

Züm Wired Presence Detectors with Link Communication

ZUMLINK-IR-QUATTRO-DLS and
ZUMLINK-IR-QUATTRO-DLS-RLY



ZUMLINK-IR-QUATTRO-HD-DLS and
ZUMLINK-IR-QUATTRO-HD-DLS-RLY



ZUMLINK-US-HALLWAY-DLS and
ZUMLINK-US-HALLWAY-DLS-RLY



ZUMLINK-US-QUATTRO-DLS and
ZUMLINK-US-QUATTRO-DLS-RLY



ZUMLINK-DT-QUATTRO-DLS and
ZUMLINK-DT-QUATTRO-DLS-RLY



ZUMLINK-US-ONEWAY-DLS and
ZUMLINK-US-ONEWAY-DLS-RLY



- *Ceiling-mount presence sensor*
- *Passive infrared (PIR), ultrasonic, or dual-technology motion detection*
- *360 degree coverage pattern*
- *Fully digital circuitry for low cost and high reliability*
- *Built-in closed loop daylight sensor*
- *Control system communications the Züm® Link network*
- *Compatible with Züm wired keypad*
- *For the -RLY models, additional relays included for input-relay capable devices*

As part of providing professional lighting and control solutions for the entire enterprise, we are pleased to offer STEINEL™ products, which are available for sale through authorized Crestron® Commercial Lighting system integrators.

Based in Germany, STEINEL has been manufacturing lighting controls for over 25 years. Their product offering includes a wide variety of controls and sensors for indoor and outdoor applications.

STEINEL™ presence detectors with Züm® Link wired communication are part of a system designed to provide sophisticated lighting control with simple installation. A wired solution for Züm commercial lighting systems, the presence detectors communicate via [CBL-CAT5E-ZUMLINK-P](#) cable (sold separately) which allow for in-room device daisy-chaining to other Züm Link devices (such as the [ZUMLINK-KP](#) keypad or Züm Link [load controllers](#)). The presence detectors are equipped with a daylight sensor and mount directly to the ceiling or via a junction box (not included). The RLY presence detectors also have a three-wire

output relay to connect to a relay-input capable device, such as an HVAC call system.

Twelve Züm Link Presence Detectors are offered:

Presence Detector with Daylight Sensing

- [ZUMLINK-IR-QUATTRO-DLS](#) with passive infrared technology
- [ZUMLINK-DT-QUATTRO-DLS](#) with passive infrared and ultrasonic technology
- [ZUMLINK-US-QUATTRO-DLS](#) with ultrasonic technology
- [ZUMLINK-IR-QUATTRO-HD-DLS](#) with high-definition, passive infrared technology
- [ZUMLINK-US-HALLWAY-DLS](#) with ultrasonic technology and bidirectional detection for hallways
- [ZUMLINK-US-ONEWAY-DLS](#) with ultrasonic technology and unidirectional detection for hallways

Presence Detector with Daylight Sensing and Output Relay

- [ZUMLINK-IR-QUATTRO-DLS-RLY](#) with passive infrared technology
- [ZUMLINK-DT-QUATTRO-DLS-RLY](#) with passive infrared and ultrasonic technology
- [ZUMLINK-US-QUATTRO-DLS-RLY](#) with ultrasonic technology
- [ZUMLINK-IR-QUATTRO-HD-DLS-RLY](#) with high-definition, passive infrared technology
- [ZUMLINK-US-HALLWAY-DLS-RLY](#) with ultrasonic technology and bidirectional detection for hallways
- [ZUMLINK-US-ONEWAY-DLS-RLY](#) with ultrasonic technology and unidirectional detection for hallways

Züm Link Wired Technology

Züm Link technology enables in-room lighting control through keypads and sensors wired to controllers. Züm Wired devices connect via [CBL-CAT5E-ZUMLINK-P](#) CAT5e cable (sold separately) to RJ-45 ports to provide simple daisy-chaining and lighting control of compatible loads. The Züm Wired devices work together in a local ecosystem to provide customized solutions using the Züm app via Bluetooth connectivity.

Easy Installation

For flexibility and ease-of-use, install Züm devices (load controllers, keypads, and presence detectors) and connect them with Züm Link ([CBL-CAT5E-ZUMLINK-P](#)) or Züm Net ([CBL-CAT5E-ZUMNET-P](#)) CAT5e cable. Nonsystem presence detectors may also be installed to any load controller with analog inputs.

Easy Commissioning

Finish the installation by quickly commissioning the room through the Züm app. Expedite commissioning by copying a room configuration and sending it to an identical room. Save a room configuration template and share it via the ZUM-HUB4

Zūm Wired Presence Detectors with Link Communication

or the Zūm app. The ZUMLINK-KP Bluetooth® connection is required to configure a Zūm wired space with the Zūm app.

Specifications

ZUMLINK-IR-QUATTRO-DLS/
ZUMLINK-IR-QUATTRO-DLS-RLY

Power Rating	18 - 24VDC/VAC (14 mA)
Control Output	1A @ 30VAC/VDC
Sensing	Passive Infrared (PIR)
Coverage	360° square mechanically scalable detection zones
Sensors	single infrared pyroelectric detector
Detection Zones	Presence: Major motion as described by NEMA WD7; Maximum: 30 x 30 ft (900 sq ft) Radial: Motion either directly toward or away from the sensor; Maximum: 30 x 30 ft (900 sq ft) Tangential: Motion perpendicular to the sensor; Maximum: 46 x 46 ft (2,116 sq ft)
Light Level Setting	10-1000lux / 1-100 fc
Dimensions	Height: 4.73 in. (121 mm) Width: 4.73 in. (121 mm) Depth: 3.03 in. (77 mm)

ZUMLINK-IR-QUATTRO-HD-DLS/
ZUMLINK-IR-QUATTRO-HD-DLS-RLY

Power Rating	18 - 24VDC/VAC (14 mA)
Control Output	1A @ 30VAC/VDC
Sensing	Extremely high definition Passive Infrared (PIR)
Coverage	360° square mechanically scalable detection zones
Sensors	4 infrared pyroelectric detectors
Detection Zones	Presence: Major motion as described by NEMA WD7; Maximum: 50 x 50 ft (2,500 sq ft)/ 15 x 15. m (225 sq m)
Light Level Setting	10-1000lux / 1-100 fc
Dimensions	Height: 4.73 in. (121 mm) Width: 4.73 in. (121 mm) Depth: 2.82 in. (72 mm)

ZUMLINK-DT-QUATTRO-DLS/
ZUMLINK-DT-QUATTRO-DLS-RLY

Power Rating	18 - 24VDC/VAC (22 mA)
Control Output	1A @ 30VAC/VDC
Sensing	Passive Infrared (PIR) and ultrasonic (40 kHz)
Coverage	360°
Sensors	Single infrared pyroelectric detector
Detection Zones	Presence: Major motion as described by NEMA WD7; PIR: Maximum: 50 x 40 ft (2,000 sq ft)/ 15 x 12 m (180 sq m); US: Maximum: 40 x 30 fct (1,200 sq ft)/ 12 x 9 m (108 sq m)
Light Level Setting	10-1000lux / 1-100 fc
Dimensions	Height: 4.73 in. (121 mm) Width: 4.73 in. (121 mm) Depth: 2.63 in. (67 mm)

ZUMLINK-US-HALLWAY-DLS/
ZUMLINK-US-HALLWAY-DLS-RLY

Power Rating	18 - 24VDC/VAC (22 mA)
Control Output	1A @ 30VAC/VDC
Sensing	Bidirectional ultrasonic (40 kHz)
Coverage	6.5 x 65 ft linear
Ultrasonic Detection	Maximum: 50 x 20 ft (1,000 sq ft)/ 15 x 6 m (90 sq m) Minimum: 40 x 20 ft (800 sq ft)/ 12 x 6 m (72 sq m)
Light Level Setting	10-1000lux / 1-100 fc
Dimensions	Height: 4.73 in. (121 mm) Width: 4.73 in. (121 mm) Depth: 2.84 in. (72 mm)

Zūm Wired Presence Detectors with Link Communication

**ZUMLINK-US-ONEWAY-DLS/
ZUMLINK-US-ONEWAY-DLS-RLY**

Power Rating	18 - 24VDC/VAC (22 mA)
Control Output	1A @ 30VAC/VDC
Sensing	Unidirectional ultrasonic (40 kHz) occupancy sensor
Coverage	6.5 x 35 ft linear
Ultrasonic Detection	Maximum: 35 x 20 ft (700 sq ft)/ 11 x 6 m (66 sq m) Minimum: 25 x 20 ft (50 sq ft)/ 8 x 6 m (48 sq m)
Light Level Setting	10-1000lux / 1-100 fc
Dimensions	Height: 4.73 in. (121 mm) Width: 4.73 in. (121 mm) Depth: 2.84 in. (72 mm)

**ZUMLINK-US-QUATTRO-DLS/
ZUMLINK-US-QUATTRO-DLS-RLY**

Power Rating	18 - 24VDC/VAC (22 mA)
Control Output	1A @ 30VAC/VDC
Sensing	Omnidirectional ultrasonic (40 kHz) presence detection
Coverage	360°
Detection Zones	Presence: Major motion as described by NEMA WD7; Maximum: 40 x 50 ft (2,000 sq ft)/ 12 x 15 m (180 sq m)
Light Level Setting	10-1000lux / 1-100 fc
Dimensions	Height: 4.73 in. (121 mm) Width: 4.73 in. (121 mm) Depth: 2.67 in. (68 mm)

Controls & Indicators

LED	(3) Blue LEDs on the sensor head frontplate Flashes upon start up and when triggered to identify itself
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Connections

ZUMLINK	(2) RJ-45 orange ports; In-room Zūm Link device daisy-chaining
Output Relays	(1) Green: Normally open
(Relay models only)	(1) Blue: Normally closed (1) Red: Common

Environmental

Temperature	32° to 104°F (0° to 40°C)
Rating	IP20 rated

Enclosure

Material	Plastic
Mounting	Mount directly in the ceiling, 4 in. square or round junction boxes (not included), or 3 in. mud rings (not included)

Compliance

Regulatory Mode: M202111001, M202111002, M202111003, and M202111004

UL® Listed

Models**ZUMLINK-IR-QUATTRO-DLS**

Zūm® Wired Infrared Presence Detector with Daylight Sensing and Link Communication

ZUMLINK-DT-QUATTRO-DLS

Zūm® Wired Dual-Tech Presence Detector with Daylight Sensing and Link Communication

ZUMLINK-US-QUATTRO-DLS

Zūm® Wired Ultrasonic Presence Detector with Daylight Sensing and Link Communication

ZUMLINK-IR-QUATTRO-HD-DLS

Zūm® Wired High-Definition Infrared Presence Detector with Daylight Sensing and Link Communication

ZUMLINK-US-HALLWAY-DLS

Zūm® Wired Ultrasonic Dual-Direction Hallway Presence Detector with Daylight Sensing and Link Communication

ZUMLINK-US-ONEWAY-DLS

Zūm® Wired Ultrasonic Single-Direction Hallway Presence Detector with Daylight Sensing and Link Communication

ZUMLINK-IR-QUATTRO-DLS-RLY

Zūm® Wired Infrared Presence Detector with Daylight Sensing, HVAC Control, and Link Communication

ZUMLINK-DT-QUATTRO-DLS-RLY

Zūm® Wired Dual-Tech Presence Detector with Daylight Sensing, HVAC Control, and Link Communication

Zūm Wired Presence Detectors with Link Communication

ZUMLINK-US-QUATTRO-DLS-RLY

Zūm® Wired Ultrasonic Presence Detector with Daylight Sensing, HVAC Control, and Link Communication

ZUMLINK-IR-QUATTRO-HD-DLS-RLY

Zūm® Wired High-Definition Infrared Presence Detector with Daylight Sensing, HVAC Control, and Link Communication

ZUMLINK-US-HALLWAY-DLS-RLY

Zūm® Wired Ultrasonic Dual-Direction Hallway Presence Detector with Daylight Sensing, HVAC Control, and Link Communication

ZUMLINK-US-ONEWAY-DLS-RLY

Zūm® Wired Ultrasonic Single-Direction Hallway Presence Detector with Daylight Sensing, HVAC Control, and Link Communication

Available Accessories

For a list of available accessories, visit the [Zūm Link Presence Detectors](#) product pages.

The original language version of this document is U.S. English.
All other languages are a translation of the original document.

This product may be purchased from select authorized Crestron dealers and distributors. To find a dealer or distributor, please contact the Crestron sales representative for your area. A list of sales representatives is available online at www.crestron.com/How-To-Buy/Find-a-Representative or contact us for additional information by visiting www.crestron.com/contact/our-locations for your local contact.

The product warranty can be found at www.crestron.com/warranty.

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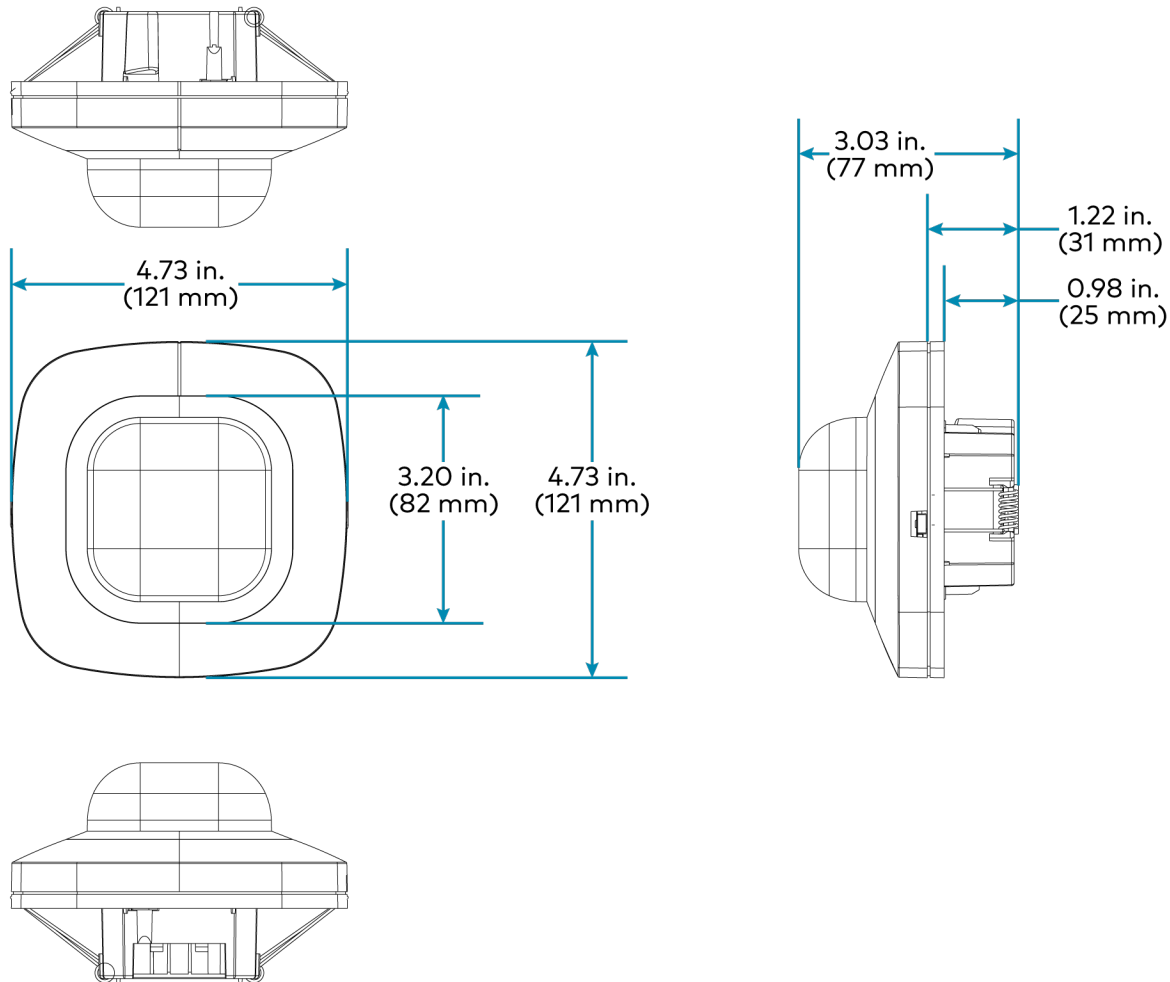
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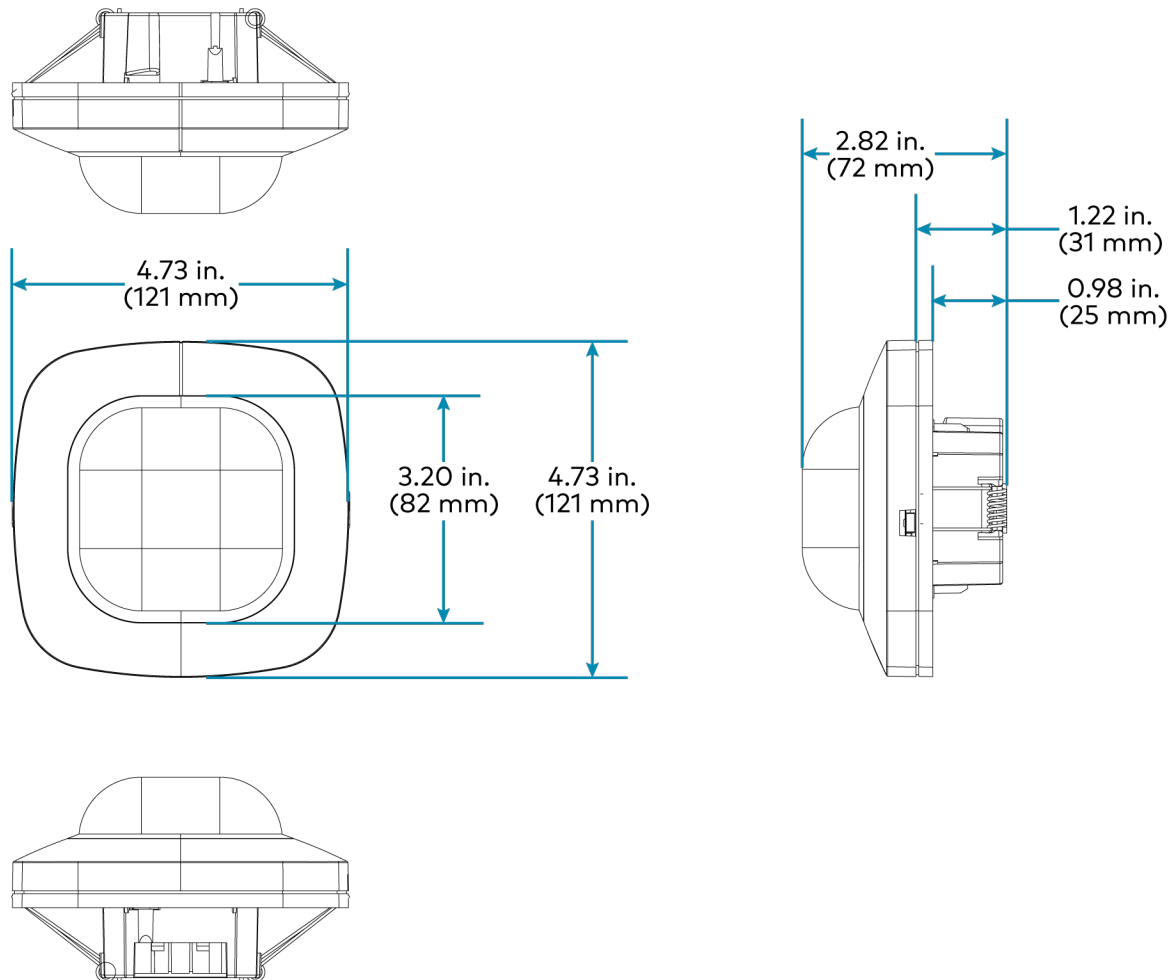
Zūm Wired Presence Detectors with Link Communication

ZUMLINK-IR-QUATTRO-DLS and ZUMLINK-IR-QUATTRO-DLS-RLY



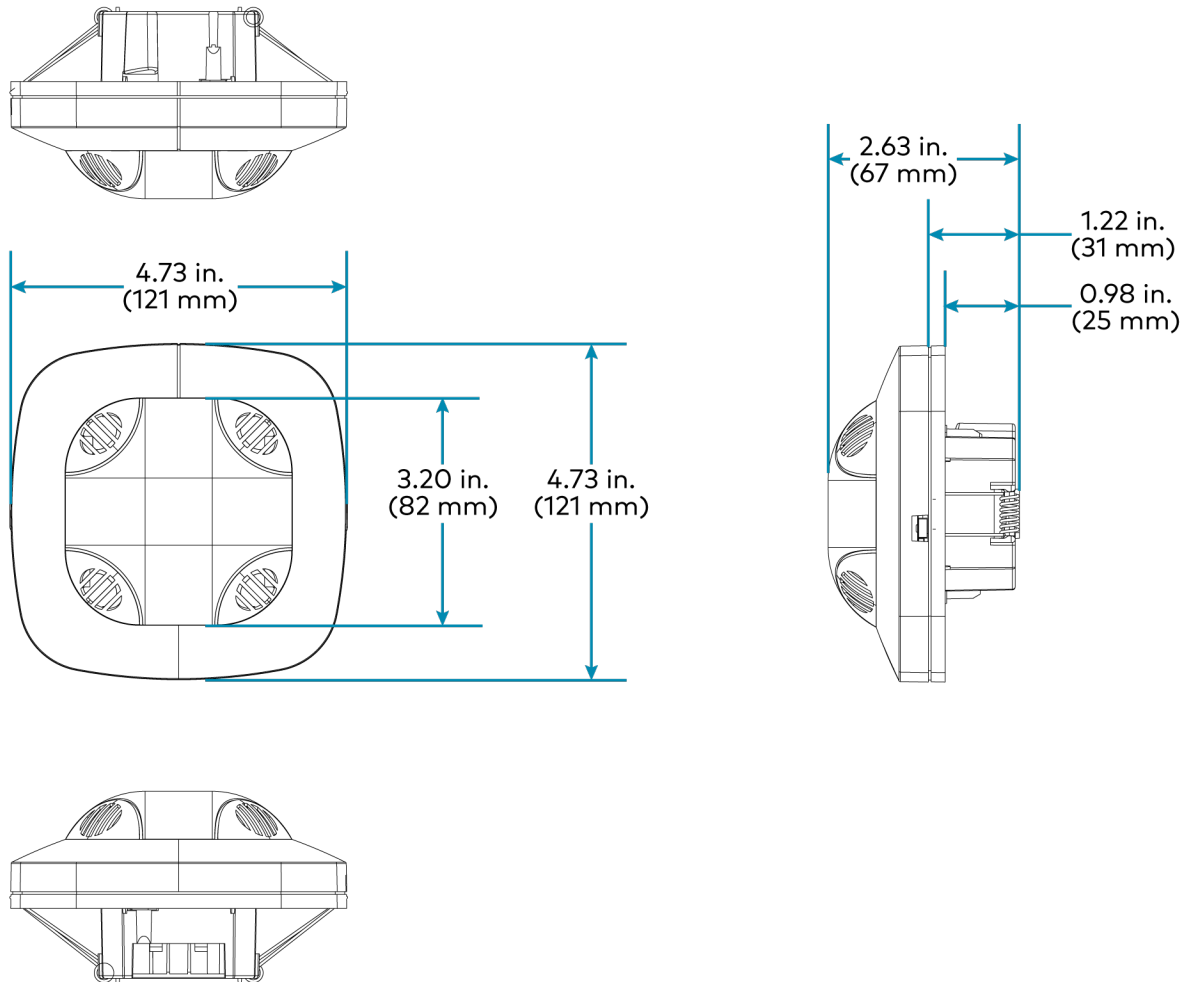
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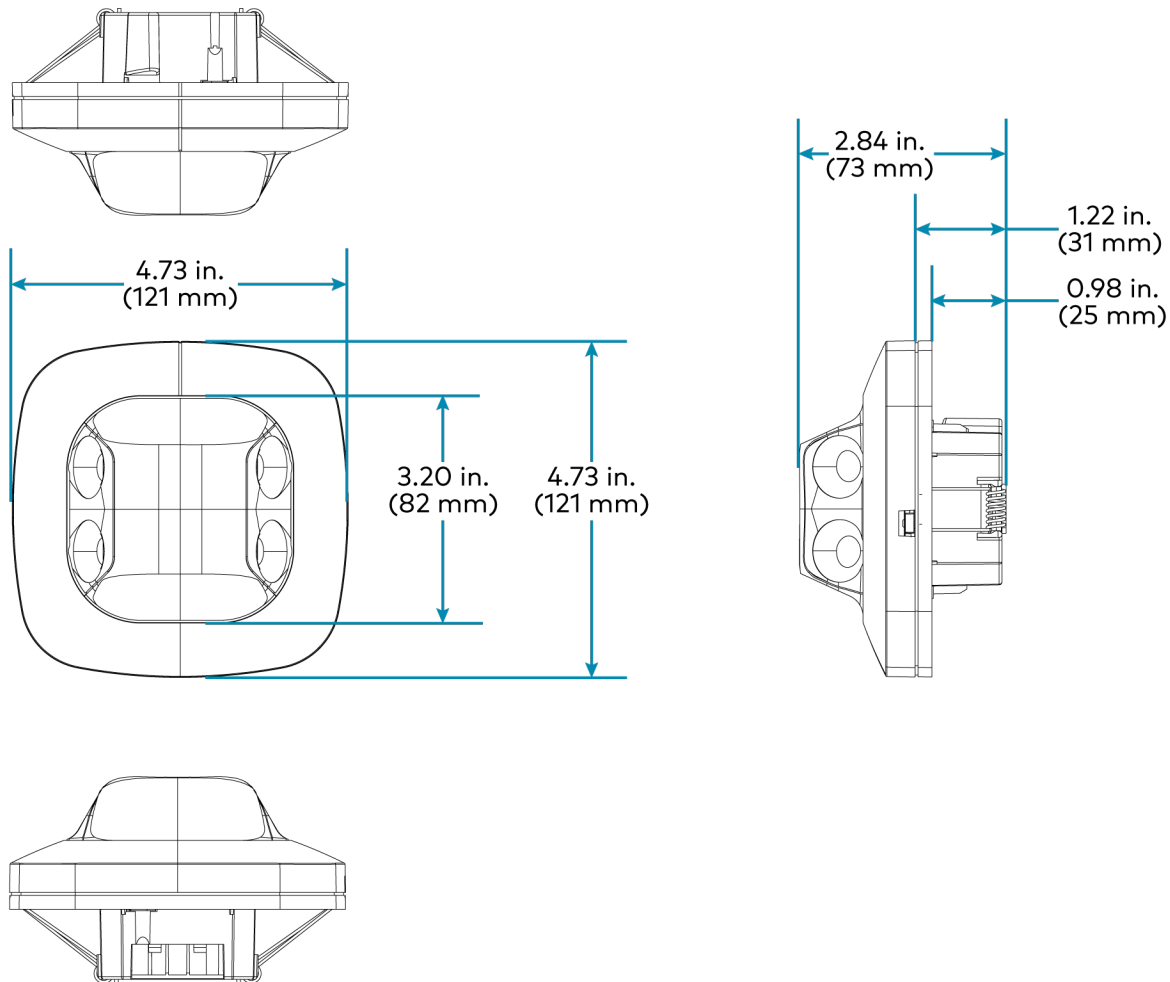
Zūm Wired Presence Detectors with Link Communication

ZUMLINK-DT-QUATTRO-DLS and ZUMLINK-DT-QUATTRO-DLS-RLY



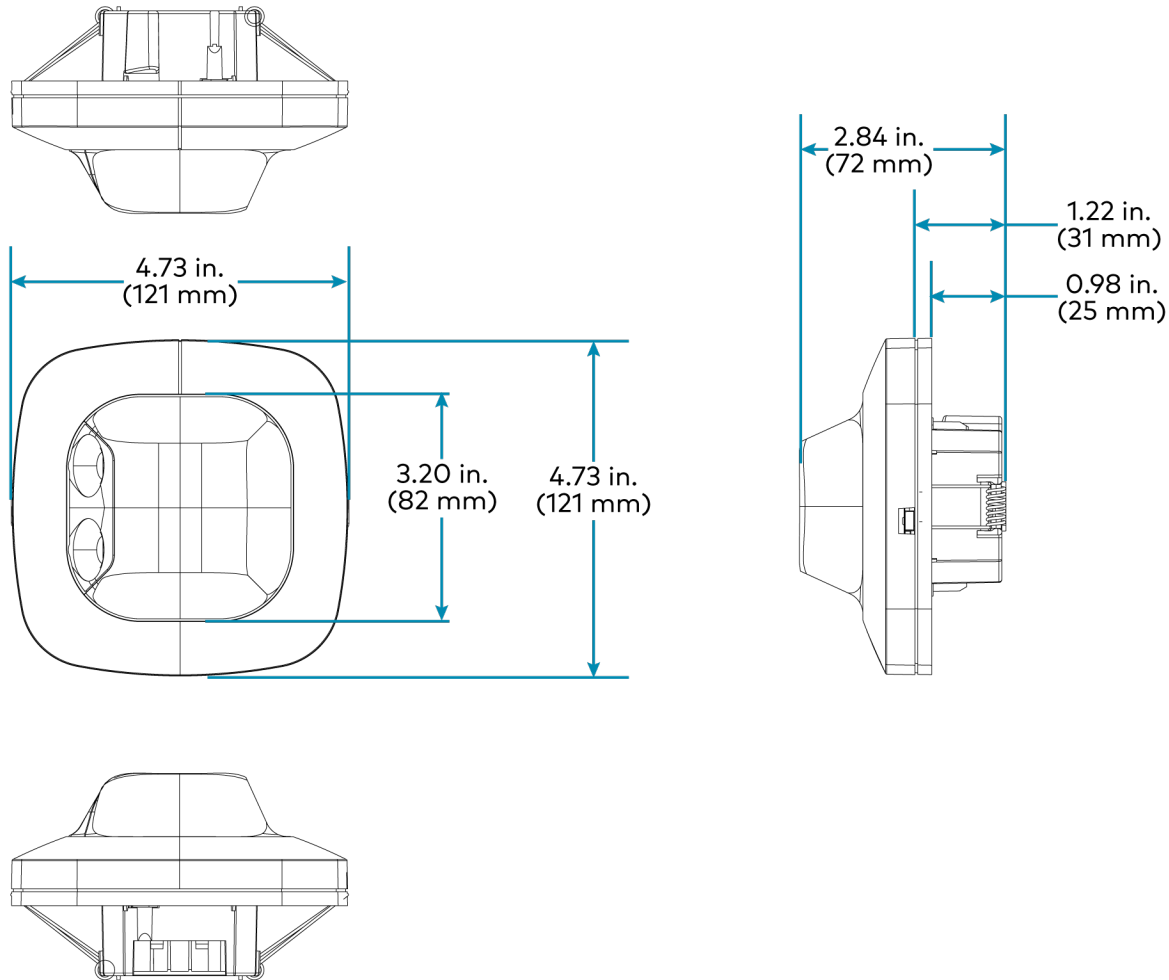
Zūm Wired Presence Detectors with Link Communication

ZUMLINK-US-HALLWAY-DLS and ZUMLINK-US-HALLWAY-DLS-RLY



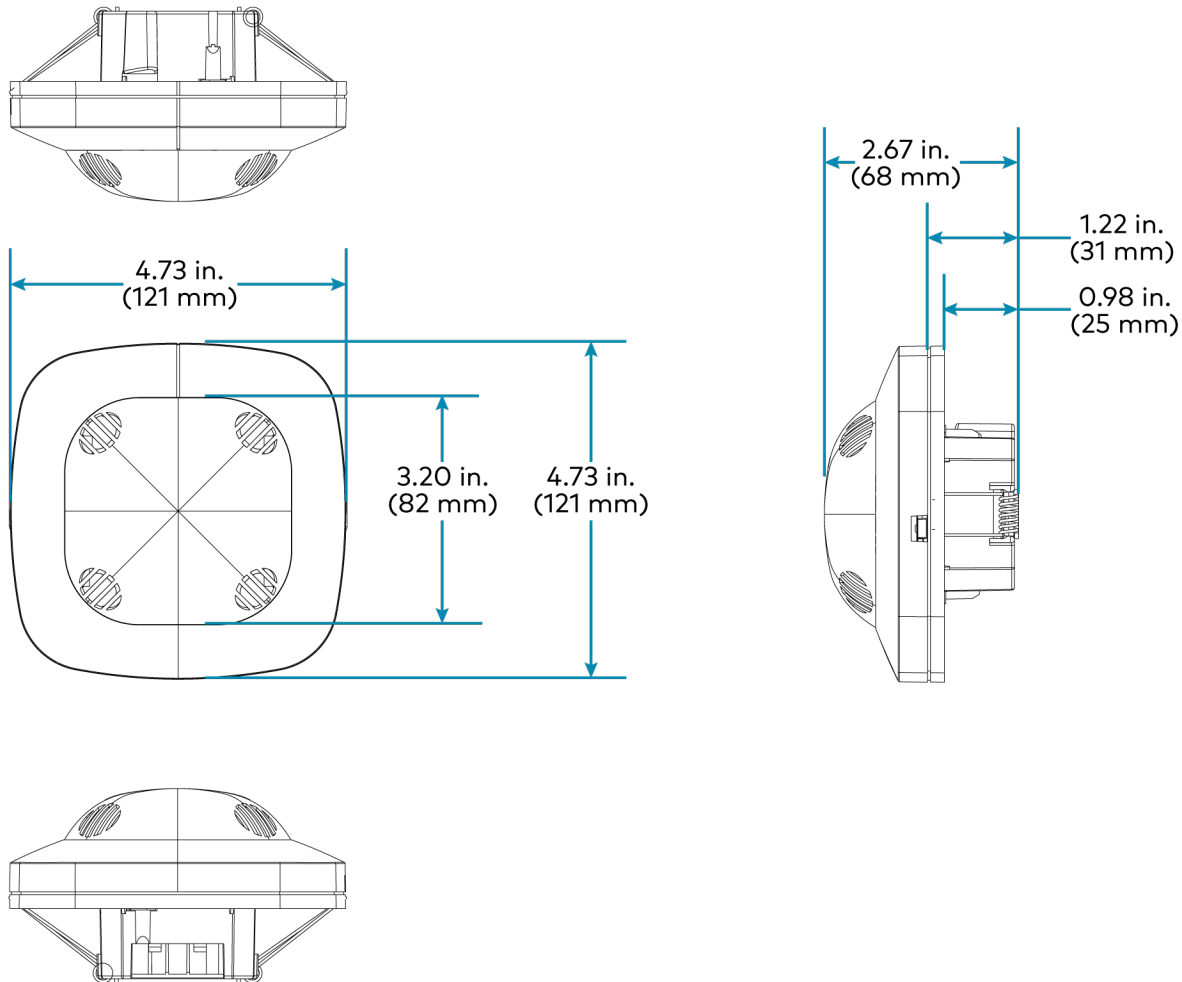
Zūm Wired Presence Detectors with Link Communication

ZUMLINK-US-ONEWAY-DLS and ZUMLINK-US-ONEWAY-DLS-RLY



Zūm Wired Presence Detectors with Link Communication

ZUMLINK-US-QUATTRO-DLS and ZUMLINK-US-QUATTRO-DLS-RLY



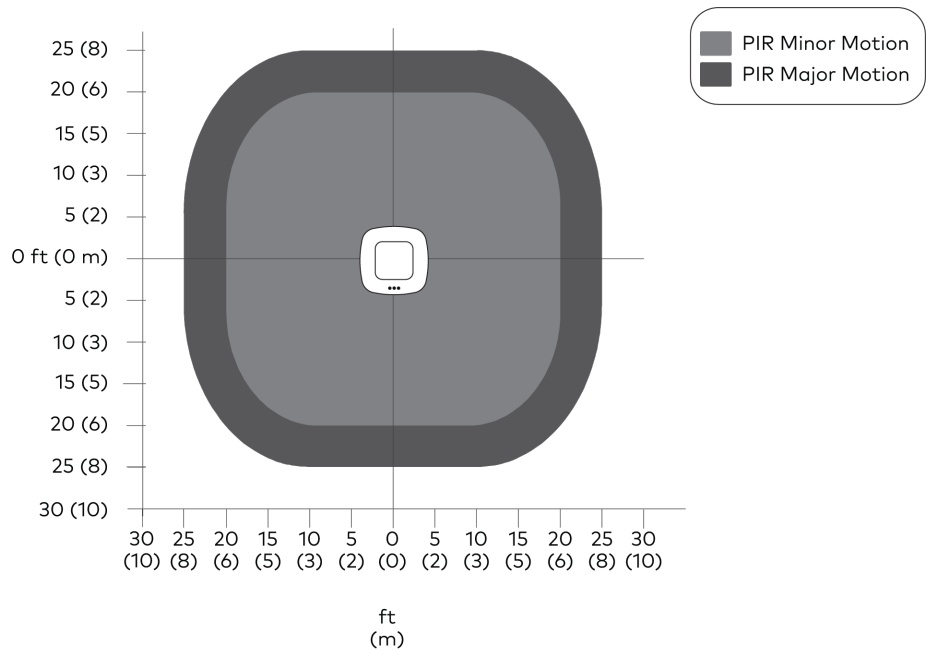
Zūm Wired Presence Detectors with Link Communication

Beam Pattern Coverage

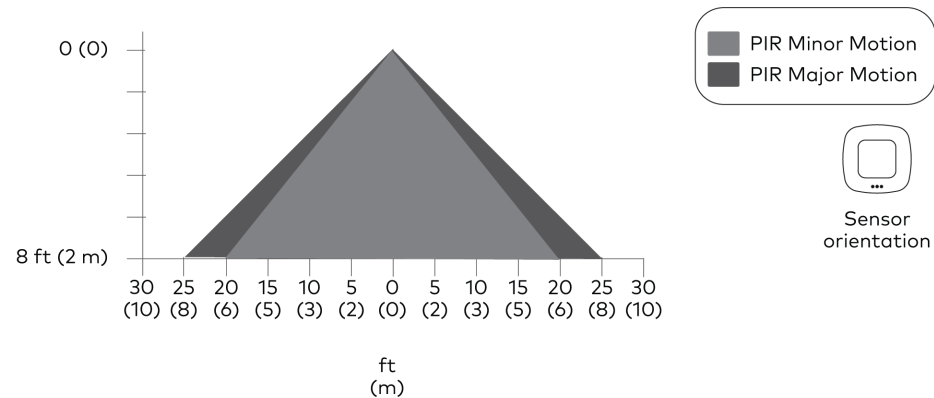
NOTE: Detection along the far edge of the detection range may be inconsistent.

ZUMLINK-IR-QUATTRO-HD-DLS/ ZUMLINK-IR-QUATTRO-HD-DLS-RLY

Top View



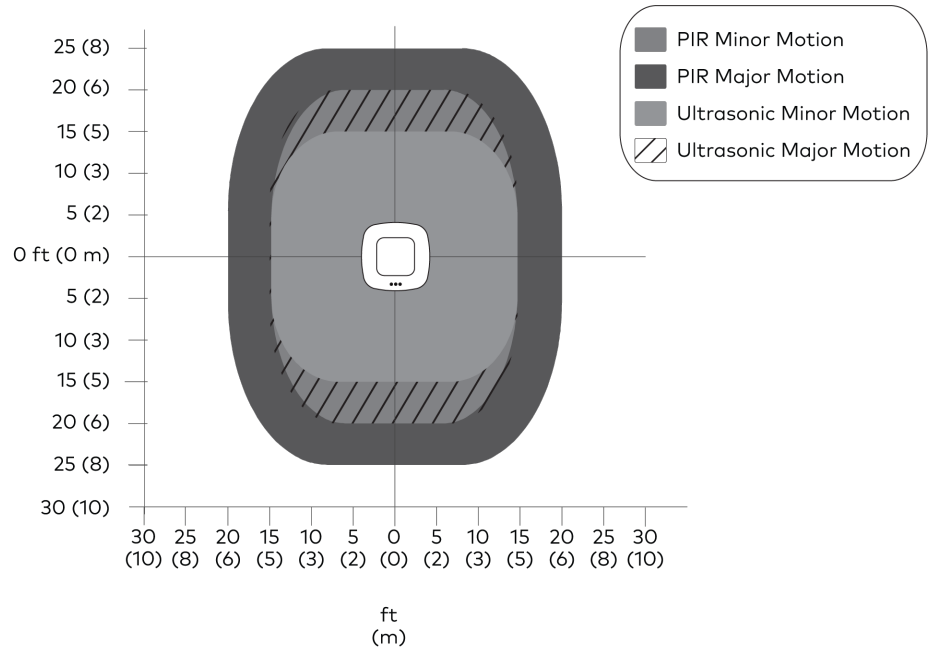
Side View



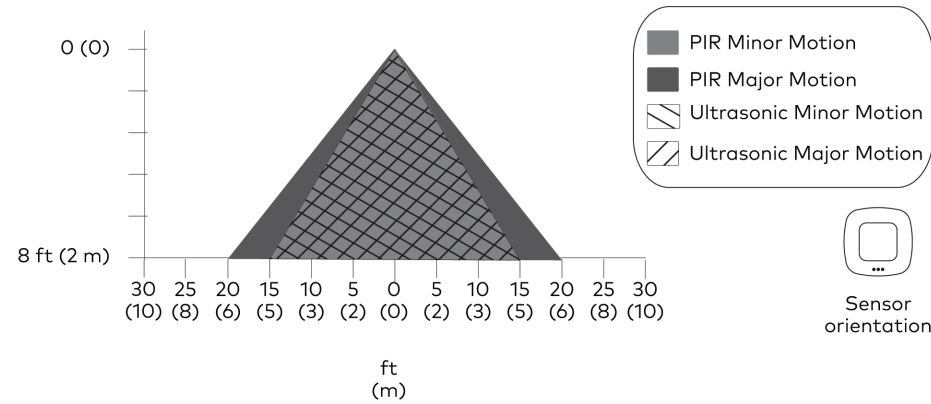
Zūm Wired Presence Detectors with Link Communication

ZUMLINK-DT-QUATTRO-DLS/ ZUMLINK-DT-QUATTRO-DLS-RLY

Top View

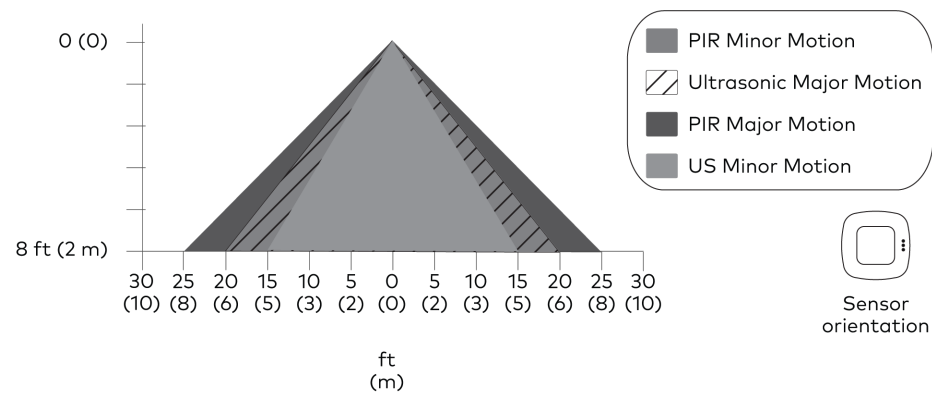


Side View Sensor Orientation A



Zūm Wired Presence Detectors with Link Communication

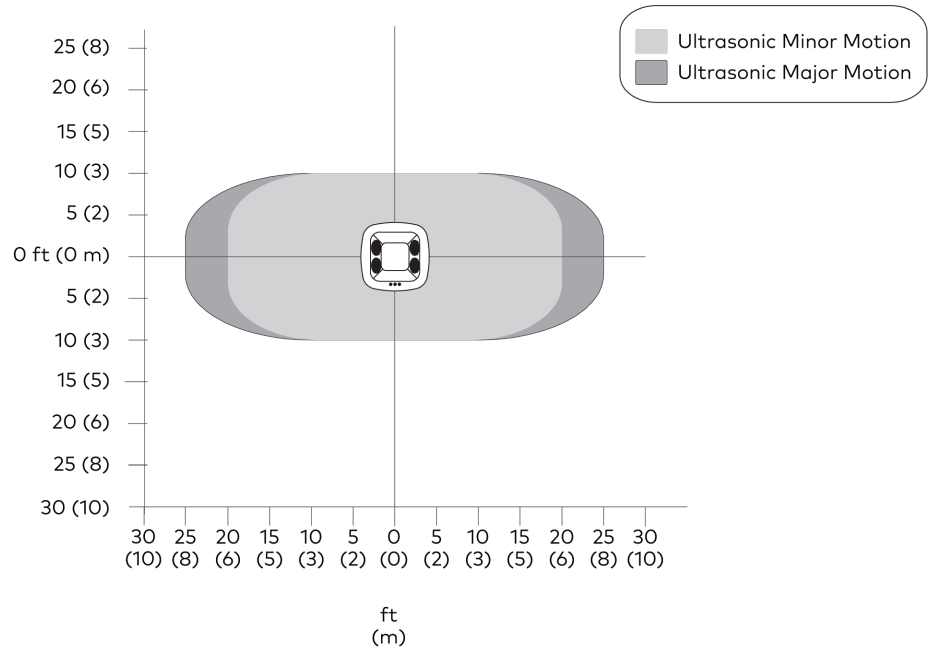
Side View Sensor Orientation B



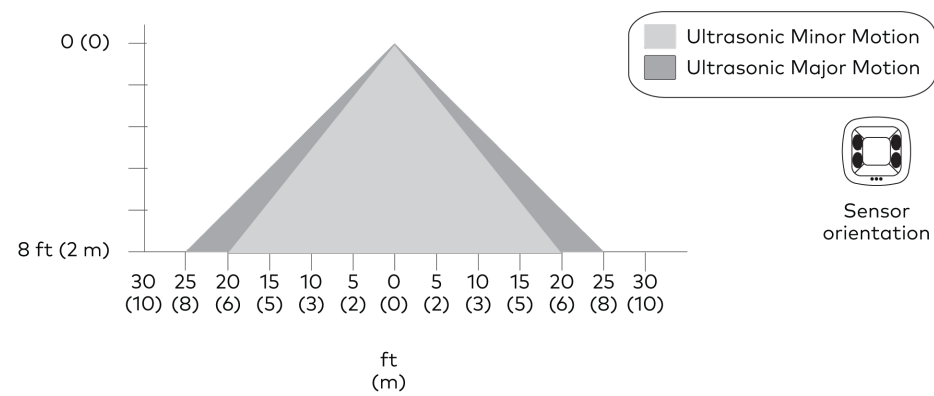
Zūm Wired Presence Detectors with Link Communication

ZUMLINK-US-HALLWAY-DLS/ ZUMLINK-US-HALLWAY-DLS-RLY

Top View

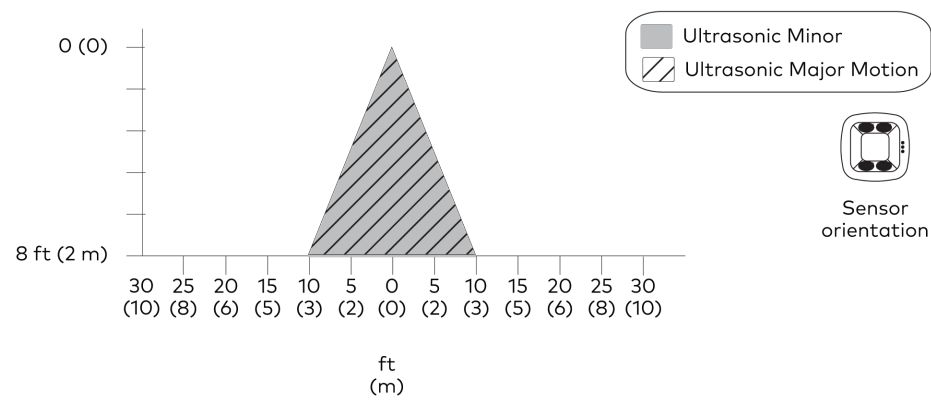


Side View Sensor Orientation A



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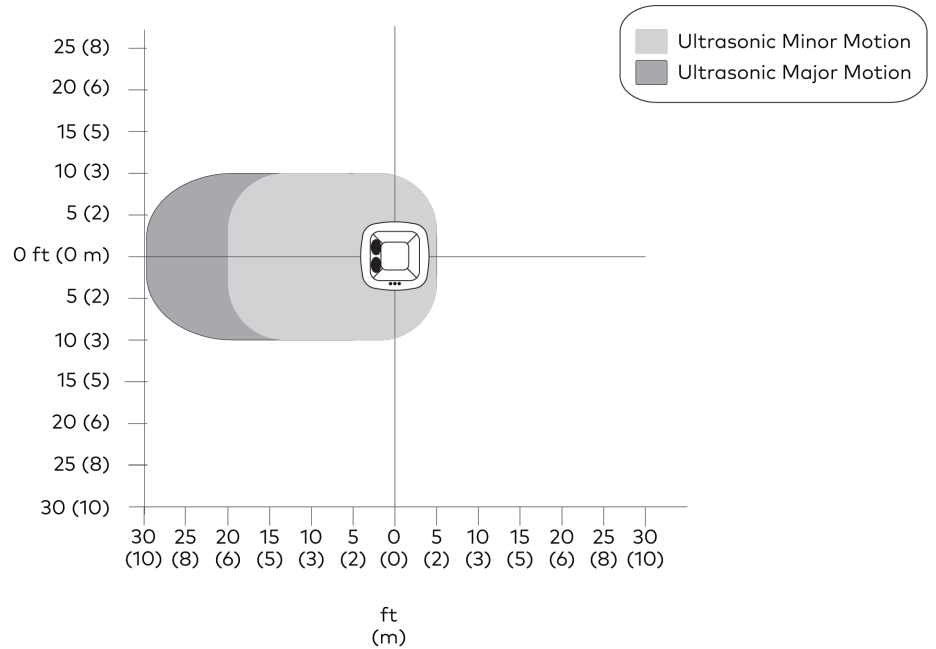
Side View Sensor Orientation B



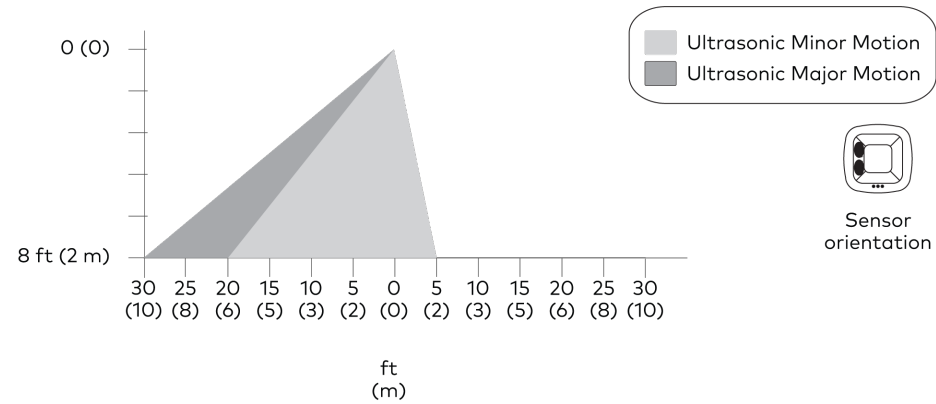
Zūm Wired Presence Detectors with Link Communication

ZUMLINK-US-ONEWAY-DLS/ ZUMLINK-US-ONEWAY-DLS-RLY

Top View

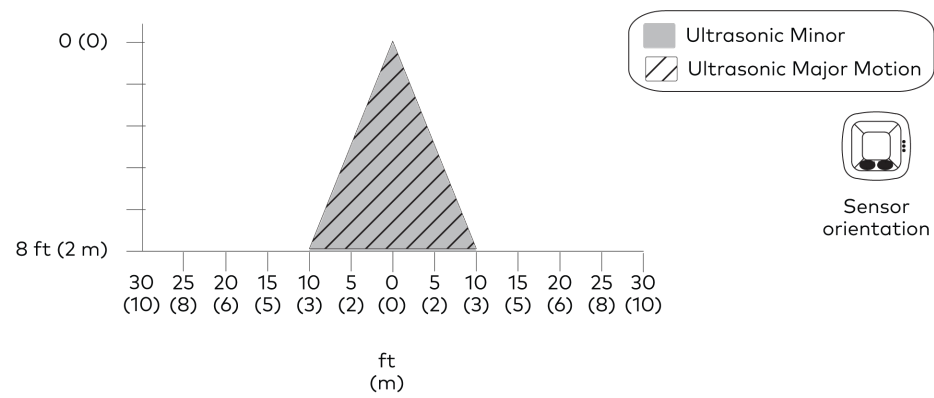


Side View Sensor Orientation A



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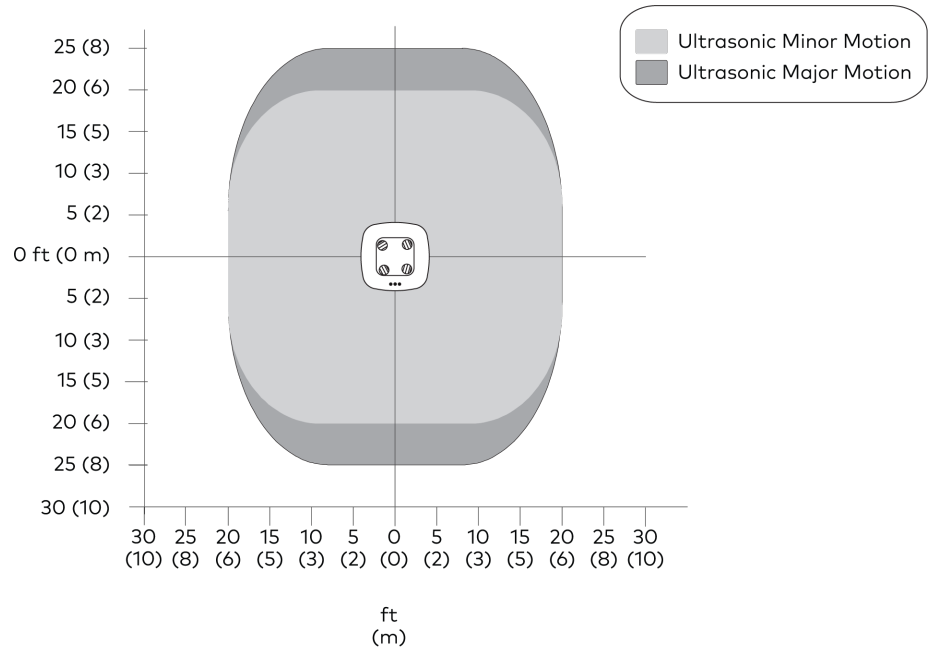
Side View Sensor Orientation B



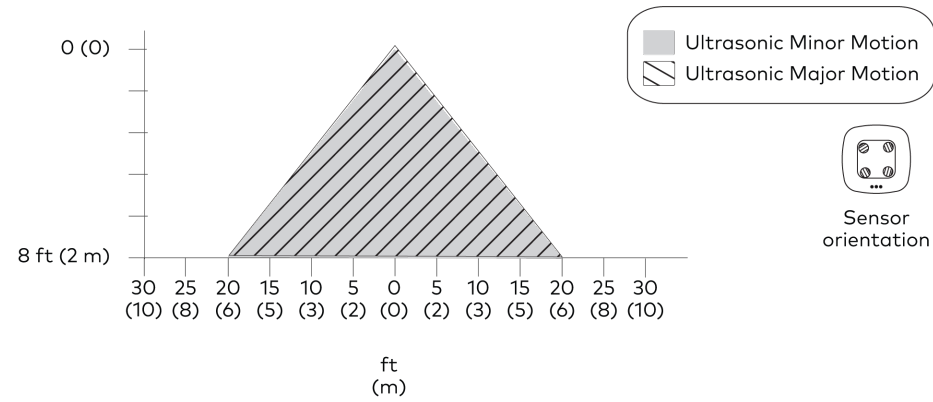
Zūm Wired Presence Detectors with Link Communication

ZUMLINK-US-QUATTRO-DLS/ ZUMLINK-US-QUATTRO-DLS-RLY

Top View



Side View Sensor Orientation A



Zūm Wired Presence Detectors with Link Communication

Side View Sensor Orientation B

