



Line Voltage Microwave Bi-Level Sensor



Description

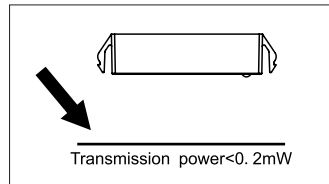
The ANT-3C used for indoor lighting fixtures provides multi-level control with a microwave sensor. It controls 120VAC drivers or dimming ballasts. All control parameters are adjustable via a wireless remote including scene and scenarios. The product is a microwave sensor for indoor installation.

Specifications

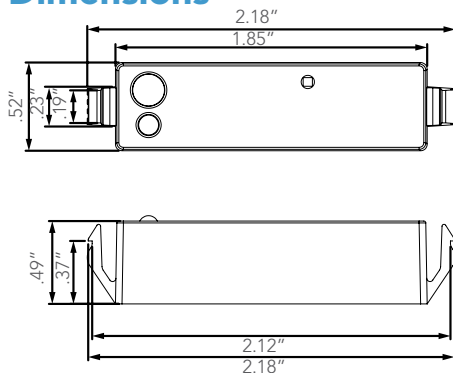
Power Supply:	10-14V DC, .50mA
HF System:	5.8GHz \pm 75MHz
Dim Control Output:	0-10V, max. 25mA sinking current
Detection radius/angle:	Max 12ft. (4m)/360°
Mounting Height:	Max 12ft. (4m)
Remote Range:	50ft. (15m) indoor, no backlight
Humidity:	Max. 95% RH
Temperature:	-40°C~70°C

Note:

The high-frequency output of this sensor is $<0.2\text{mW}$ - that is just 5000th of the transmission power of a mobile phone or the output of a microwave oven.

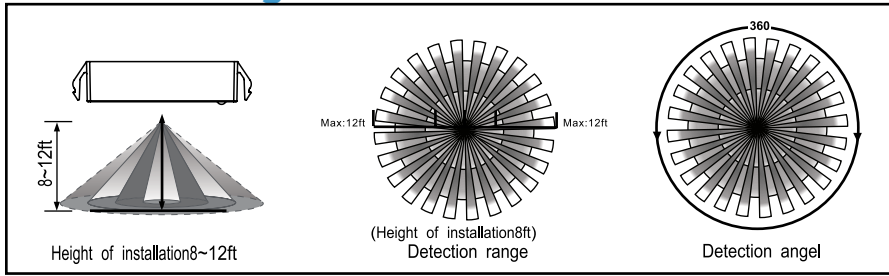


Dimensions





Sensor Coverage



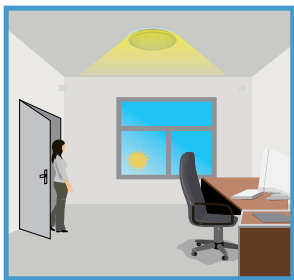
Once Powering the device up, the ANT-3C will use factory default parameters to operate. If adjustments are needed, "RC-100" Wireless IR Configuration tool must be used.

Utilizing Field and Introduction

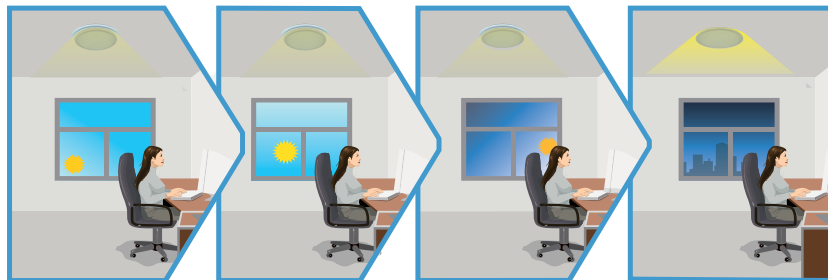
ANT-3C is a moving object sensor that can detect a range of 360° and its working frequency is 5.8GHz. The advantage of this product is stable working state (stable working temperature: -40°C~70°C), ANT-3C adopts a microwave sensor (high-frequency output <0.2mW), so that it is safe and performs better than infrared sensor.

Daylight Harvesting Function (Only by using RC100 Remote Control)

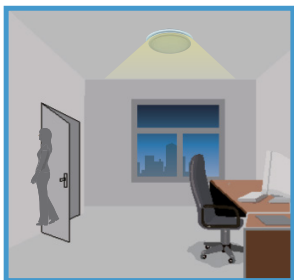
Open the daylight harvesting function only by choosing button when remote control is in setting condition. Memory and maintain current ambient brightness.



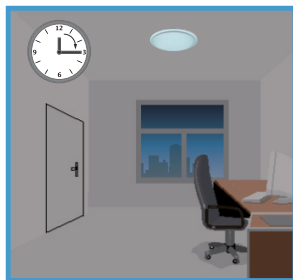
When the natural light is sufficient or dark, movement is detected and the light will turn on 100% brightness.



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 levels.



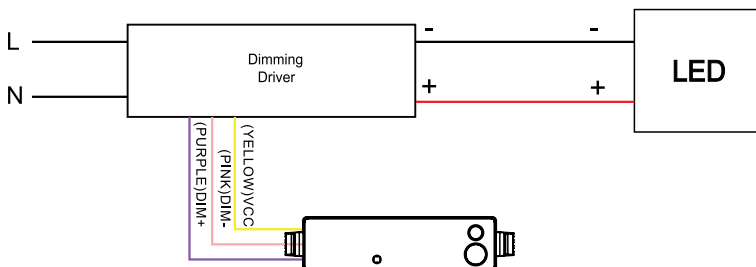
The light switches off completely after the stand-by period

Settings on this demonstration:

- Brightness: 100%
- Sensitivity: 100%
- Hold Time: 30min
- Daylight Sensor:
- Stand By Dim: 30%
- Stand By Time: 1min

Wiring Diagram

Wiring with dimming ballast or LED driver.





Project Name	
Catalog #	
Job Type	
Prepared By	
Notes	

Ordering Information

Part #	Description
ANT-3C	Sharkward 10-14V DC 0-10V Microwave Motion Sensor