



The BMS-S1P-PIR-DC1-PPM is passive infrared occupancy bi-level sensor, as a fixture sensor mounts in indoor light fixture and provides daylight harvest control. It works by 12-24Vdc power, and controls 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

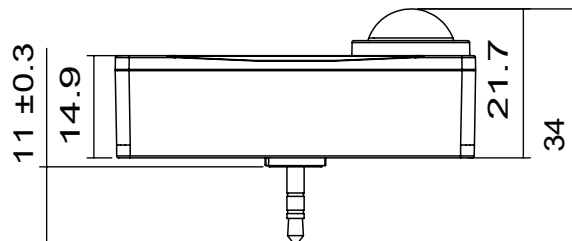
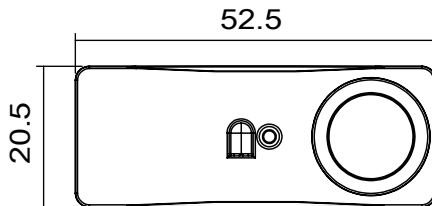
Motion Sensor	Passive Infrared (PIR)
Input Power	10-24VDC, >50mA
Control Output	0-10V, max 25mA sinking current
Mounting Height	12ft Max.
Detection angle	360°
Operating temperature	-4°F ~ +140°F (-20°C ~ +60°C)
Max Bluetooth Range	100ft(30m)
IP Rating	IP20

### ⚠ WARNING

**NOTE:** Warm up time is 40seconds. After the sensor connects input power first time, the light will keep on 40seconds, then go to dimming to work normally.

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

### PHYSICAL DIMENSIONS



### ORDERING INFORMATION

Model No.	Description	Input Voltage	Output	Mount
BMS-S1P-PIR-DC1-PPM	Passive Infrared (PIR) Occupancy Sensor	10-24VDC	0-10V	Plug and Play Mount

### DIMMING 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.



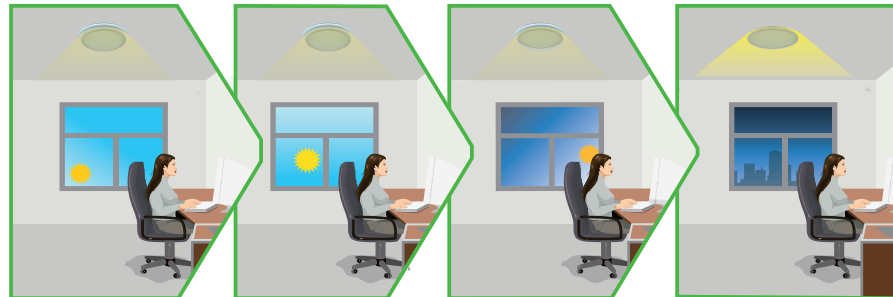
Light switches off automatically after the stand-by period elapses.

### DAYLIGHT HARVESTING FUNCTION ( ONLY BY USING RC100 REMOTE CONTROL )

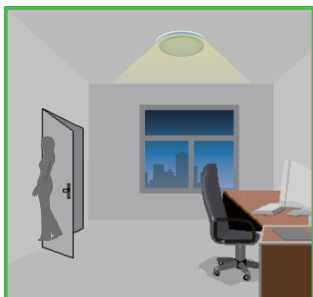
Open the daylight harvesting function only by choosing “👁️” button when remote control is in setting condition. Memory and maintain current ambient brightness.



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%

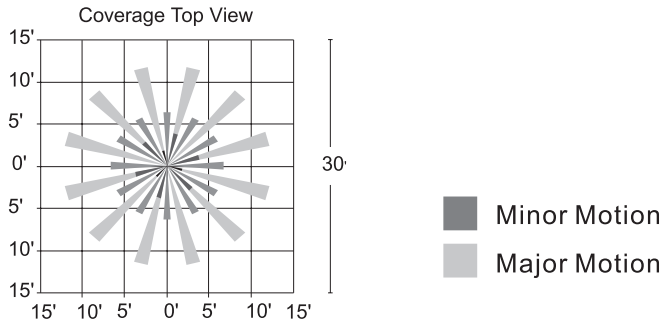
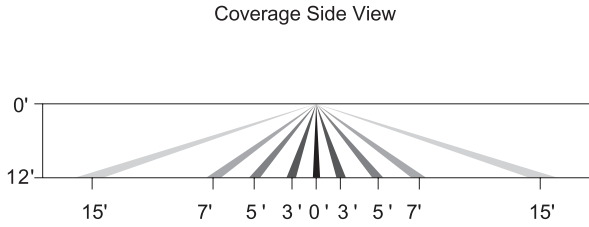
HOLD TIME: 30MIN

DAYLIGHT SENSOR: 👁️

STAND BY DIM: 30%

STAND BY TIME: 1MIN

## COVERAGE PATTERNS



## WARRANTY

Five year limited warranty.

Specifications subject to change without notice.