

SPECIFICATION

The low profile BRI-DT301-BLE-SR4 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.

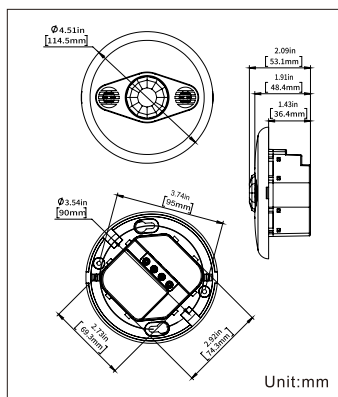


OVERVIEW

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

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) and remote reset(press "RESET"+" ON/OFF" buttons in sequence).
- On-board antenna.

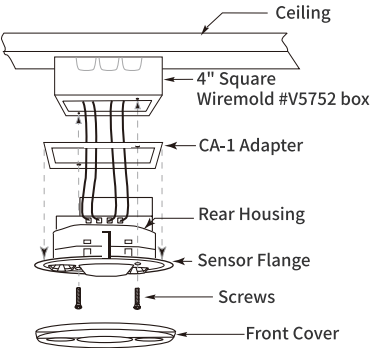


TECHNICAL DATA

- 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 tripot
- 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

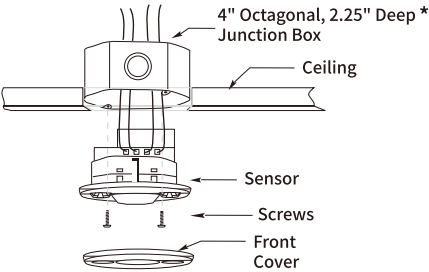
Using a 4-Inch Square Junction Box



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

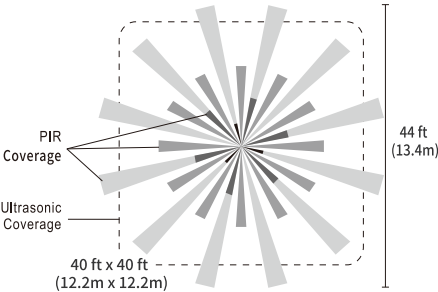
Using an Octagonal Junction Box

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

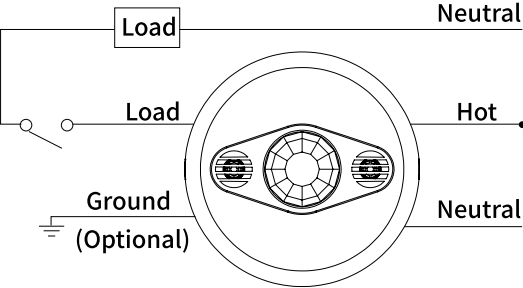


Mounting to an Octagonal Junction Box

COVERAGE PATTERNS



WIRING



OCCUPANCY LOGIC

The BRI-DT301-BLE-SR 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.

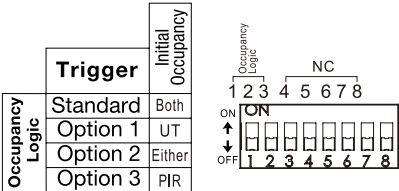
Initial Occupancy: The method that activates a change from "Standby" (area unoccupied and loads are off) to "Occupied" (area occupied and loads are on).

- **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.

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



ORDERING INFORMATION

BRI-DT301-BLE-SR4

Warning:

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE:

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Statement:

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.

The equipment complies with FCC Radiation exposure limit set forth for uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

ISED Statement:

This device complies with Part 15 of FCC Rules [and contains license-exempt transmitter(s) that comply with innovation, Science and Economic Development Canada's licence-exempt RSS Standard(s)]. Operation is subject to the following two conditions:

- (1) This device may not cause interference; and
- (2) This device must accept any interference received, including interference that may cause undesired operation

The digital apparatus complies with Canadian CAN ICES 3 (B)/NMB 3(B).

This device meets the exemption from the routine evaluation limits in section 6.3 of RSS 102 and compliance with RSS 102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment.

French: L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

L'appareil numérique du ciem conforme canadien peut 3 (b) / nmb 3 (b).

cet appareil est conforme à l'exemption des limites d'évaluation courante dans la section 6.3 du cnr - 102 et conformité avec rss 102 de l'exposition aux rf, les utilisateurs peuvent obtenir des données canadiennes sur l'exposition aux champs rf et la conformité.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Cet équipement est conforme Canada limites d'exposition aux radiations dans un environnement non contrôlé.

Cet équipement doit être installé et utilisé à une distance minimale de 20 cm entre le radiateur et votre corps.