



BRI819P-B-D



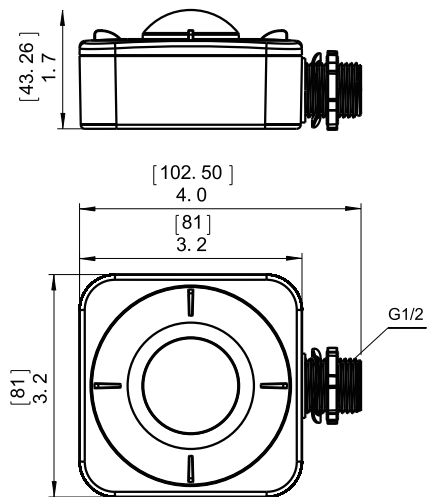
RC-100  
(OPTIONAL)



L1 (Low Bay)  
105W and Below



L2 (High Bay)  
Above 105W



## OVERVIEW

The Bi-Level PIR Motion Sensor (BRI819P-B-D) offers a range of features to save both money and energy. This sensor goes beyond detecting for just movement as the PIR technology detects for radiating heat. It is the perfect, customizable choice for multiple applications and is easy to install. It offers an adjustable detection range, hold time, stand-by time, stand-by light level, and daylight sensor and is equipped with 1 of 2 optimal choice lenses for varying mounting heights.

## SPECIFICATIONS

Power supply	120/277VAC 50/60Hz
Maximum load @ -40°F ~ +167°F (-40°C ~ +75°C)	Resistive/Tungsten - 600W@120V Electronic Ballast - 800W@120V/1200W@277V
Dim control output	0-10V, max. 25mA sinking current
Lens L1	Max. Detection Radius: 30ft   Max. Mounting Height: 25ft
Lens L2	Max. Detection Radius: 30ft   Max. Mounting Height: 40ft
Time setting	10sec.-15min.(adjustable)
Light-control	10-50Lux (adjustable)
Humidity	Max. 95% RH
Temperature	-40°F ~ +167°F (-40°C ~ +75°C)

## ⚠ WARNING

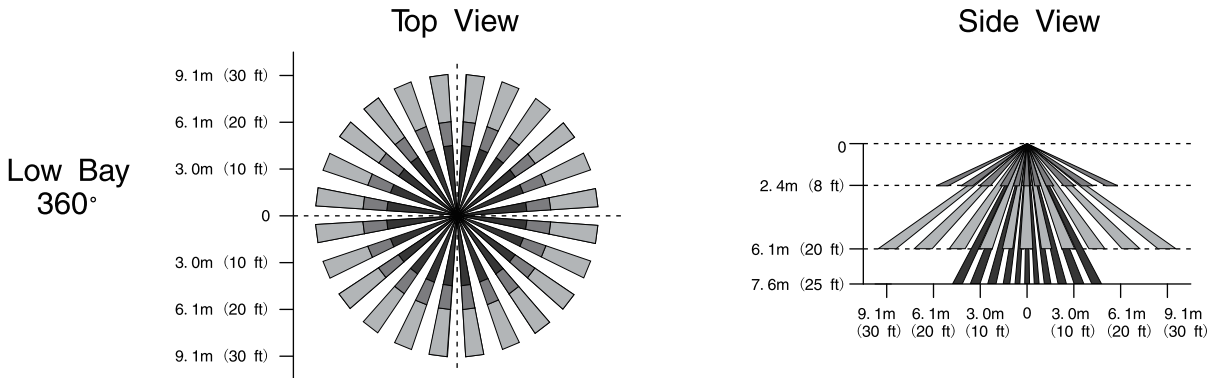
**NOTE:** The warm up time is 40 seconds; after the sensor connects to the input power for the first time, the light will stay on for 40 seconds to warm up and operate normally thereafter.

**NOTE:** Factory Default Settings: 100% Sensitivity, Hold Time: 10 Seconds, Daylight Sensor: 30 Lux, Dimming Level: 30%, & Stand-by Time: 60 minutes

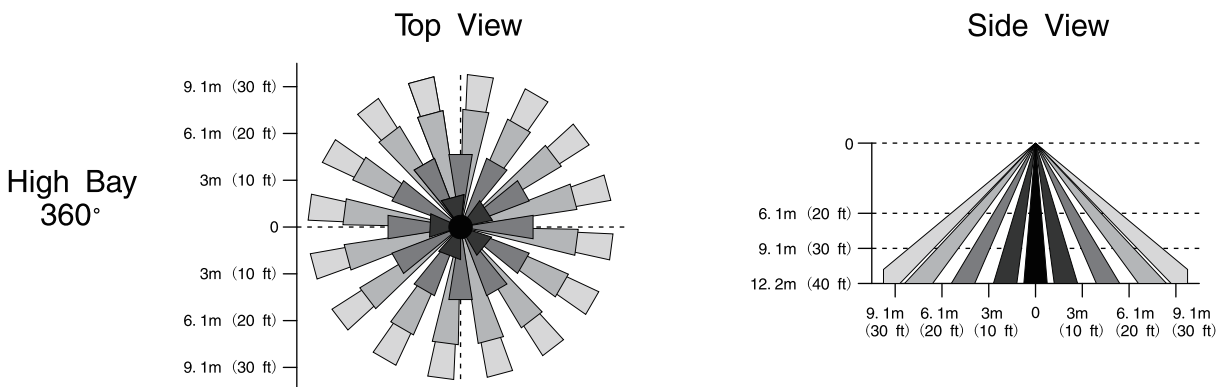
**NOTE:** As adjustments are made to the settings using the DIP switch or remote control, the light will signal confirmation of the change by turning on and off.

### SENSOR INFORMATION

#### L1 Lens



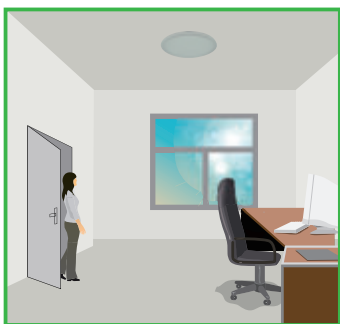
#### L2 Lens



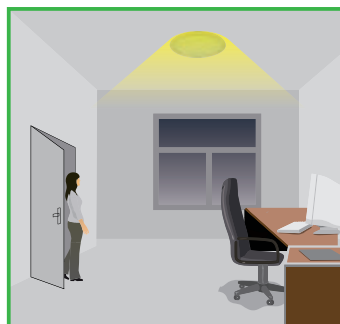
### FUNCTION AND OPTIONS

This sensor utilizes infrared technology to detect for any radiating heat (like body temperature) in order to determine whether or not there is someone nearby, so your light won't turn on for just any motion.

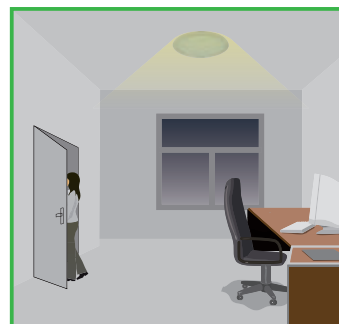
The Bi-Level PIR Motion Sensor provides 3 light levels of ON, dimmed, & OFF, and it offers adjustability in all its features: Motion Detection Range, Daylight Sensor, Hold Time, Stand-By Time, & Stand-By Light Level.



If there is sufficient natural lighting, the light will not turn on even if any presence is detected.



If the natural lighting is insufficient, the sensor will automatically switch the light on when a person enters the room.



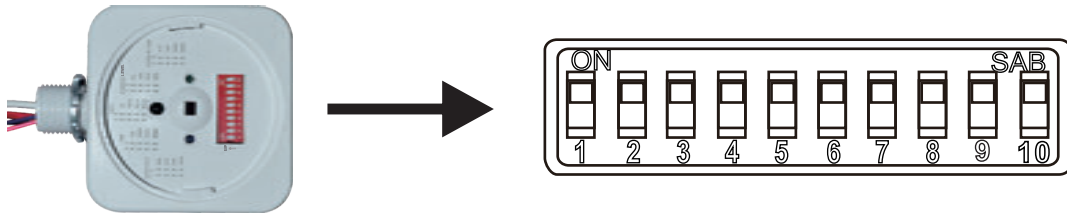
If the Hold Time passes without any motion being detected, the light will switch to an adjustable dimmed light level (Stand-By Level).



If the Stand-By Time passes without any motion being detected, the light will automatically turn off.

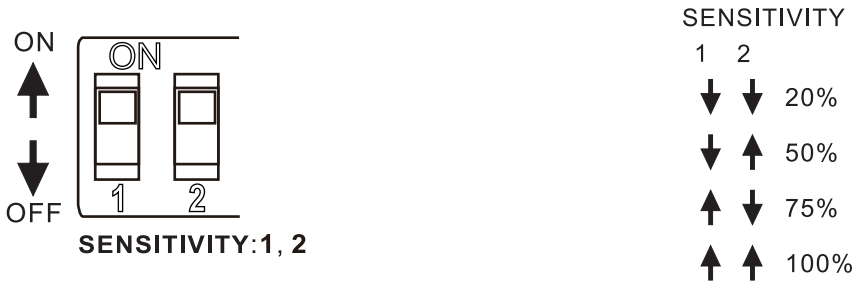
### DIP SWITCH SETTINGS

To access the DIP switch settings, twist the motion sensor lens counter clockwise and remove. Underneath will be 10 DIP switches (as shown below).



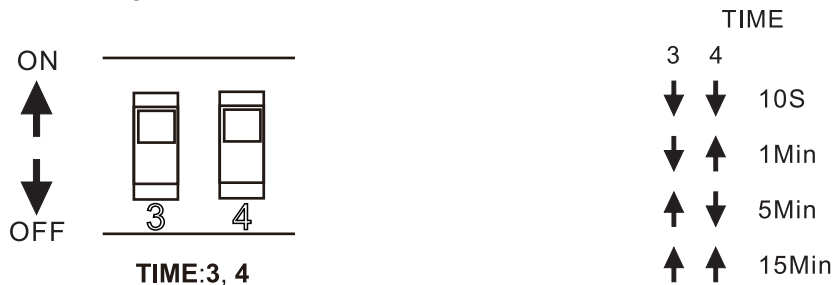
### DETECTION RANGE SETTING (SENSITIVITY)

The detection range can be adjusted using DIP switches 1 & 2 as shown below:



### HOLD TIME SETTING

The Hold Time is the duration a light is set to stay on at 100% after detecting no movement. After the Hold Time has passed without any detected motion, the light will switch to a dimmed state (the Stand-by Period) before turning off until movement is detected once more. This setting can be adjusted using DIP switches 3 & 4 as shown below:



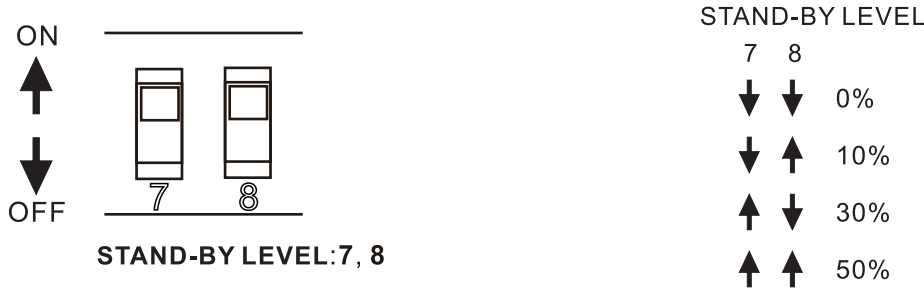
### DAYLIGHT SENSOR SETTING

ONLY use this feature if there is natural lighting near the mounting location. If another light source is bright enough for the space, the Daylight Sensor will detect the ambient lighting and will prevent the light from turning on even if motion is detected. To set the threshold of what is considered not bright enough for your space, you can adjust this setting by using DIP switches 5 & 6 as shown below. Example: If you set the Daylight Sensor to 10 Lux, if the ambient lighting in your space falls below 10 lux AND motion is detected, the light will turn on.



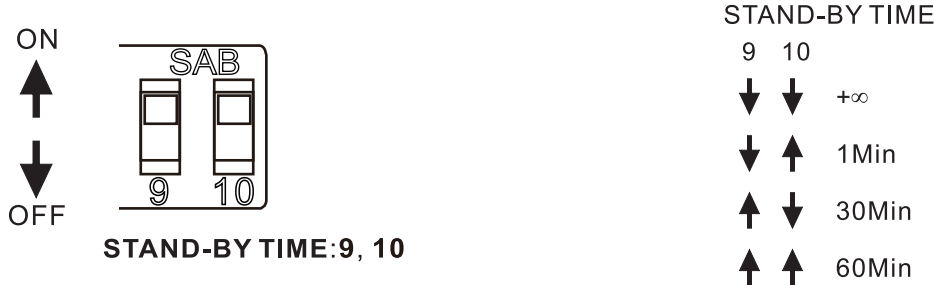
### STAND-BY LIGHT LEVEL SETTING

The Stand-By Light Level is the amount of light shined out during the dimmed light phase (the Stand-By Time). This occurs after Hold Time has pass without any motion detected. To adjust the Stand-By Light Level, use DIP switches 7 & 8 as shown below:



### STAND-BY TIME SETTING

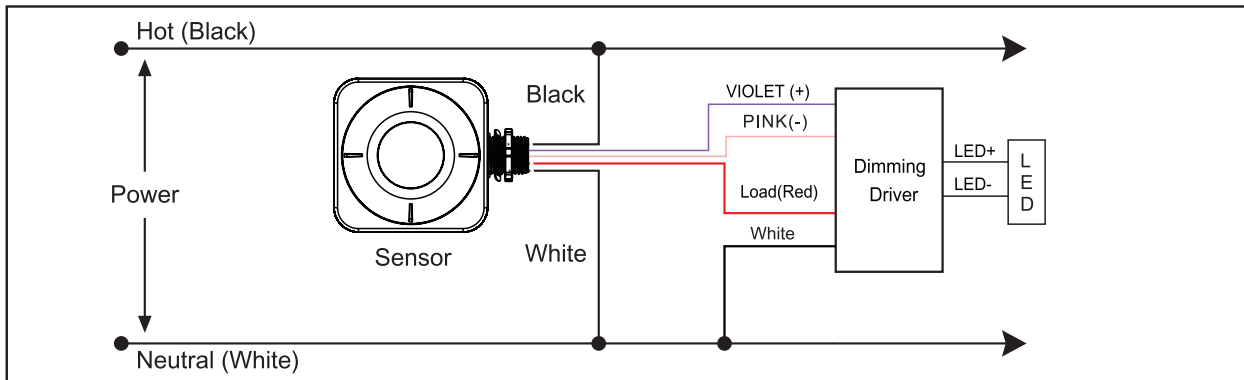
After the Hold Time has passed without any motion detected, the light will switch to the Stand-By Time, a period of dimmed light level. If no motion is detected during this time, the light will turn off, but if motion is detected, the light will swap back to the Hold Time. To adjust this setting, use DIP switches 9 & 10 as shown below:



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

### WIRING DIAGRAMS

#### Dimming Driver



#### Non-Dimming Driver

