

Keilton + autani

CS107D Series

Line Voltage Dual-Tech Ceiling Sensor



CS107D.B1/B2



CS107D.D1/D2

Description

The CS107D is a line-voltage, Bluetooth dual-tech occupancy sensor that combines PIR and ultrasonic technologies to provide high accuracy and wide coverage. It also features integrated daylight harvesting. Commissioning via the Keilton+autani app allows the sensor to turn a load on and hold it on if either or both technologies detect movement. The CS107D works seamlessly together with other wireless devices in the Keilton+autani system.

Features

Common Features (All Models):

- 120–277 V AC input
- Daylight Harvesting
- Dual-Tech PIR + Ultrasonic technology provides high accuracy and wide coverage
- Wireless Bluetooth® connection to other Keilton+autani devices

CS107D.B1 and CS107D.D1:

- Dual-channel dimming for color tuning (CCT)

CS107D.B2 and CS107D.D2:

- Single-channel dimming only

Specifications

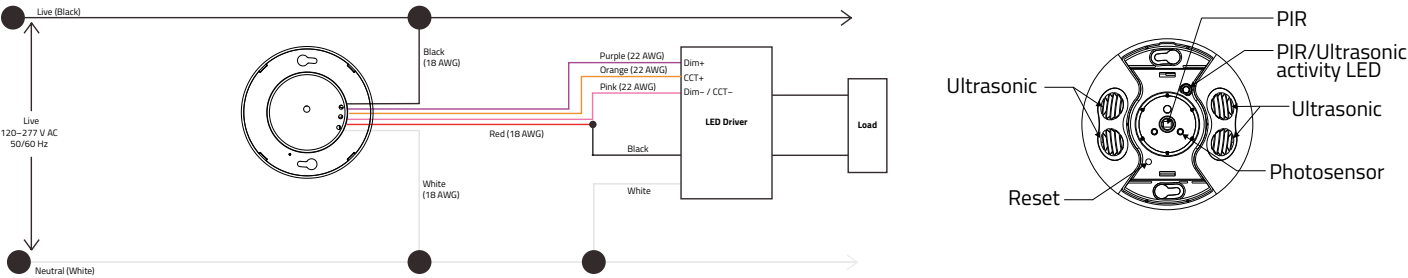
Input Voltage	120–277 V AC
Frequency	50/60 Hz
Output Current	6 A max at 120 V AC 6 A max at 277 V AC
Sinking Current	48.5 mA
Bluetooth Transmit Range	100 ft max
Radio Frequency	2.4 GHz ±75 MHz
Bluetooth Version	5.0
Housing Material	UL 94-5VA
Mounting Height	10 ft (3 m)
Mounting	4" octagonal ceiling box, 2.125" (54 mm) deep
Coverage (at 10 ft mounting)	CS107D.B1/.B2: 1,300 sq ft · CS107D.D1/.D2: 1,700 sq ft
Indoor/Outdoor Use	Indoor use only
Operating Temperature	0°C to 55°C (32°F to 131°F)
Storage Temperature	–30°C to 85°C (–22°F to 185°F)
IP Rating	IP20
Color	White
Warranty	5 years
Compliance	UL 1376, UL 8750, RoHS
Safety	cULus Listed E504054 FCC ID: 2A26YCS107D Bluetooth Declaration ID: D061367 DLC: NLTRC5KLOTN

Ordering Information

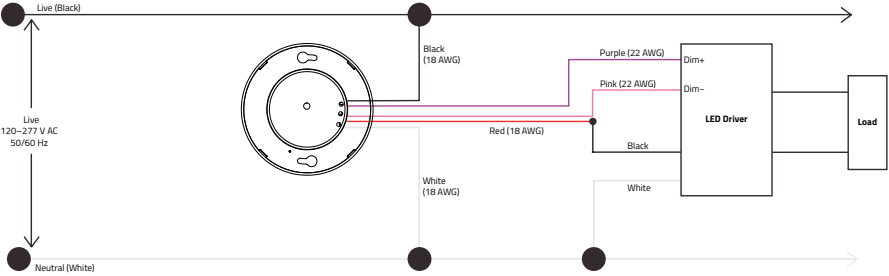
Model	Description
CS107D.B1	Line Voltage Dual-Tech Ceiling Sensor (Dual-channel dimming for color tuning (CCT)) with Daylight Harvesting
CS107D.B2	Line Voltage Dual-Tech Ceiling Sensor (Single-channel dimming) with Daylight Harvesting
CS107D.D1	Line Voltage Dual-Tech Ceiling Sensor (Dual-channel dimming for color tuning (CCT)) with Daylight Harvesting. Front cover removes for mounting access.
CS107D.D2	Line Voltage Dual-Tech Ceiling Sensor (Single-channel dimming) with Daylight Harvesting. Front cover removes for mounting access.

Wiring

CS107D.B1/D1

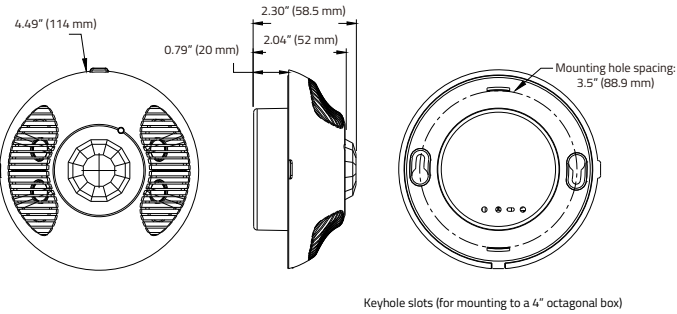


CS107D.B2/D2

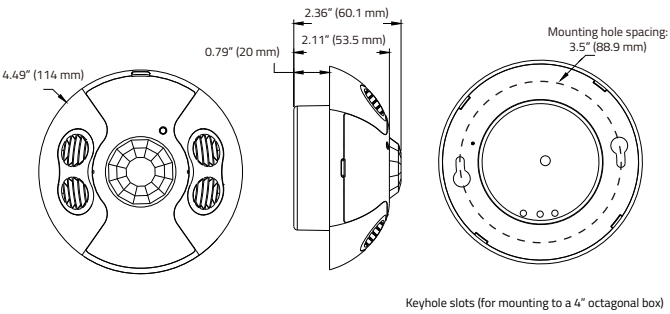


Dimensions

CS107D.B1/B2



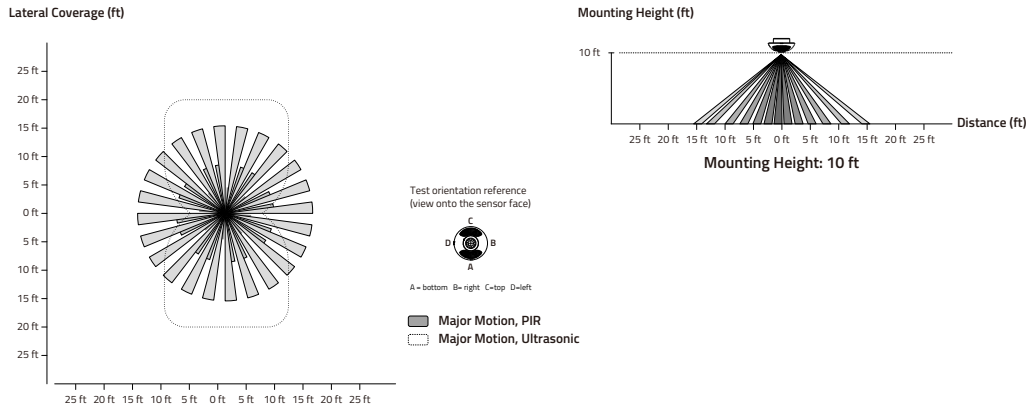
CS107D.D1/D2



Coverage Pattern

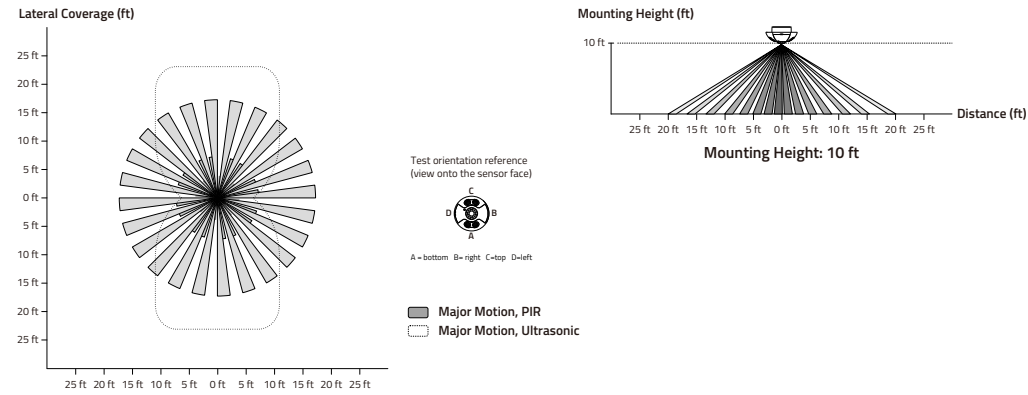
CS107D.B1/B2

PIR+Ultrasonic Coverage Top View

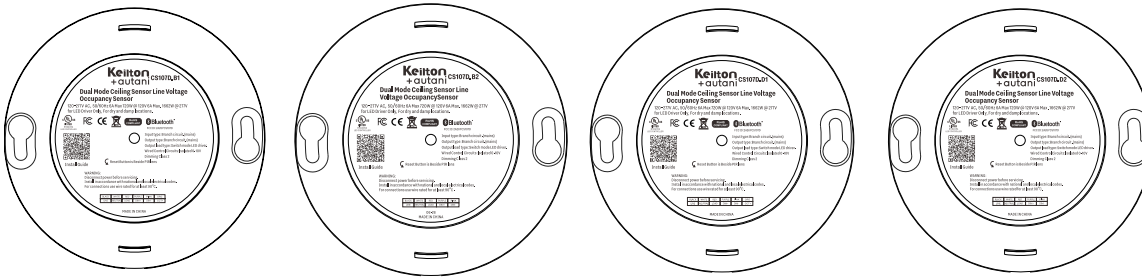


CS107D.D1/D2

PIR+Ultrasonic Coverage Top View



Product Label



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App Download



Due to our continued efforts to improve our products, specifications are subject to change without notice.

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