

SUBJECT SPECIFICATION SHEET

CHBR-MICSEN

CUSTOMER PROJECT

Project: _____
 Type: _____
 Cat. No.: _____
 Qty: _____
 Date: _____
 EEL Rep: _____

EELighting

Telephone: 905 415 8878 Fax Number: 905 415 8872 Toll Free Telephone: 855 415 8878 Toll Free Fax: 855 415 8872

DESCRIPTION

The CHBR-MICSEN is a motion sensor that dims lighting from high to low based on movement. This slim, low profile sensor is designed for installation inside the bottom of a light fixture body. The sensor plus module connects to the CHBR-MICSEN sensor socket through a 1.30" diameter hole at the bottom of the fixture. The sensor uses microwave sensing technology that reacts to changes in the movement within the coverage area. Once the sensor stops detecting movement and the time delay elapses, light will dim from high to low and eventually turn to an off position if it is desired.

SPECIFICATION FEATURES

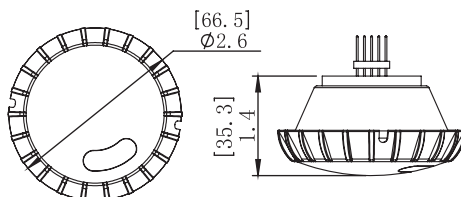
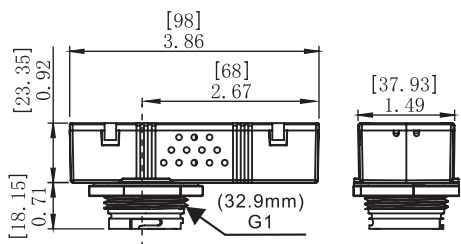
Power supply	120/277VAC 50/60Hz
Maximum load @ -40°F ~ +158°F (-40°C ~ +70°C)	Resistive/Halogen - 800W/1200W@120/277V Fluorescent Ballast - 660W/1200W@120/277V Electronic Ballast (LED/CFL) - 5A/5A@120/277V
HF System	5.8GHz CW
Dim control output	0-10V, max. 25mA sinking current
Detection radius/angle	Max 30ft.(8meters)/360°
Mounting height	Max 50ft.(15meters)
Time setting	10sec.-15min. (adjustable)
Light-control	10-2000Lux (adjustable)
Humidity	Max. 95% RH
Temperature	-40°F ~ +158°F (-40°C ~ +70°C)



CHBR-MICSEN



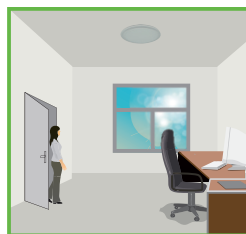
RC1020
(Optional)



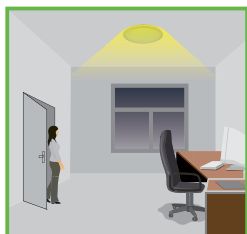
Function and Options

1. Bi-Level Control

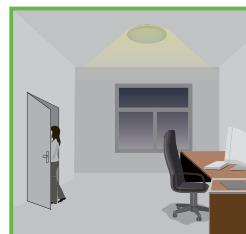
The PIR sensor to achieve tri-level dimming control, for same areas that require a light change notice before switch off. It offers 3 levels of the light control: 100% --- dimming light (0, 10%, 30%, 50%) --- OFF; and 2 periods of selectable waiting time: motion hold-time and stand-by time. Selectable daylight threshold and choice of detection area.



With sufficient natural light, the light does not switch on when presence detected.



With insufficient natural light, the sensor switches on the light automatically when a person enters the room.



Light dims to 0/10%/30%/50% (options) stand-by level after the hold time when person leaves the room.



Light switches off automatically after stand-by time elapsed.

⚠ WARNING

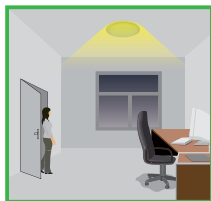
Warm up time is 40 seconds. After the sensor connects input power for the first time, the light will keep on for 40 seconds, then continues to work normally.

2. Photocell (Daylight Sensor) Control

In condition by setting, press **Ⓢ**, the photocell (daylight sensor) on/off setpoint is open. When the light level exceeds this setting, the lights will turn off even when the space is occupied. Once the light level exceeds this setting, the sensor will wait and monitor for 1 minute in order to confirm the light level increase is not temporary before forcing the light to turn off. When light level goes below the setting, the light will turn on even without motion detection after 1 minute. This feature is disabled by default.



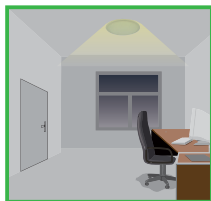
If with insufficient natural light, the light automatically dims to 0/10%/30%/50%



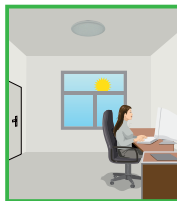
With insufficient natural light, the sensor switches on 100% of the light automatically when person enters the room.



Light dims to 0/10%/30%/50% (options) stand-by level after the hold time when person leaves the room.



The light dims to 0/10%/30%/50% if still insufficient natural light, the light never switches off until the sufficient natural light.

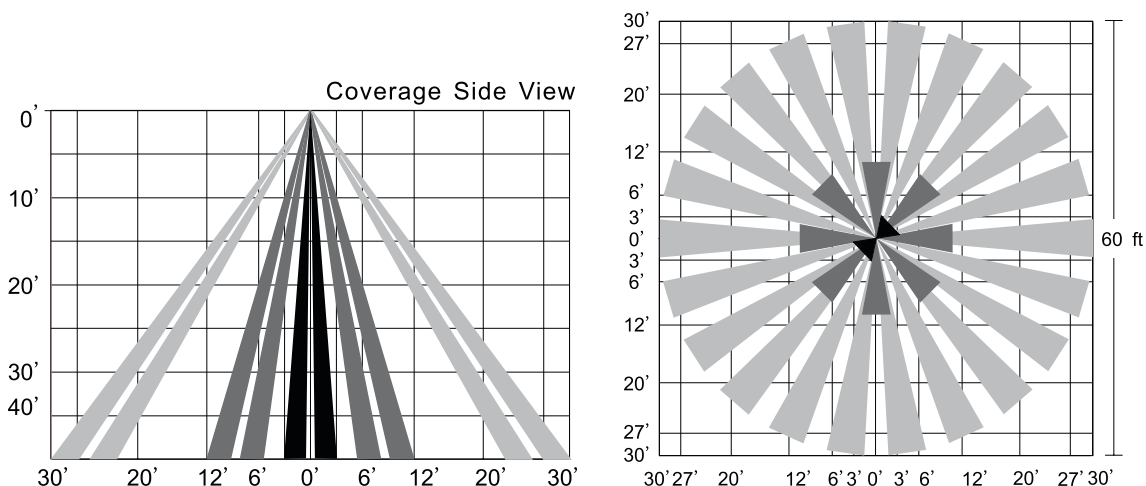


Light will switch off automatically even if person is detected if natural light is sufficient.



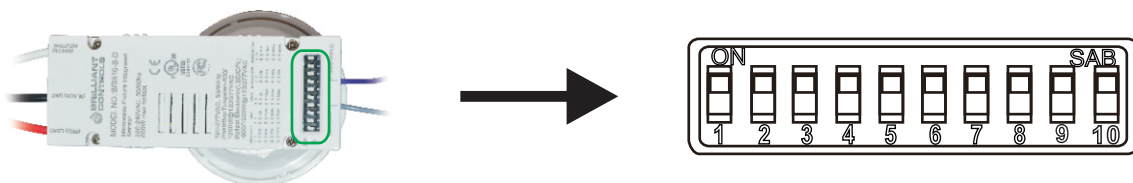
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SENSOR COVERAGE



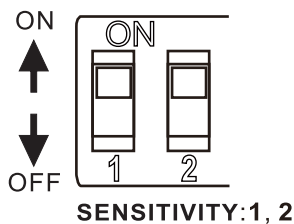
PARAMETER SETTING BY DIP SWITCH

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 range is the term used to describe the radii of the more or less circular detection zone produced on the ground after mounting the sensor light at a height of 40ft, pull switch to the ON position as "↑", pull switch to the OFF position as "↓", switch location and detection range of the corresponding table is as follows:



SENSITIVITY

1	2	
↓	↓	20%
↓	↑	50%
↑	↓	75%
↑	↑	100%



Hold Time Setting

The light 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.
Pull switch to the ON position as "↑", pull switch to the OFF position as "↓", switch location and detection range of the corresponding table is as follows:

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

TIME: 3, 4

Light-control Setting

The chosen light response threshold can be infinitely from approx. 10-50lux, pull switch to the ON position as "↑", pull switch to the OFF position as "↓", switch location and light-control of the corresponding table is as follows:

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

LUX: 5, 6

Stand-by Light Level Setting

Switch to the on is "↑", switch to the off is "↓"; he corresponding file of switch location and detection distance as follow:

ON

↑

↓

OFF

7

8

STAND-BY LEVEL: 7, 8

STAND-BY LEVEL

7 8

↓ ↓ 0%

↓ ↑ 10%

↑ ↓ 30%

↑ ↑ 50%

Stand-by Time Setting

File of switch location and detection distance as follow: file of switch location and detection distance as follow:

ON

↑

↓

OFF

SAB

9

10

STAND-BY TIME:9, 10

STAND-BY TIME

9

10

↓ ↓ + ∞

↓ ↑ 1Min

↑ ↓ 30Min

↑ ↑ 60Min

