



Description

For use as a proximity detection sensor to transmit the occupancy of a location. It includes a pair of AAA batteries and a wireless transmitter (GE, Honeywell, 2GIG, DSC, or Cryptix).

Theory of Operation

The Proximity Detection Sensor has a binary output, either occupied or unoccupied. The distinction between the two states is whether or not a person is within the configured range of the sensor. The Proximity Detection Sensor provides the signal to the owner's monitoring system to indicate occupancy/vacancy. The sensor is closed in the occupied state and open in the vacant state. The output from the sensor can be delayed from as little as 1 second. The range from the sensor can be as short as 1 foot.

Installation

1. Mount the Proximity Detection Sensor to a wall or other sturdy surface using the included contact strip. The sensor should ideally be mounted at chest height for detecting a standing person, and seated shoulder height for detecting a sitting person.
2. Use the DL Code on the box to pair to your system.

Low Battery

A low battery signal is sent when the AAA batteries drop below 2.3 V and need to be replaced.

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info@telehealthsensors.com

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Specifications

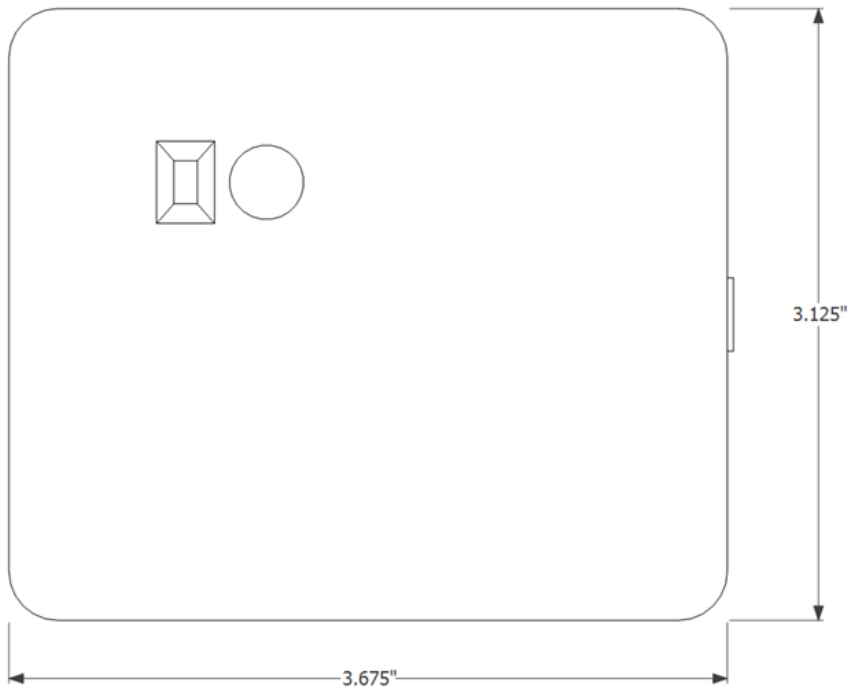
Parameter	Typical Val	Unit
PDS Length	3.675	in
PDS Width	3.125	in
PDS Height	1	in
Min Operating Voltage	2.6	V
Max Operating Voltage	3.6	V
Frequency (GE)	319	MHz
Frequency (Honeywell)	345	MHz
Frequency (2GIG)	345	MHz
Frequency (DSC)	433	MHz
Frequency (Cryptix)	433	MHz
Battery Life (2 x AAA)	>2	years
Delay	1, 3, 10	seconds
Range	1-6	ft

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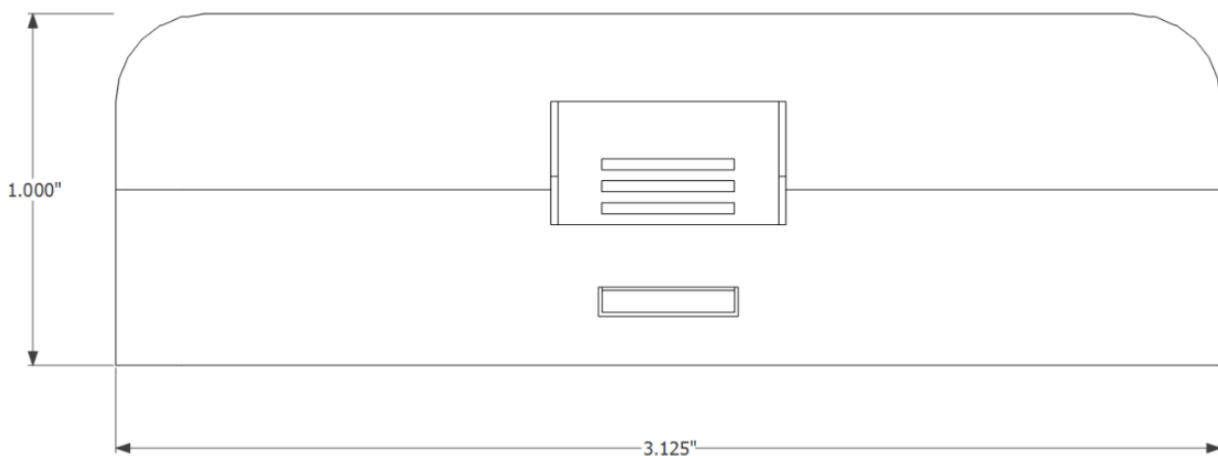
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Physical Dimensions

Front View



Side View



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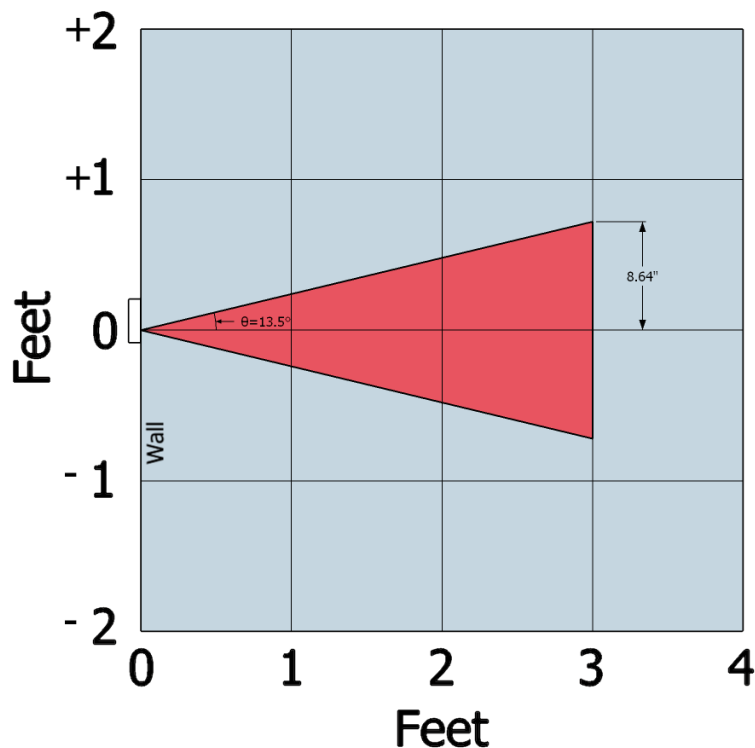
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Sensor Field of View

Top View

Sensor at (0', 0')



Note: The red region represents the sensor's theoretical detection area, but its effective detection area is narrower. A target must have a sufficient amount of its surface area within this region to reflect enough IR energy back to the sensor. An 8" diameter white paper disc was detectable when placed 3 feet away from the sensor, centered 8" laterally from the centerline of the sensor's field of view (3', +/- 0.75').

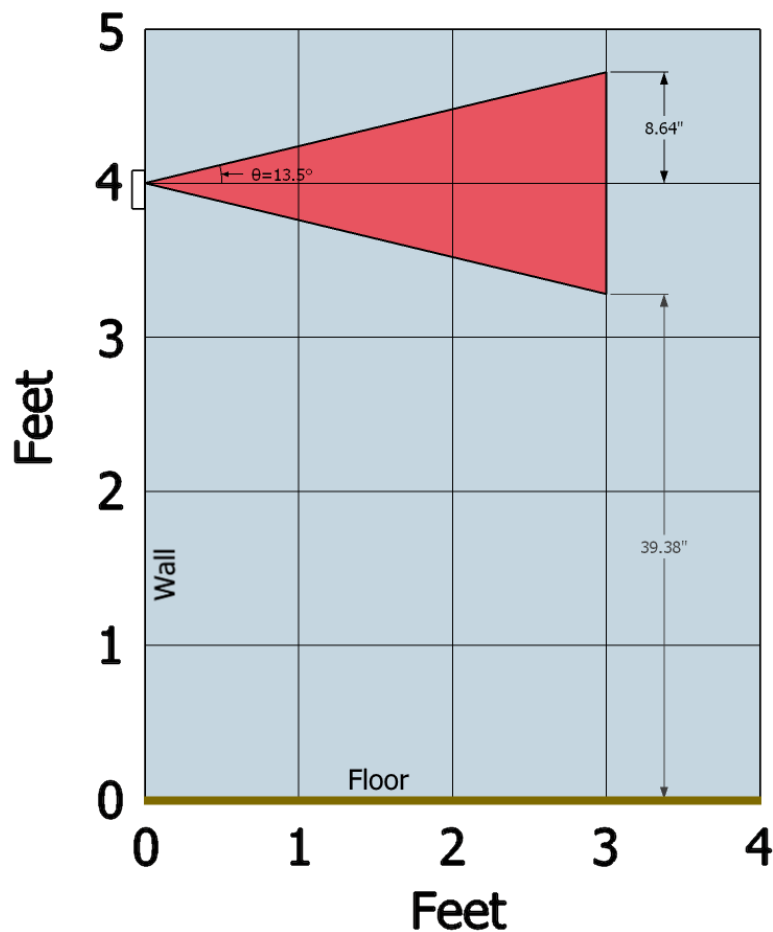
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Sensor Field of View

Side View

Sensor at (0', 4')



Note: The sensor's field of view is a cone projected out from the sensor element. At 3 feet from the sensor the cone cross section has a radius of about 8.5". When installing the PDS, make sure view cone is clear of any objects to prevent false positives.

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