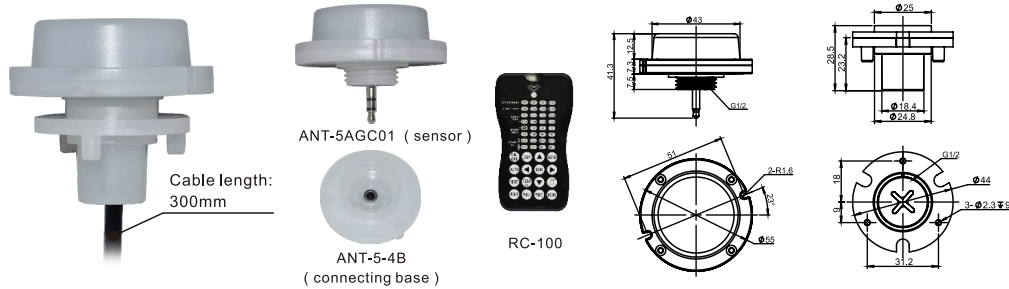


■ Bi-level Microwave Sensor For High Bay Light ANT-5AGC01 Instruction



INTRODUCTION

The ANT-5AGC01 is a motion sensor that dims lighting from high to low based on movement. This slim, low-profile sensor is designed for installation inside the bottom of a light fixture body. The sensors use microwave sensing technology that reacts to changes in movement within the coverage area. Once the sensor stops detecting movement and the time delay elapses lights will go from high to low mode and eventually to an OFF position if it is desired. Sensors must directly "see" motion of a person or moving object to detect them, so careful consideration must be given to sensor luminaire placement and lens selection. Avoid placing the sensor where obstructions may block the sensor's line of sight.

SPECIFICATIONS

Operating voltage	12~24Vdc
Max. current sink	50mA±5%
HF System	5.8GHz±75MHz
Transmission power	<0.2mW
Dim control output	0-10V
Detection radius	20%/50%/75%/100%(1-8m)
Mounting height	Max 50ft. (15meters)
Time setting	10s/1min/5min/10min/15min/20min/30min/60min
Light-control	24H/10LUX/30LUX/50LUX
Temperature	-4°F ~ +140°F (-20°C ~ +60°C)
IP	IP65

⚠ WARNING

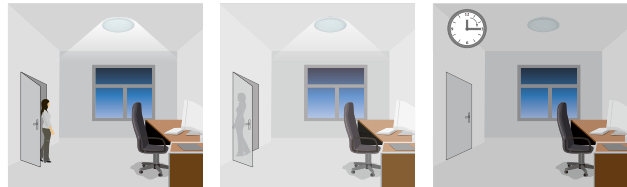
NOTE: Warm up time is 15seconds. After the sensor connects input power first time, the light will keep on 15seconds, then go to dimming to work normally.

NOTE: Factory Default Setting: 100% sensitivity, Hold on time: 5min, Daylight sensor is ☀, Dimming level: 30%, Dimming time: 60minutes.

NOTE: Any setting changed by remote control, the led light that sensor connect will on/off as confirm.

Corridor Function

This function inside the motion sensor to achieve tri-level control, for some areas which require a light change notice before switch-off. The sensor offers 3 levels of light: 100%-->dimmed light (natural light is insufficient) -->off; and 2 periods of selectable waiting time: motion hold-time and stand-by period; Selectable daylight threshold and freedom of detection area.



The sensor switches on the light automatically when presence is detected.

After hold-time, the light dims to stand-by level.

The light keep 10% after stand-by time.

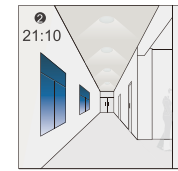
■ Bi-level Microwave Sensor For High Bay Light ANT-5AGC01 Instruction

Daylight Sensor Function

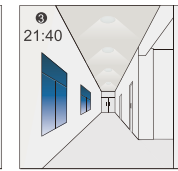
Open the daylight sensor by push when remote control is in setting condition.



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

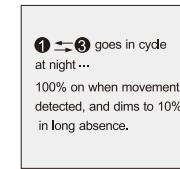


The light dims to stand-by level after the hold-time.



The light remains in dimming level at night.

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 +∞)



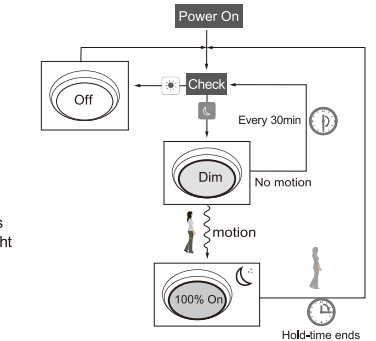
When the natural light level exceeds setpoint off to light, the light will turn off even if when the space is occupied.



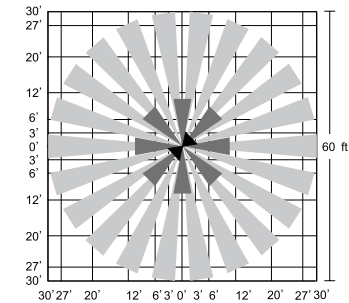
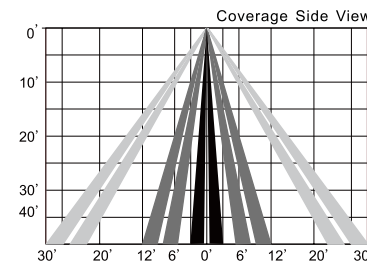
When the natural light level exceeds setpoint off to light, the light will turn off even if when the space is occupied.



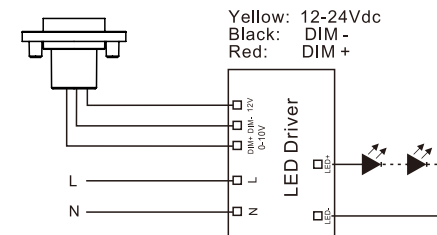
The light automatically turns on at 10% when natural light is insufficient (no motion).



SENSOR COVERAGE



WIRING DIAGRAMS



Yellow: 12-24Vdc
Black: DIM -
Red: DIM +

Cable specifications:
AWM 2464 /22AWG /80°C /300V