

Alwen Zhaga Plug & Play Microwave Sensor (Part No: 430569)

Part No:
430569



Part No:
401754

INTRODUCTION

The Alwen Zhaga Microwave sensor (430569) provides multi-level control based on motion and/or daylight contribution. This product has twist lock terminals that meet the requirements of ZHAGA BOOK 18.

It controls 0-10V DC LED drivers and can be used within wet or cold environments and can be controlled by remote control.

Power Supply	12V-24V DC >50mA
Dim Control Output	0-10V Max. 25mA sinking current
HF System	5.8GHz $\pm$ 75MHz
Transmission Power	<0.2mW
Detection Radius	20% / 50% / 75% / 100% (1-8m)
Mounting Height	Max 40ft. (12m)
Time Setting	10s / 1min / 5min / 10min / 15min / 20min / 30min / 60min
Light Control	24H / 10Lux / 30Lux / 50Lux
Temperature	-10°C ~ +40°C
IP Rating	IP65

WARNING

NOTE: Warm up time is 15 seconds. After the sensor connects with the input power for the first time, the light will keep on for 15 seconds, then go to dimming to work normally.

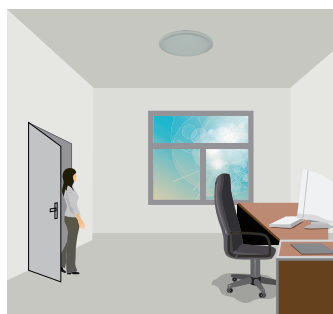
NOTE: Factory Default Setting: 100% sensitivity. Hold on Time: 5min. Daylight Sensor is Off. Dimming Level: 30%. Dimming Time: 60mins.

NOTE: If any setting is changed by the remote control, the led light sensor will confirm by flashing on/off.

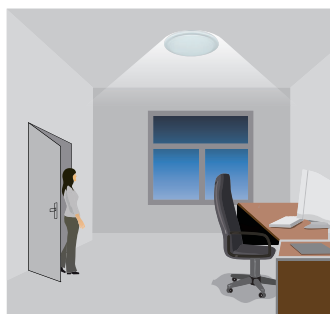
CORRIDOR FUNCTION

This tri-level function is located inside the sensor for areas which require a light change notice before switch off. The sensor offers 3 levels of light:

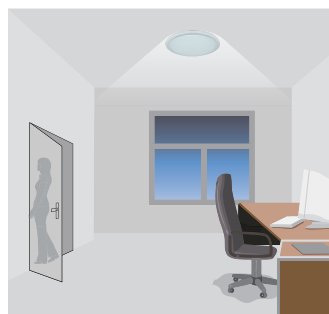
- Normal operation (insufficient natural light)
- Off - when natural light exceeds normal threshold
- 2 Periods of selectable waiting time: Motion hold-time and Standby Period
Selectable daylight threshold and Freedom of detection area



With sufficient natural light, the light does not switch on when presence is detected.



With insufficient natural light, the sensor switches on the light automatically when presence is detected.



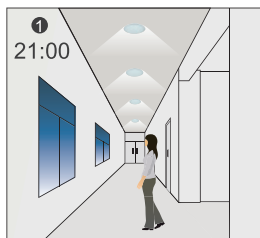
After hold-time, the light dims to stand-by level if the surrounding natural light is below the daylight threshold.



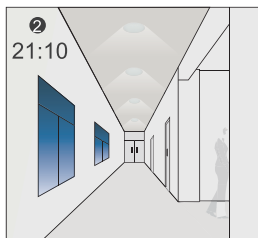
Light switches off automatically after the stand-by period elapses.

DAYLIGHT SENSOR FUNCTION

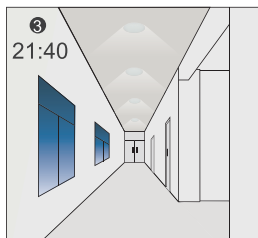
Open the daylight sensor by push **(II)** when remote control is in setting condition.



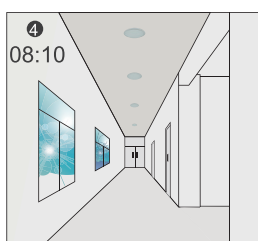
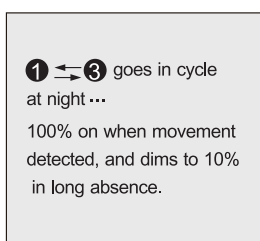
The light switches on at 100% when there is movement detected.



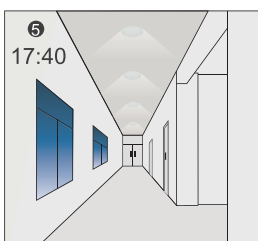
The light dims to stand-by level after the hold-time.



The light remains in dimming level at night.

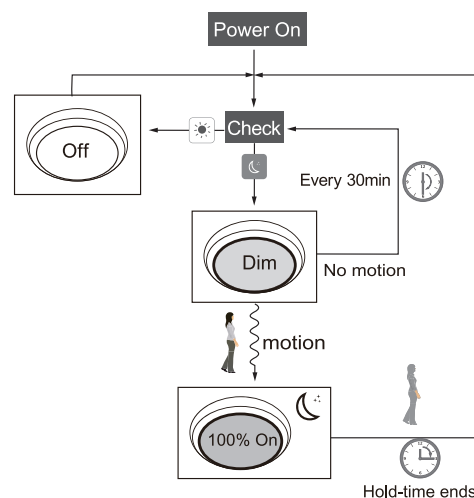


When the natural light level exceeds setpoint off to light, the light will turn off even if when the space is occupied.

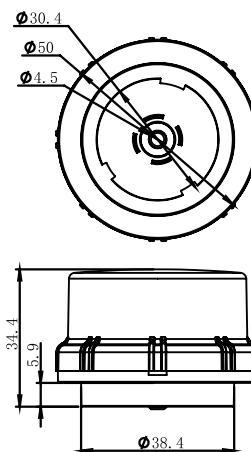
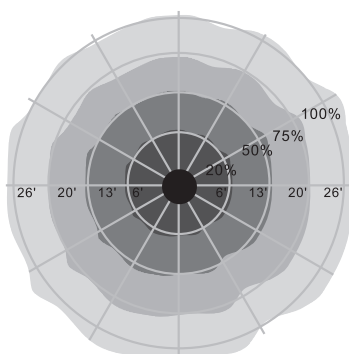
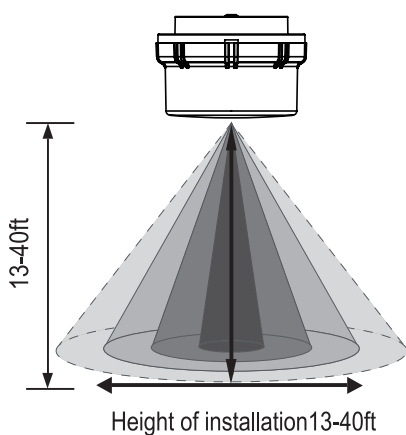


The light automatically turns on at 10% when natural light is insufficient (no motion).

Settings on this demonstration:
Hold-time: 30min
Setpoint on: 50lux
Setpoint off: 300lux
Stand-by Dim: 10%
Stand-by period: +∞
(when the smart photocell sensor open, the stand-by time is only +∞)



SENSOR COVERAGE



PORT DESCRIPTION

PORT 1 : 12-24V DC
PORT 2 : GND / DIM -
PORT 3 : NC
PORT 4 : DIM +

