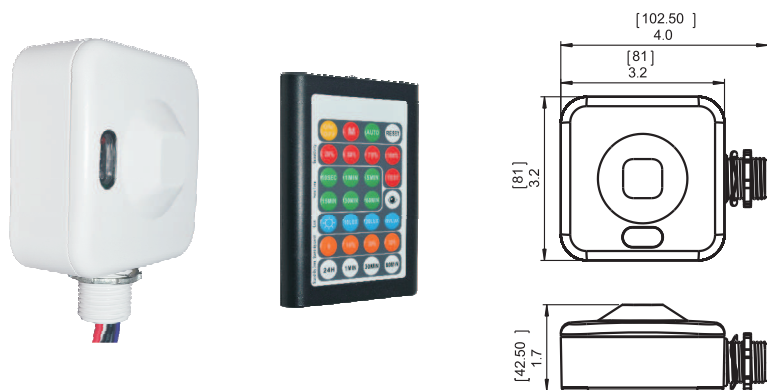


■ Photoelectric And Microwave Motion Sensor Switches BRI819 Instruction



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 threshold,and freedom of detection ara.

SPECIFICATIONS

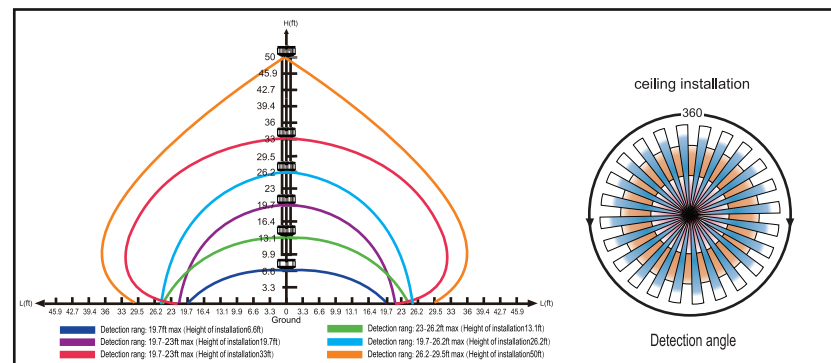
Power supply	120-277VAC 50/60Hz
Maximum load @ -40°F ~ 131°F (-40°C ~ 55°C)	Resistive/Halogen - 800W/1200W@120/277V Fluorescent Ballast/CFL - 600W/1200W@120/277V Electronic Ballast (LED) - 600/1200VA@120/277V
HF System	5.8GHz CW
Dim control output	0-10V, max. 25mA sinking current
Detection radius/angle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

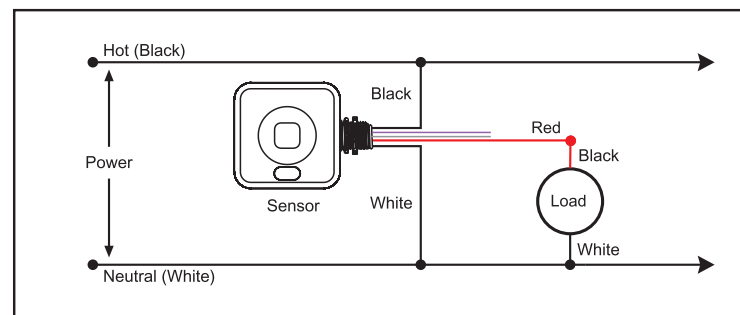
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SENSOR INFORMATION

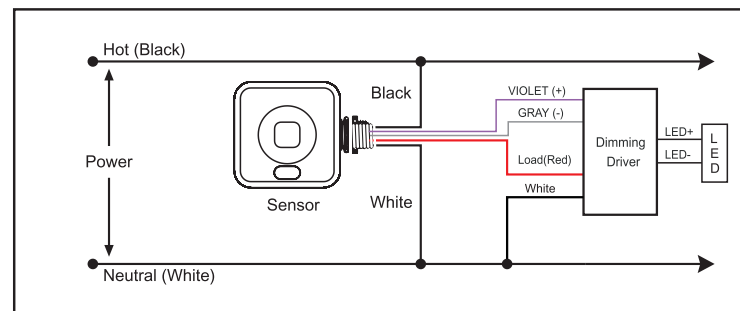


WIRING DIAGRAMS

Non-Dimming Driver



Dimming Driver

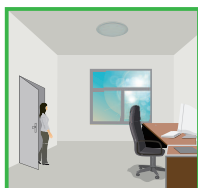


■ Photoelectric And Microwave Motion Sensor Switches BRI819 Instruction

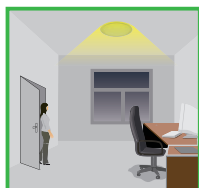
FUNCTION AND OPTIONS

It offers 4 levels of the light control:dimmed light (10%, 20%, 30% optional)-->100%-->dimmed light (10%, 20%, 30% optional)-->off periods of selectable waiting time:motion holdtime and 24 hours, selectable daylight threshold, and freedom of detection area.

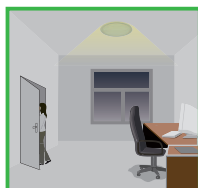
if natral light lower light-control setting(10Lux,30Lux,50Lux),the light will not automatically on (10%,20%,30%).When person enter in the room,thelight will on 100%,after person left the room, the room enter in semi bright brightness after hold on time.



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 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.

OPERATION

SETTING BY REMOTE CONTROL

		Press the on/off button,the light goes to permanent or permanent off mode,sensor is disabled.		This button test 2s is for testing purpose only,the sensor goes to test mode(hold time 2s) automatically after commissioning, meanwhile the stand-by period and daylight sensor are disabled.
		Memory the paraments		
		Press auto mode button,the sensor starts to work and all settings remain the same as the latest status before the light was switched on/off.		One touch button, the default is 75% 10SEC 10MIN 20% 24H
		Sensitivity		Hold-time
		Press this button,the latest surrounding lux value overwrites previous lux value learned,and is set as the daylight threshold. This fature enables the fixture to function well in any real application circumstance.		Press the buttons of the daylight sensor to set daylight threshold at 10lux/30lux/50lux/☀ (for daylight sensor disabled).
		Stand-by dimming level		Stand-by period(note:24H is never off)

Operration tips:

1.ON/OFF MODE: Press this button,the light permanent on/off.

2.RESET MODE(ONE TOUCH MODE)

Reset mode is default set: 75% 10SEC 20% 24H .

■ Photoelectric And Microwave Motion Sensor Switches BRI819 Instruction

3.AUTO MODE:Press Auto mode button,the sensor starts to work and all paraments remain the same as latest paraments before you push ON/OFF mode,Rest Mode, M mode. And you can adjust the paraments in auto mode.

For example: set the parament(sensitivity 50%,hold time 10seconds, lux ,dimming level 20%,dimming time 1min)

①step : push the auto button,led will flash 1 time as confirm.

②step : push the sensitivity 50% ,led LED light will flash 1 time and Led light off as confirm.

③step : push hold time 10seconds, led LED light will flash 1 time and Led light off as confirm.

④step : push lux , led LED light will flash 1 time and Led light off as confirm.

⑤step : dimming level 20%,led LED light will flash 1 time and Led light off as confirm.

⑥step : dimming time 1min,led LED light will flash 1 time and Led light off as confirm.

⑦step : you move, make the led light on, do not move within 10sec,the led light from 100% to 20%.

Note 1 : if the light can't from 100% to 20%,maybe you move within 10sec or sensitivity is too high.

Note 2 : push any button,the led light will flash 1 time and off as confirm.

4.M MODE:

For example: set the parament(sensitivity 50%,hold time 10seconds, lux ,dimming level 20%,dimming time 1min).

1). Clear the memory:Firstly,to check M button keep records of paraments before.if push the M button,the led flash, there are the paraments recorded in M button. if the led no flash, there is no the paramet recorded in M button.

How to clear the memory? push the M button 3 seconds till led light flash all the time.

How to confirm clear the memory of not? Push the M button,the led light no flash. If led light flash, the remote control still keep the memory.

2). Record the memory: push the M button 3 seconds till led light on .

2-1step: push the auto button, led will flash 1 time as confirm.

2-2step: push the sensitivity 50%, led will flash 1 time as confirm.

2-3step: push hold time 10seconds, led will flash 1 time as confirm.

2-4step: push lux , led will flash 1 time as confirm.

2-5step: dimming level 20%, led will flash 1 time as confirm.

2-6step: dimming time 1min, led will flash 1 time as confirm.

2-7step: push the M button, record the memory (note: Step 7 is keep the memory to remote control. If you want to this light have above the memory,you should push M again as Step 8).

2-8step: if you need this light sensor parament is (sensitivity 50%,hold time 10seconds, lux 10lux,dimming level 20%, dimming time 1min), just push the M button again.

If you want anther light sensor are same paraments as this one,just push the M button to anther light.

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.