

Features & Options

- Infrared Beam Up to 30 Feet
- Cumulated Break Beam Count
- Transmission Interval from 10 Seconds
- 100 Ft Open Air Range, 1,000 Ft Range with Repeater
- Two Year Battery Operation
- Easy Flange Mounting
- Easy Setup Mode w/ Reset Switch
- 6 Digit LCD Display
- Front or Side Beam Models

The Wireless Break Beam Counter is an Infrared (IR) Break Beam sensor designed to detect and count each time the IR beam is interrupted and transmit that count to the receiver. It transmits the new count every 10-17 seconds for the receiver to report the total number of beam interruptions. The IR beam spans 30 feet. The easily-replaced batteries will power the unit for longer than 2 years.

This device is specifically designed to count people as they enter a door or line. The IR beam is modulated to prevent interference from other IR sources. The sensor has a 6-digit LCD display to show a local count. The Side Mount Unit projects the beam out the side for mounting across a threshold or door. The Front Mount Unit projects the beam out the front for mounting across a hallway or foyer.

The Wireless Break Beam Counter is ideal for gathering marketing data by counting patrons as they enter the building, buffet line, playground, outdoor dining or cars in the drive-through. The wireless mounting makes this form of information gathering fast, easy, and flexible and is ideal for temporary or permanent data gathering.

Ordering Information

PART NUMBERS:

BA/WBB-S

Side Mount Wireless Break Beam Counter, 418MHz

BA/WBB-F

Front Mount Wireless Break Beam Counter, 418MHz

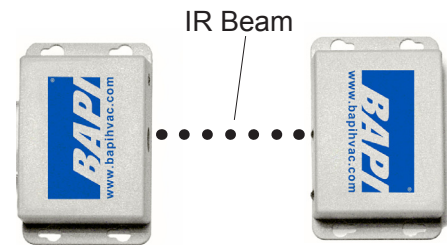
BA/LI3620

Replacement Battery

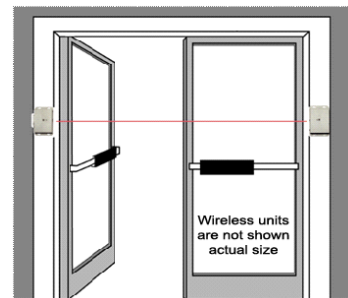
See end of Section H for list pricing.



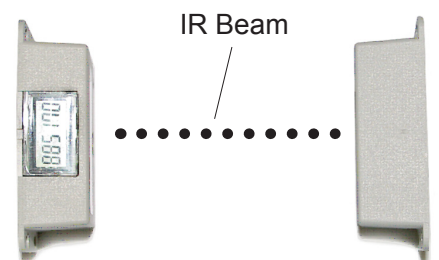
Wireless Break Beam Counter



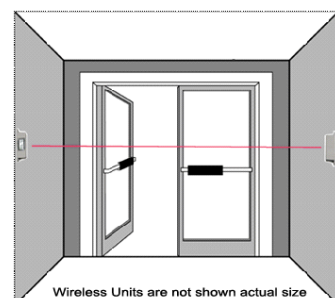
Side Mounted IR Beam (BA/WBB-S)



Side Mounted IR Beam (BA/WBB-S)



Front Mounted IR Beam (BA/WBB-F)



Front Mounted IR Beam (BA/WBB-F)

Specifications

Supply Power:3.6 Lithium AA Batteries

IR Projector.....2, AA batteries

Counter/transmitter.....1, AA battery

Battery life:2 years @ 10 second intervals

Battery Ambient:-55° to 125°C (-67° to 257°F)

Battery Included:BA/LI3620, 3.6V, AA

IR Projector:Pulsed Infrared, 32 pulses/sec
30 feet projection maximum

IR Counter/Transmitter:

Count Max16.7M and roles over to 0

LCD Display.....25", 6 digit display

Beam indicator.....LED lights when beam is broken

Manual reset.....Resets count and display to zero

ButtonSet-up mode push 1-2 seconds

Mounting:Flange w/4 keyholes

Weight:1.5 oz. each

Environmental Operating Range:

Temperature0° to 70°C (0° to 158°F)

Humidity0 to 90% RH, Non-condensing

Case Material:ABS Plastic

FCC ID:M5ZIRPC

FCC Rules:Part 15, Subpart B

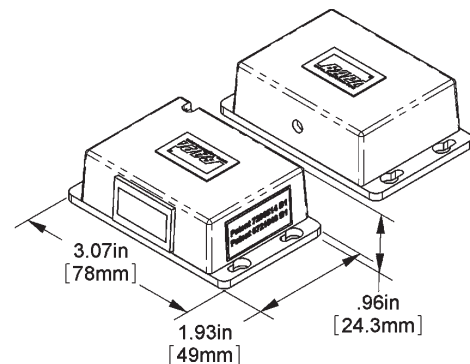
Radio Frequency:418 MHz @ 1mW

Transmitter Interval:~10-17 sec. (~37 sec if no change)

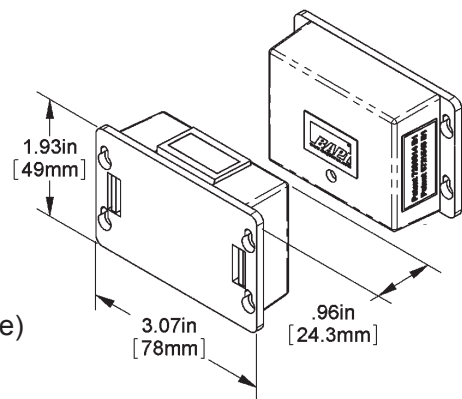
ID#, Enumerator:65/64, no enumerator

Antenna:Built into case

Transmission Range:Up to 100 feet direct
Up to 1,000 feet with a repeater

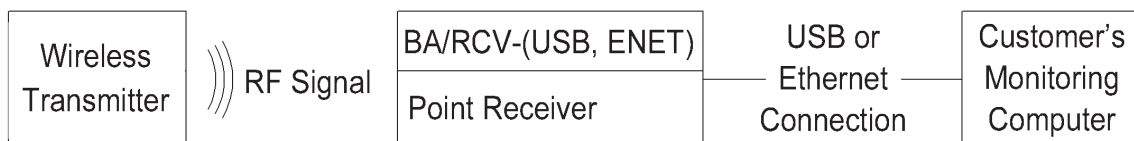


Side Mounted IR Beam (BA/WBB-S)



Front Mounted IR Beam (BA/WBB-F)

Wireless System Block Diagrams



The Wireless Transmitter (such as the Break Beam Counter) sends the RF Signal to the Receiver which then sends the payload, using a standard Ethernet or USB connection, to any computer using well documented ASCII protocol. (Note: Customer must write interface code for his computer system.)