light will turn off quickly. Then if the sensor receives induction signal, it can work normally
- Adjust the stand-by period to "10s", when the sensor receives induction signal, the light will be 100% on; 5sec later, the light dims quickly to 10% on for 10sec and then turn off. If the sensor receives second induction signal within the stand-by period, the light will be 100% on.



1	Detection Range			Hold Time			Stand-by Period			Stand-by DIM level			Daylight Sensor				
	100%	50%	100%	30s	90s	5min	10min	20min	30min	10%	20%	30%	50%	2000Lux	50Lux	10Lux	2Lux
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

NOTES:

- Electrician or experienced human can install it.
- Can not be installed on the uneven and shaky surface
- In front of the sensor there shouldn't be obstructive object affecting detection.
- Avoid installing it near the metal and glass which may affect the sensor.
- For your safety, please don't open the case if you find hitch after installation.
- In order to avoid the unexpected damage of product, please add a safe device of current 6A when installing microwave sensor, for example, fuse, safe tube etc.
- Motion sensor overrides daylight sensor, meaning the daylight sensor starts to check the ambient natural light only when the lamp is switched off (motion hold-time elapsed).
- This 1-10V output is no insulated; please make sure the fixture is constructed according to relevant safety standard.

SOME PROBLEM AND SOLVED WAY:

- The load doesn't work:
 - a. Check the power and the load.
 - b. Whether the indicator light is turned on after sensing? If yes, please check load.
- The sensitivity is poor:
 - a. Please check if in front of the sensor there shouldn't be obstructive object that affect to receive the signals.
 - b. Please check if the signal source is in the detection fields.
 - c. Please check the installation height.

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