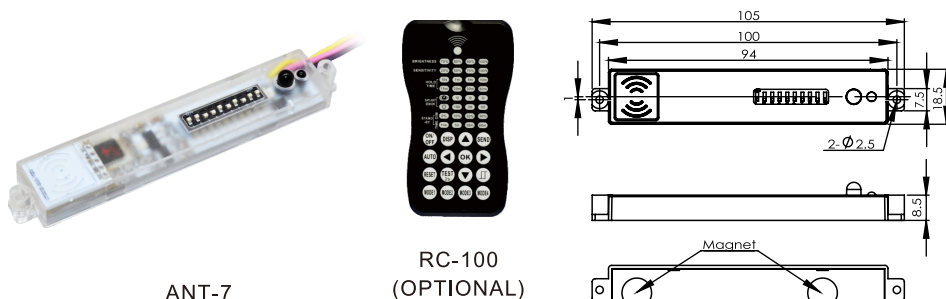


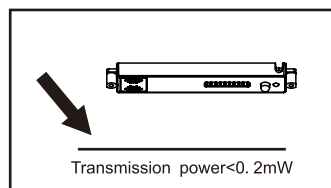
■ Bi-level Daylight Harvest Microwave Sensor ANT-7 Instruction



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 12ft(4m)
Remote range	50ft. (15m) indoor, no backlight
Humidity	Max. 95% RH
Temperature	-40°F ~158°F (-40° ~70°C)

NOTE: The high-frequency output of this sensor is <0.2mW-that is just one 5000th 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: 60minuties.

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

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

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.

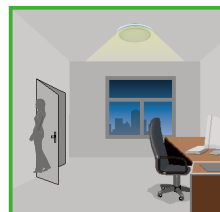
DAYLIGHT HARVESTING FUNCTION (ONLY BY USING RC100 REMOTE CONTROL)

Open the daylight harvesting function only by choosing "👁" button when remote control is in setting condition. Memory and maintain current ambient brightness.

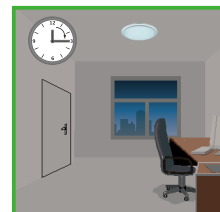


When the natural light is sufficient or dark, movement is detected and the light will turn on 100% brightness.

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.



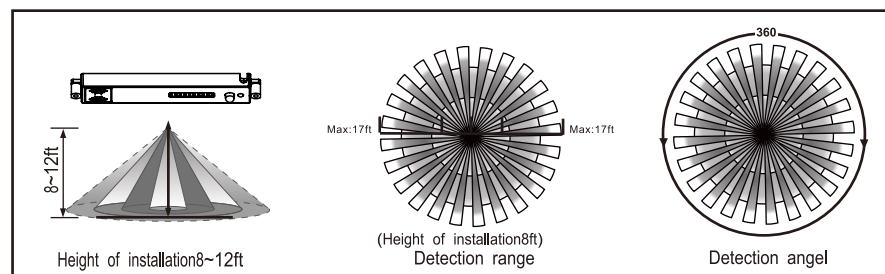
The light dims to stand-by period after hold-time and stays on selected minimum dimming level.



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

Setting on this demonstration:
BRIGHTNESS:100%
SENSITIVITY:100%
HOLD TIME:30MIN
DAYLIGHT SENSOR: 👁
STAND BY DIM: 30%
STAND BY TIME: 1MIN

SENSOR COVERAGE



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

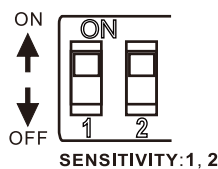
PARAMETER SETTING BY DIP SWITCH

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)

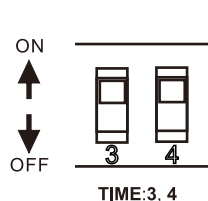
Detection rang can be reduced by selecting the combination on the DiP switches to fit precisely each application:



SENSITIVITY	
1	2
↓ ↓	20%
↓ ↑	50%
↑ ↓	75%
↑ ↑	100%

Hold Time Setting

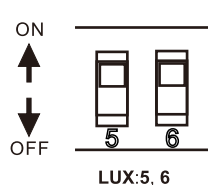
The lamp can be set to stay ON for any period of time between approx. 10sec and a maximum of 15min. Any movement detected before this time elapse will re-start the timer. It is recommended to select the shortest time for adjusting the detection zone and for performing the walk test. Switch location and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



TIME	
3	4
↓ ↓	10S
↓ ↑	1Min
↑ ↓	5Min
↑ ↑	15Min

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:

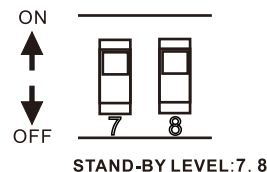


LIGHT	
5	6
↓ ↓	☀ (light sensor disable)
↓ ↑	10Lux
↑ ↓	30Lux
↑ ↑	50Lux

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

Stand-by Light Level Setting

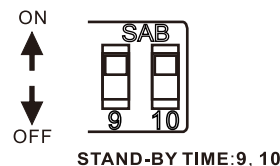
The corresponding file of switch location and stand-by level as follow:



STAND-BY LEVEL	
7	8
↓ ↓	0%
↓ ↑	10%
↑ ↓	30%
↑ ↑	50%

Stand-by Time Setting

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



STAND-BY TIME	
9	10
↓ ↓	+∞
↓ ↑	1Min
↑ ↓	30Min
↑ ↑	60Min

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

WIRING DIAGRAMS

ANT-7 wiring with dimming ballast or LED driver.

