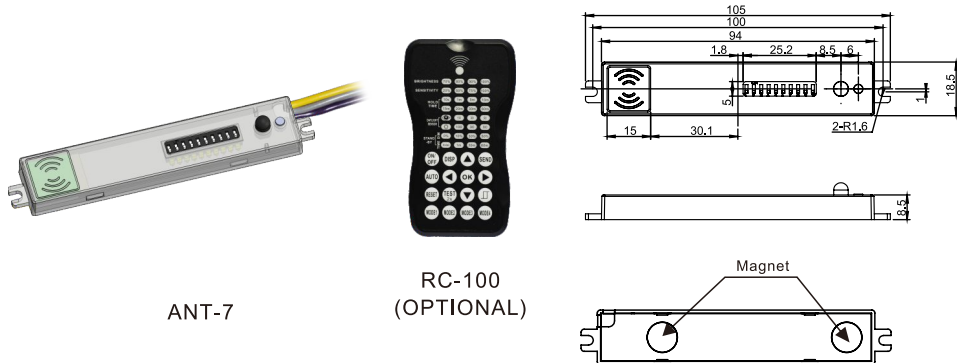


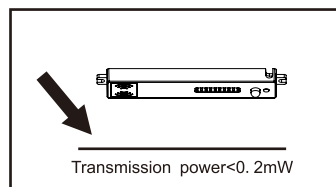
# ■ Bi-level Daylight Harvest Microwave Sensor ANT-7 Instruction



## SPECIFICATIONS

Power supply	12V-24V DC, >50mA
HF System	5.8GHz±75MHz
Dim control output	0-10V, max. 25mA sinking current
Detection radius/angle	Max 17ft.(5.2m)/360°
Mounting height	Max 13ft(4m)
Remote range	50ft. (15m) indoor, no backlight
Humidity	Max. 95% RH
Temperature	-40°F ~ 158°F (-40°C ~ 70°C)

**NOTE:** The high-frequency output of this sensor is <0.2mW-that is just one 5000<sup>th</sup> of the transmission power of a mobile phone or the output of a microwave oven.



## ⚠ 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: 10seconds, Daylight sensor is 30lux, Dimming level:30%,Dimming time: 60minutes.

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

## UTILIZING FIELD AND INTRODUCTION

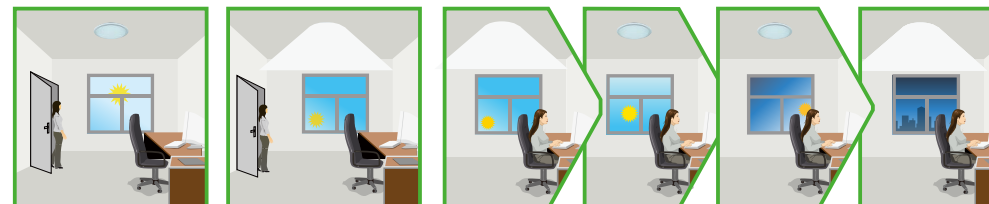
ANT-7 is a moving object sensor that can detect range of 360°and it's working frequency is 5.8GHz. The advantage of this product is stable working state (stable working temperature: -40°C~+70°C), ANT-7 adopts a microwave sensor(high-frequency output <0.2mW),so that it is safe and performs better than infrared sensor.

# ■ Bi-level Daylight Harvest Microwave Sensor ANT-7 Instruction

## FUNCTION AND OPTIONS

The microwave sensor to achieve tri-level dimming control, for same areas that require a light change notice before switch off.

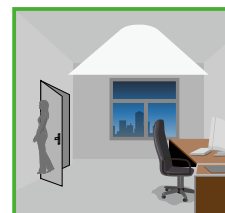
If offers 3 levels of the light Control : 100%--dimming light (0,10%,30%,50%)--off;and 2 periods of selectable waiting time: motion hold-time and stand-by time. Selectable daylight threshold and choice of detection area.



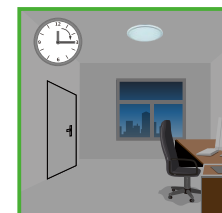
The light will not switch on when natural light is sufficient, even there is motion detected.

The light switches on automatically with presence when natural light is insufficient.

The light turns on at full or dims to maintain the lux level. The light output regulates according to the level of natural light available.

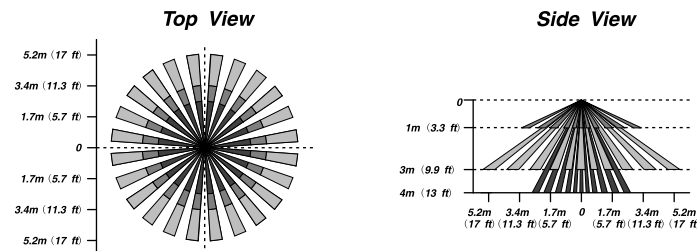


The light dims to stand-by period after hold-time and stays on selected minimum dimming level.



The light switches off completely after the stand-by period.

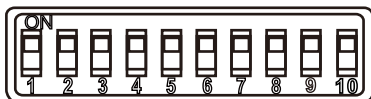
## SENSOR COVERAGE



# ■ Bi-level Daylight Harvest Microwave Sensor ANT-7 Instruction

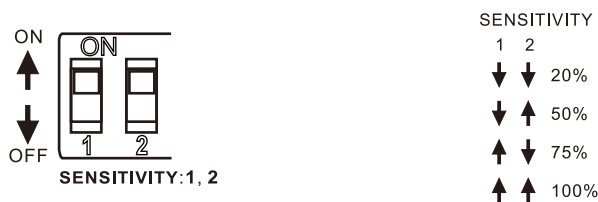
## PARAMETER SETTING BY DIP SWITCH

Consider the picture: 1, 2 set sensitivity; 3, 4 set hold time; 5, 6 set the lux; 7, 8 stand-by light level ; 9, 10 set stand-by time ;



### Detection Range Setting (sensitivity)

Detection range can be reduced by selecting the combination on the DIP switches to fit precisely each application:



### Hold Time Setting

The lamp can be set to stay ON for any period of time between approx. 10sec and a maximum of 15min. Any movement detected before this time elapse will re-start the timer. It is recommended to select the shortest time for adjusting the detection zone and for performing the walk test. Switch location and hold time of the corresponding table is as follows:



### Light-control Setting

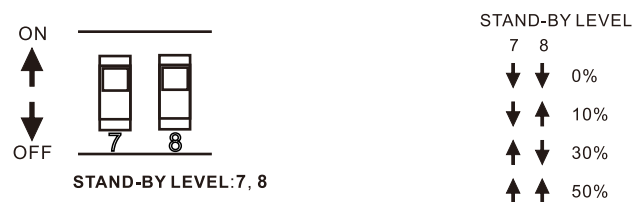
The chosen lamp response threshold can be infinitely from approx. 10-50lux, switch location and light-control of the corresponding table is as follows:



# ■ Bi-level Daylight Harvest Microwave Sensor ANT-7 Instruction

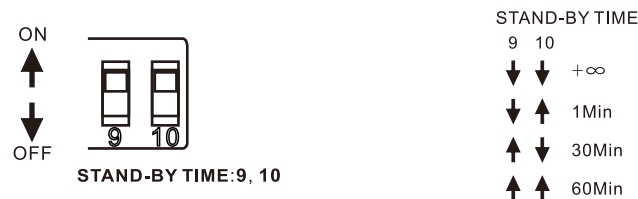
## Stand-by Light Level Setting

The corresponding file of switch location and stand-by level as follow:



## Stand-by Time Setting

The corresponding file of switch location and stand-by time setting as follow:



## PARAMETER SETTING BY REMOTE CONTROL IN MANUAL OF RC-100.

### WIRING DIAGRAMS

ANT-7 wiring with dimming ballast or LED driver.

