

■ Bi-Level Microwave Sensor For High Bay



INTRODUCTION

The WEC-3MR-48 is an outdoor lighting fixture and provides multi-level control based on motion and/or daylight contribution. It controls 0-10 VDC LED drivers or dimming ballasts, and is rated for wet and cold locations.

All control parameters are adjustable via a wireless configuration tool capable of storing and transmitting sensor profiles.

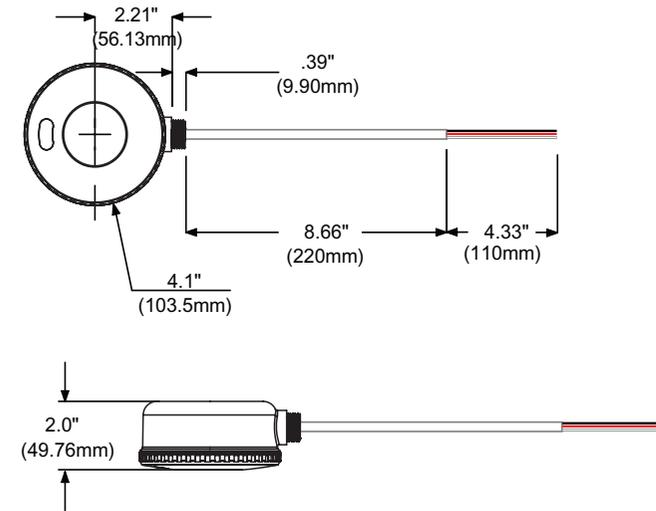
SPECIFICATIONS

| | |
|---|--|
| Power supply | 120/277VAC 50/60Hz |
| Maximum load @ -40°F ~ +158°F (-40°C ~ +70°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 | -40°F ~ +158°F (-40°C ~ +70°C) |

Once powering the device up, the BRI812A/BRI812B will use factory default parameters to operate. If adjustments are needed, "RC-100" Wireless IR Configuration tool must be used.

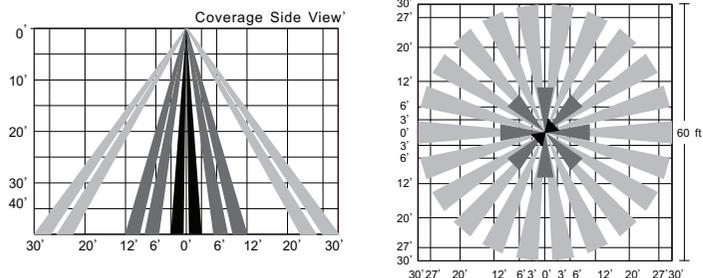
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DIMENSIONS



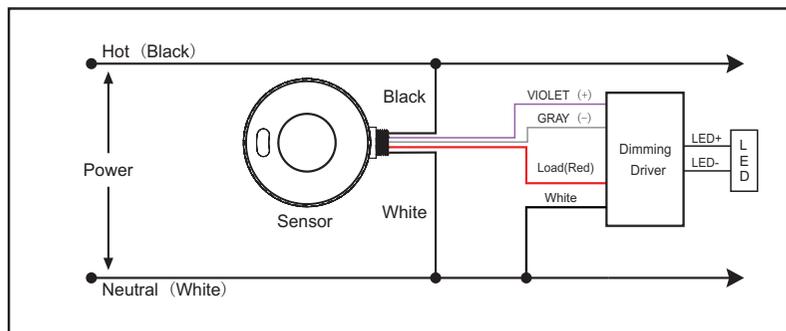
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SENSOR COVERAGE

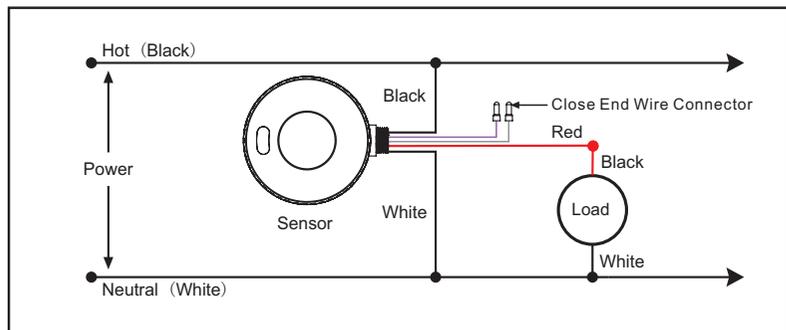


WIRING DIAGRAMS

Dimming Driver



Non-Dimming Driver



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| KEY | FUNCTION | KEY | FUNCTION |
|---------------|--|-----|---|
| | Press the on/off button, the light goes to permanent on or permanent off mode, the sensor is locked, MUST Press "AUTO" to quit from this mode. | | Press "Auto" button, the sensors starts to work automatically and all parameters remains the same as the latest status in auto mode. |
| | Display current parameters | | The button "Test" is for testing purpose sensitivity only, the sensor goes to test mode (hold time is only 2s) automatically after commissioning, meanwhile the stand-by period and daylight sensor are disabled. Press "AUTO" to quit from this mode. |
| | upload the selected parameters to sensors | | 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 mins in order to confirm the light level increase is not temporary before forcing the lights to go off. When light level goes below the settings, the light will turn on even without motion detection after 1min. This feature is disabled by default. If want to open this setting, just press , choose daylight sensor setpoint on/off. |
| | Enter in the setting condition and navigate to UP and Down | | |
| | Navigate to Right and Left | | |
| | Confirm selected parameters and saving | | |
| | Default settings: | | Four modes with existing parameters which are available to be updated and saved in Modes |
| BRIGHTNESS | Adjust the light brightness during hold time. | | Select , threshold for sensor to turn light fixture ON. Select , current surrounding lux value as daylight lux threshold, select , the built-in daylight sensor stops working, and all motions detected could turn the light fixture on, no matter how bright the natural light is. |
| SENSITIVITY | Adjust sensor sensitivity | | |
| HOLD TIME | The time of light fixture remains at programmed 70%/80%/100% level after motion is not detected | | Select the stand-by dimming level at 0%/10%/30%/50%; Note: "0%" means on/off control; |
| STAND-BY TIME | Select stand-by period at 1min/30min / 60min/+∞; Note: "+∞" means bi-level dimming control, fixture never switches off. | | |

