



PIR Occupancy Bi-Level & Daylight Harvesting Sensor



Description

The indoor ANT-1P-4T is passive infrared occupancy bi-level sensor, providing daylight harvesting control for 0-10VDC LED drivers or dimming ballasts. All controls parameters (Hold time, task light level, stand-by level, stand-by time) are adjustable via a wireless configuration tool capable of storing.

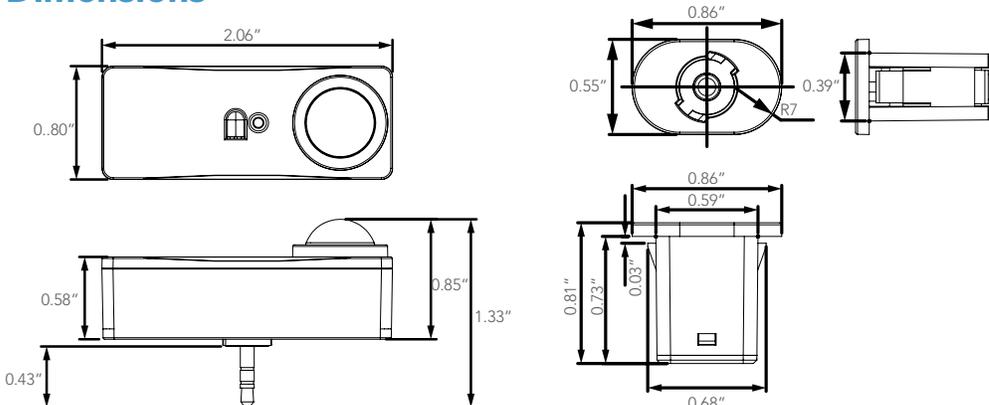
Specifications

Power Supply:	12-24V DC, .50mA
Dim Control Output:	0-10V, max. 25mA sinking current
Mounting Height:	12ft Max
Detection Angle:	360°
Temperature:	-20°C~60°C
IP Rating:	IP20

Warning

- Note:** Warm up time is 40 seconds after the sensor connects input power initially, the light will power on for 40 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: 60 minutes.
- Note:** Any time settings are changed by remote control, the LED light will flash on/off to confirm.

Dimensions





Dimming Function

3 levels of the light control: 100%--dimming light (0%, 10%, 30%, 50%) --off, 2 selectable delayed wait time: motion hold stand-by time, Selectable daylight threshold



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 Harvesting Function (Only by using RC100 Remote Control)

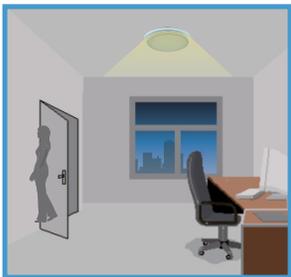
Open the daylight harvesting function only by  button when remote control is in setting condition. Memory and maintain current ambient brightness.



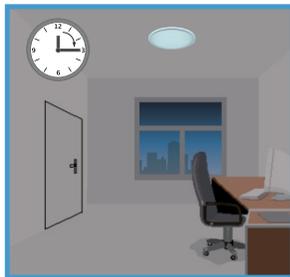
When the natural light is sufficient or dark, movement is detected and the light will turn on 100% brightness.



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.



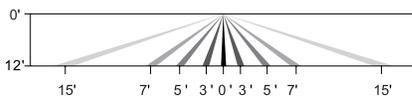
The light switches off completely after the stand-by period

Settings on this demonstration:

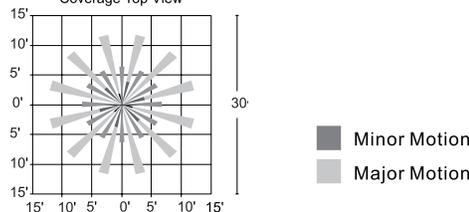
- Brightness: 100%
- Sensitivity: 100%
- Hold Time: 30min
- Daylight Sensor: 
- Stand By Dim: 30%
- Stand By Time: 1min

Coverage Pattern

Coverage Side View



Coverage Top View



Daylight Harvesting Function setting by Remote Control in Manual of RC-100



Project Name	
Catalog #	
Job Type	
Prepared By	
Notes	

Ordering Information

Part #	Description
ANT-1P-4T	Sharkward 12-24V DC 0-10V Plug And Play PIR Sensor