

## Features & Options

- Easy Door Mounting
- Cumulated Door Operations Count
- Transmission Interval from 10-17 Seconds
- 100 Foot Open Air Range
- 1,000 Foot Range with Repeater
- Two Year Battery Operation
- Conformal Coated PC Board
- Condensation Resistant Operation



Wireless Door  
Switch

The Wireless Door Switch is a magnetic switch designed to indicate a door opening 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 door operations.

The easily-replaced batteries will power the unit for greater than 2 years. The electronics are conformal coated to provide a moisture barrier against condensation. The unit has a wide operating range of -40 to 185°F (-40 to 85°C).

The wireless door switch is ideal for monitoring Refrigerators, Freezers and Outside Doors such as door hatches and garbage gates. This allows the owner to identify needless door openings, or when a door has been left open, and save money and energy by correcting the problem and reducing the cold or warm air that escapes. Back garbage container gates can also be monitored to limit vandalism.

## Ordering Information

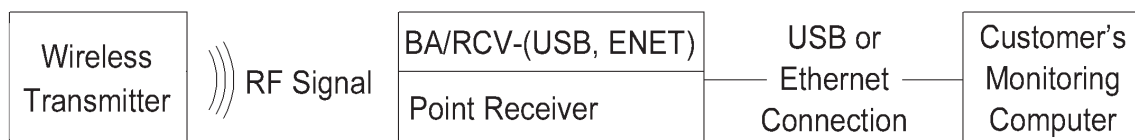
### PART NUMBERS:

**BA/WDS**.....Wireless Door Switch, 418MHz, with Door Magnet

**BA/LI3620**..... Replacement Battery

*See end of Section H for list pricing.*

## Wireless System Block Diagrams



The Wireless Transmitter (such as the Wireless Door Switch) 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.)



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## Specifications

**Supply Power:** ..... One 3.6 Lithium, AA Battery (included)  
High/low Temperature 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

**Sensor:** ..... Magnetically activated Reed Switch

**Activator:**..... Door mounted magnet

**Mounting:**

Transmitter ..... 4 key holes

Magnet ..... 2 slotted holes

**Maximum Gap:** ..... .25"

**Dimensions:**

Transmitter ..... 3.1"W x 2"H x 1"D

Magnet..... 1.1"W x .75"H x .25"D

**Weight:** ..... 1.5 oz.

**Environmental Operating Range:**

Temperature..... -40° to 85°C (-40° to 185°F)

Humidity ..... 0 to 100% RH, Condensing  
(no submerging)

**Case Material:** ..... ABS Plastic

**FCC ID:** ..... M5ZP6EZIO

**FCC Rules:** ..... Part 15, Subpart B

**Radio Frequency:** ..... 418 MHz @ 1mW

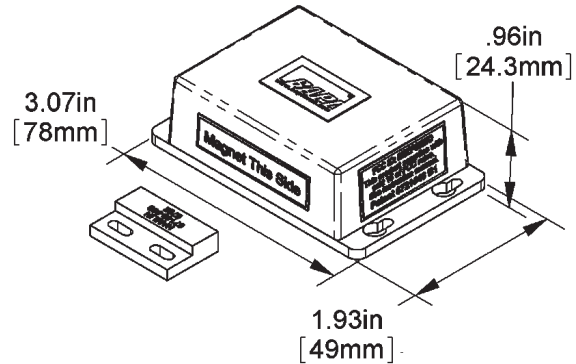
**Transmitter Interval:** .... ~10-17 seconds

**ID#, Enumerator:**..... 74/73, No enumerator

**Antenna:** ..... Built into case

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

**Enclosure:** ..... Equivalent to NEMA1



**Wireless Door Switch**