

BRI812A



BRI812B



RC-100

INTRODUCTION

The product is a moving object sensor for high bay installation. It's detection range is 50ft,radius is max30ft, and working frequency is 5. 8GHz. The advantage of this product is stable working state (stable working temperature: -15°~+70°C).It offers 4 levels of the light Control : dimming light (0,10%,20%, 30%,optional)--100%--dimming light (0,10%,20%,30%, optional)--off periods of selectable waiting time:motion holdtime, selectable daylight threashold,and freedom of detection ara.

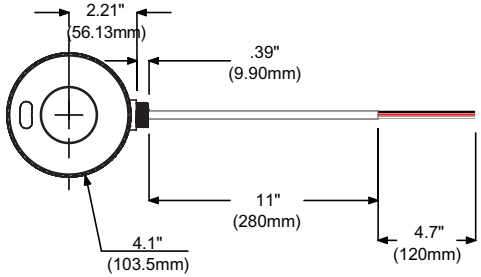
SPECIFICATIONS

Power supply	120/277VAC 50/60Hz
Maximum load @ -40°F ~ 131°F (-40°C ~ 55°C)	Resistive/Halogen - 800W/1200W@120/277V Fluorescent Ballast/CFL - 600W/1200W@120/277V Electronic Ballast (LED) - 600/1200VA@120/277V
HF System	5.8GHz CW
Dim control output	0-10V, max. 25mA sinking current
Detection radius/angle	Max 26.2ft.(8m)/360°
Mounting height	Max 50ft.(15m)
Remote range	33ft. (10m) indoor, no backlight
Time setting	10sec.-30min. (adjustable)
Light-control	10-2000Lux (adjustable)
Humidity	Max. 95% RH
Temperature	-104°F ~ +158°F (-40°C ~ +70°C)

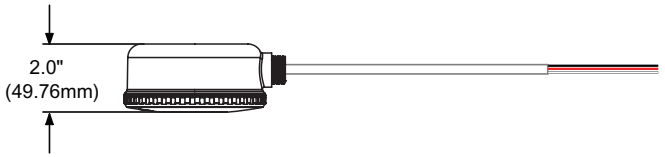
SENSOR´S LED:

1. It always light after switch on power, and be off after the unit enter working state.
2. It flash once when the unit receives sensing signal.

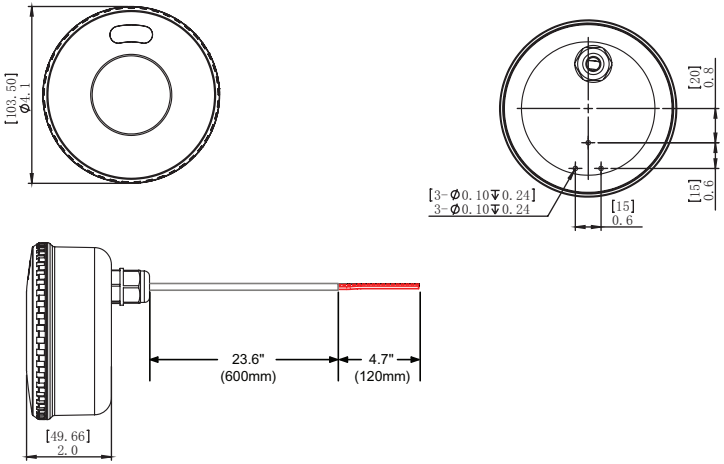
SENSOR´S LED:



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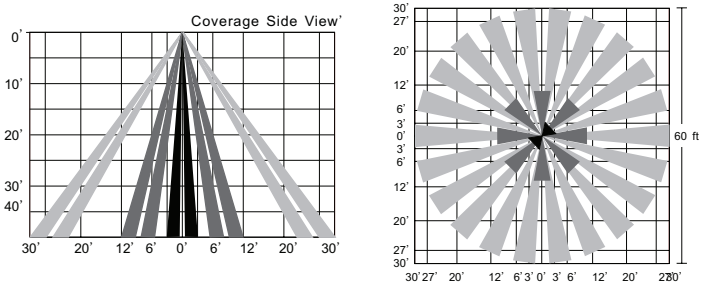


BRI812A-Lxdimensions



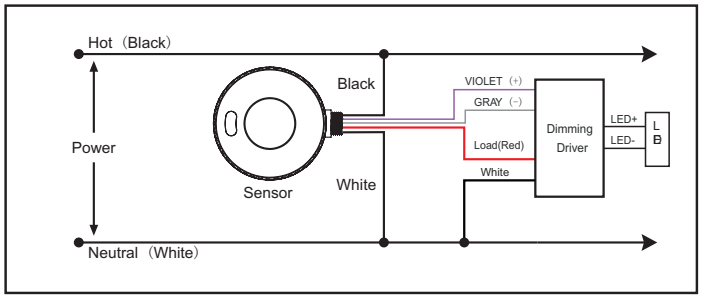
BRI812B-Lxdimensions

SENSOR INFORMATION

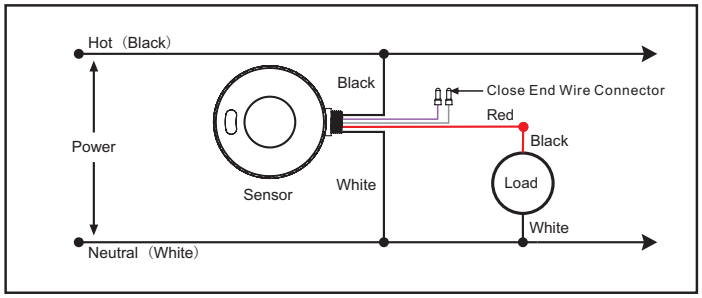


WIRING DIAGRAMS

Dimming Driver



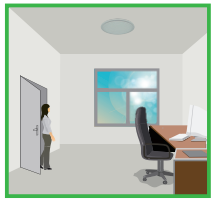
Non-Dimming Driver



FUNCTION AND OPTIONS

If offers 4 levels of the light Control : dimming light(0,10%,20%, 30%)--100%--dimming light (0,10%,20%,30%)--off periods of selectable waiting time:motion holdtime and 24hours, selectable daylight threashold,and freedom of detection ara.

If natral light lower Light-control setting (10Lux,30Lux,50Lux),the light will not automatically on (0,10%,20%,30%). When person enter in the room,the light will on 100%,after person left the room,the room enter in semi bright brightness after hold on time.



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



With insufficient natural light, the sensor switches on the light automatically when person enters the (options) standby level after the room.The lamp never switch off with presence, even the nature light is sufficient.



People left, light still dims to 0/10%/20%/30% (options) standby level after the hold time.

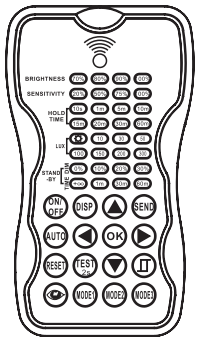


Light switches off automatically after the dimming time elapsed.

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OPERATION

SETTING BY REMOTE CONTROL



ON/OFF	Permanent on or permanent off mode	DISP	DISPLAY Current Settings
SEND	The selected parameters go to SEND	AUTO	Back to previous settings before on/off model
RESET	100% 5m 100% 20% +∞	TEST 2S	In test mode,hold time is only 2s,daylight sensor is disable.
▲ ▼	Enter in Adjustable Control Navigate for UP and DOWN	OK	Confirm settings
◀ ▶	Navigate for Right and Left		Photocell On/Off,when the light level exceeds this setting, the lights will turn off even when the space is occupied. When light level goes below the setting,the lights will turn on.
	The lastest surrounding lux value learned pervious lux		
MODE1 MODE2 MODE3	To Save these New Setting as Mode 1 Mode 2 Model 3		

FCC STATEMENT

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference.
(2) This device must accept any interference received, including interference that may cause undesired operation.
2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver.Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.Consult the dealer or an experienced radio/TV technician for help.