AiRISTA
Location. Insight. Visibility.

LB2 Wi-Fi / IR
Location Beacon

Wi-Fi / IR Location Beacon for Highly Accurate Location

The AiRISTA LB2 location beacon is a cost-effective solution to refine the location accuracy of the AiRISTA Wi-Fi based Real-time Location System (RTLS).

Industry-Leading Location Accuracy

The beacon is a small, portable, battery-powered transmitter that is designed to enhance system accuracy. The AiRISTA LB2 uses infrared technology to provide sub-meter accuracy when ultimate granularity is critical.

The AiRISTA LB2 refines the location accuracy to levels previously only available with expensive, proprietary systems that require wiring new infrastructure. For the typical hospital environment, the beacons provide highly reliable room- and bed-level accuracy in any areas with Wi-Fi coverage, without the need to install additional Wi-Fi access points or other wired infrastructure.

Sub-meter Location Granularity

Because AiRISTA Wi-Fi Tags with IR support recognize the AiRISTA LB2, the AiRISTA RTLS Controller is capable of calculating and displaying the precise location of the tags.

The AiRISTA LB2 can be mounted on a wall or ceiling, and since they do not require any data or power cabling, they can be installed quickly, without any impact to the facility operations.

Benefits

- Easy to install with two screws
- No permits or power outlets required
- Delivers industry leading accuracy at a fraction of the cost
- Enhances system performance in areas that have limited Wi-Fi coverage
- AiRISTA RTLS provides complete enterprise-wide location tracking and highly accurate precision

Features

- Battery life up to 5 years
- No interference with any other wireless devices
- Location accuracy to less than 3 feet or 1 meter
- Five operation modes and three transmission power levels to support a wide variety of different applications
- Signal penetrates fabrics
- Three different blink intervals for multiple real-time requirements

IR Sensor

38 kHz Infrared (IR)
Multiple focused beams for defining precise location areas.
Advanced dispersion technology can flood the entire room or create a limited pattern.

Battery & Battery Life

2 - 1.5 Volt standard alkaline C batteries
Battery life: Up to 5 years with 4 sec transmission interval
Power jack for optional 3V / 1A power supply

User Interface

Operation mode button
Operation mode LEDs for The AiRISTA LB2 can operate in five different modes:

- Room mode: fills a room with the location beacon signal providing room-level accuracy

- Sub-zone mode: creates a sub-zone inside a room enabling bed- or bay-level accuracy

- Bed-zone mode: creates a zone covering a typical hospital bed and its immediate surrounding

- Micro-zone mode: creates a very small zone inside a room to monitor the usage of certain devices such as hand sanitizers or pinpointing items on a table or shelf

- Nano-zone mode: creates an extremely small zone, which can be used for example to control access

Environment

Operating Temperature: 32 to 122 °F / 0 to 50 °C
Storage Temperature: -40 to 140 °F / -40 to 60 °C

Typical Operating Range

See LB2 User Guide for specifics based on modes.

Physical

Dimensions:
4.9 x 2.6 x 2.0 in / 125 x 67 x 51 mm
Weight:
1.4 oz. / 40 g (without batteries)
9.5 oz. / 268 g (with batteries)

Part Number

Location Beacon: LB2
AiRISTA LB2/TS Power Supply: C-LB2-TS

Warranty

One Year Warranty

*Specifications subject to change without prior notice.

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