

SPECIFICATION

The low profile BRI-DT301-BLE-GE dual technology occupancy sensor combines the benefits of passive infrared (PIR) and ultrasonic technologies. The sensor mounts on the ceiling with a flat, unobtrusive appearance and provides 360 degrees of coverage.

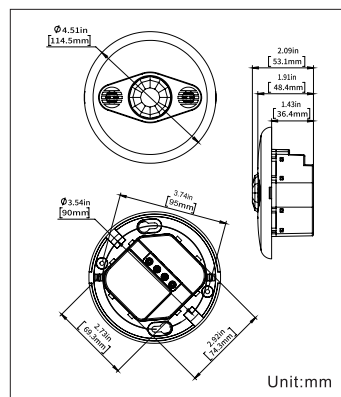
OVERVIEW

- PIR & Ultrasonic sensor.
- Bluetooth® SIG mesh.
- LED Motion indicator.
- Mounting height up to 12ft.
- 360° coverage pattern.



FEATURES AND BENEFITS

- Bluetooth to ON/OFF signal converter, Bluetooth® mesh network.
- Mesh network, which has a much longer control distance, transmits received signals to neighboring devices.
- In typical outdoor environment, the typical range for wireless communication is 150ft(40m).
- Actual range is dependent on field installation.
- Available with button reset(press the button of sensor for 5 seconds).
- On-board antenna.

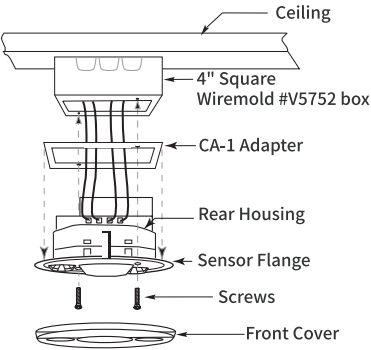


TECHNICAL DATA

- 120/230 (single phase)/277/347 VAC, 50/60 Hz
- @120VAC, 800W Ballast/LED/Tungsten
- @230VAC, 1200W Ballast/LED/Tungsten
- @277VAC, 1200W Ballast/LED/Tungsten
- @347VAC, 1500W Ballast/LED/Tungsten
- Ultrasonic frequency of 40kHz
- Time delays: 5,10,15,20,25, or 30minutes, test-mode
- Sensitivity adjustment: High/low (for PIR sensitivity); ultrasonic sensitivity is variable with trimpot
- Built-in light level sensor – works from 10 to 300 footcandles (107.6 to 3,229.2 lux)
- Operating Temperature: 32°F to +131°F (0°C to +55°C)
- Multi-level, 360° Fresnel lens for superior occupancy detection
- Mounting options: 4 square junction box with double gang mudring; 4 inch octagonal junction box
- Dimensions: 4.50" diameter x 1.44" deep (114.5mm x 36.4mm)
- UL and cUL listed
- Wireless Standards: 5.0 Bluetooth Mesh
- Five year warranty

CEILING MOUNTING

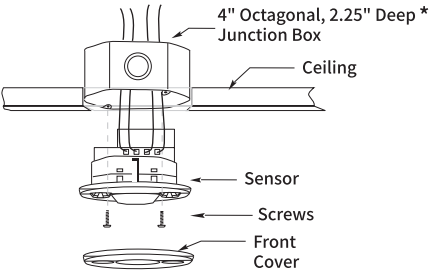
Using a 4-Inch Square Junction Box



Mounting to a 4" Square Wiremold V5752 box or 4" Square Junction Box with Double-Gang Mudring

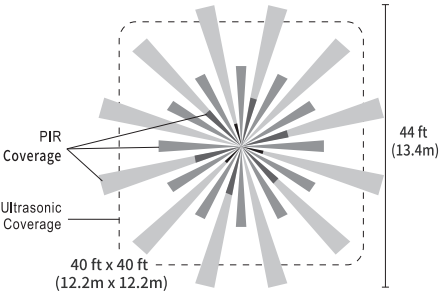
Using an Octagonal Junction Box

* The Junction Box must be at least 2.25" deep. If it is not, an extension ring is required.

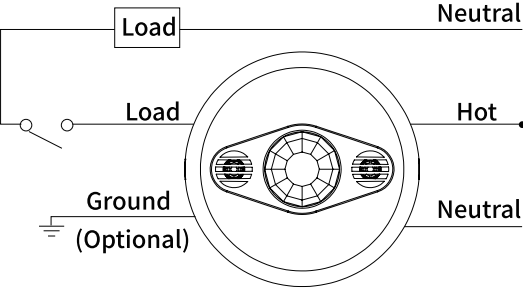


Mounting to an Octagonal Junction Box

COVERAGE PATTERNS



WIRING



OCCUPANCY LOGIC

The BRI-DT301-BLE-GE has 4 logic configurations for occupancy triggers, set with DIP switches 1, 2 & 3. Determine the appropriate Occupancy Logic Option using the Trigger matrix, then set the DIP switches accordingly.

Initial Occupancy: The method that activates a change from "Standby" (area unoccupied and loads are off) to "Occupied" (area occupied and loads are on).

- **Both** requires motion detection by the PIR and the Ultrasonic.
- **Either** requires motion detection by only one technology.
- **PIR** requires motion detection by the PIR.
- **Ultra** requires motion detection by the Ultrasonic.

Maintain Occupancy: The method indicating that the area is still occupied and the lights should remain on.

The control technology (occupancy logic) is selectable. The default setting requires both technologies to trigger on, either to hold on, and is recommended for most applications.

Settings		1	2	3
Occupancy Logic	Standard	↓	↓	↓
	Option 1	↑	↑	↓
	Option 2	↓	↑	↓
	Option 3	↓	↑	↑
	Standard	↑	↑	↓
	Standard	↑	↓	↑
	Standard	↓	↑	↑
	Standard	↑	↑	↑

Trigger		Initial Occupancy	
Occupancy Logic	Standard	Both	
	Option 1	UT	
	Option 2	Either	
	Option 3	PIR	

Occupancy Logic

ON

OFF

1 2 3 4 5 6 7 8

NC

ORDERING INFORMATION

BRI-DT301-BLE-GE

Bluetooth® Dual Technology Occupancy Sensor