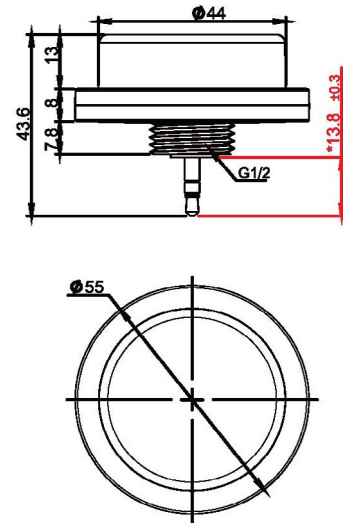




ANT-5-4T (SENSOR)



RC-100 (REMOTE)



## Introduction

The ANT-5-4T motion sensor dims lighting from high to low based on movement. This slim, low-profile sensor installs in the bottom of the fixture body. The sensor uses 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 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.

## TECHNICAL DATA

<b>Power Supply:</b>	12-24V DC, >50mA
<b>Dim Control Output:</b>	0-10V, max. 25mA sinking current
<b>HF System:</b>	5.8GHz±75MHz
<b>Transmission Power:</b>	<0.2mW
<b>Detection Radius:</b>	20%/50%/75%/100%(1-8m)
<b>Mounting Height:</b>	Max 40ft. (12meters)
<b>Time Setting:</b>	10s/1min/5min/10min/15min/20min/30min/60min
<b>Light-Control:</b>	24H/10LUX/30LUX/50LUX
<b>Temperature:</b>	-4°F~ +140°F (-20° C~ +60° C)
<b>IP Rating:</b>	IP65

### WARNING

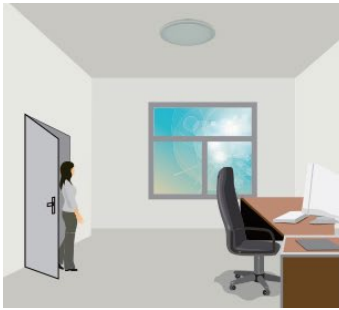
**NOTE:** Warm up time is 15 seconds. After the sensor connects to input power the first time, the light will keep on for 15 seconds, then go to dimming to work normally.

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

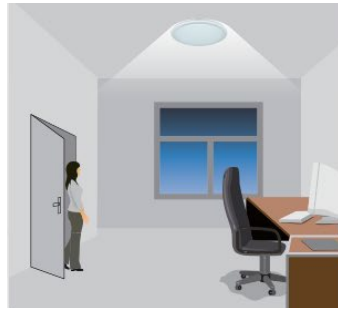
**NOTE:** When any setting is changed by the remote control, the led light for that sensor connect will on/off as confirmation.

### Corridor Function

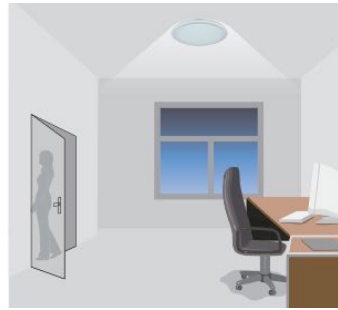
This function inside the motion sensor to achieve tri-level control, for some areas which require a light change notice before switch-off. The sensor offers 3 levels of light: 100%-->dimmed light (natural light is insufficient) -->off; and 2 periods of selectable waiting time: motion hold-time and stand-by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



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  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.

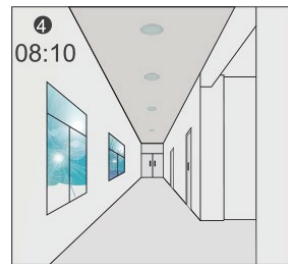


The light remains in dimming level at night.

**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 +∞)

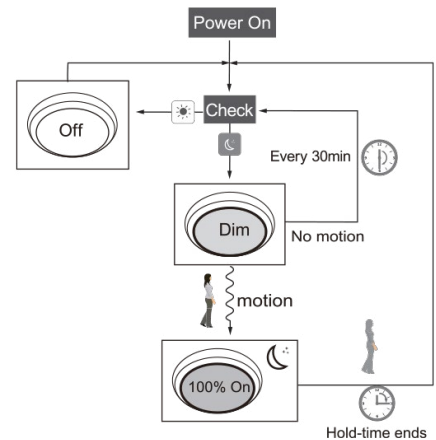
**1** ↔ **3** goes in cycle at night ...  
100% on when movement detected, and dims to 10% in long absence.



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).



# ARC Series

Bi-level Microwave Sensor For High Bay Light Accessory Guide

## Sensor Coverage

