Ultrasonic Dual-Direction Hallway Presence Detector with Zūm® Wired Lighting Control

- *Ceiling-mount presence sensor*
- *Ultrasonic 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 Zūm® Link network*
- *Compatible with Zūm wired keypad*
- *For the -RLY model, 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 Zūm® Link wired communication are part of a system designed to provide sophisticated lighting control with simple installation. A wired solution for Zūm 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 Zūm Link devices (such as the ZUMLINK-KP keypad or Zūm 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.

Presence Detector with Daylight Sensing

- ZUMLINK-US-HALLWAY-DLS with ultrasonic technology and bidirectional detection for hallways

Presence Detector with Daylight Sensing and Output Relay

- ZUMLINK-US-HALLWAY-DLS-RLY with ultrasonic technology and bidirectional detection for hallways

Zūm Link Wired Technology

Zūm Link technology enables in-room lighting control through keypads and sensors wired to controllers. Zūm 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 Zūm Wired devices work together in a local ecosystem to provide customized solutions using the Zūm app via Bluetooth connectivity.

Easy Installation

For flexibility and ease-of-use, install Zūm devices (load controllers, keypads, and presence detectors) and connect them with Zūm Link (CBL-CAT5E-ZUMLINK-P) or Zūm 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 Zūm 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 or the Zūm app. The ZUMLINK-KP Bluetooth® connection is required to configure a Zūm wired space with the Zūm app.

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Specifications

Power Requirements

Power Rating	18 - 24VDC/VAC (22 mA)
Control Output	1A @ 30VAC/VDC

Ultrasonic Detection

Sensing	Bidirectional ultrasonic (40 kHz)
Coverage	6.5 x 65 ft linear
Detection Zones	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

Controls & Indicators

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

Connections

ZUMLINK	(2) RJ-45 orange ports; In-room Zūm Link device daisy-chaining; Maximum 750mA pass-through current including any internal power supply
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)

Dimensions

Height	4.73 in. (121 mm)
Width	4.73 in. (121 mm)
Depth	2.84 in. (72 mm)

Compliance

Regulatory Mode: M202111004

UL® Listed

Models

ZUMLINK-US-HALLWAY-DLS
Ultrasonic Dual-Direction Hallway Presence Detector with Daylight Sensing and Link Communication for Zūm® Wired Lighting Control

ZUMLINK-US-HALLWAY-DLS-RLY
Ultrasonic Dual-Direction Hallway Presence Detector with Daylight Sensing, HVAC Control, and Link Communication for Zūm® Wired Lighting Control

Available Accessories

For a list of available accessories, visit ZUMLINK-US-HALLWAY-DLS and ZUMLINK-US-HALLWAY-DLS-RLY 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.

The specific patents that cover Crestron products are listed online at www.crestron.com/legal/patents.

Certain Crestron products contain open source software. For specific information, please visit www.crestron.com/opensource.
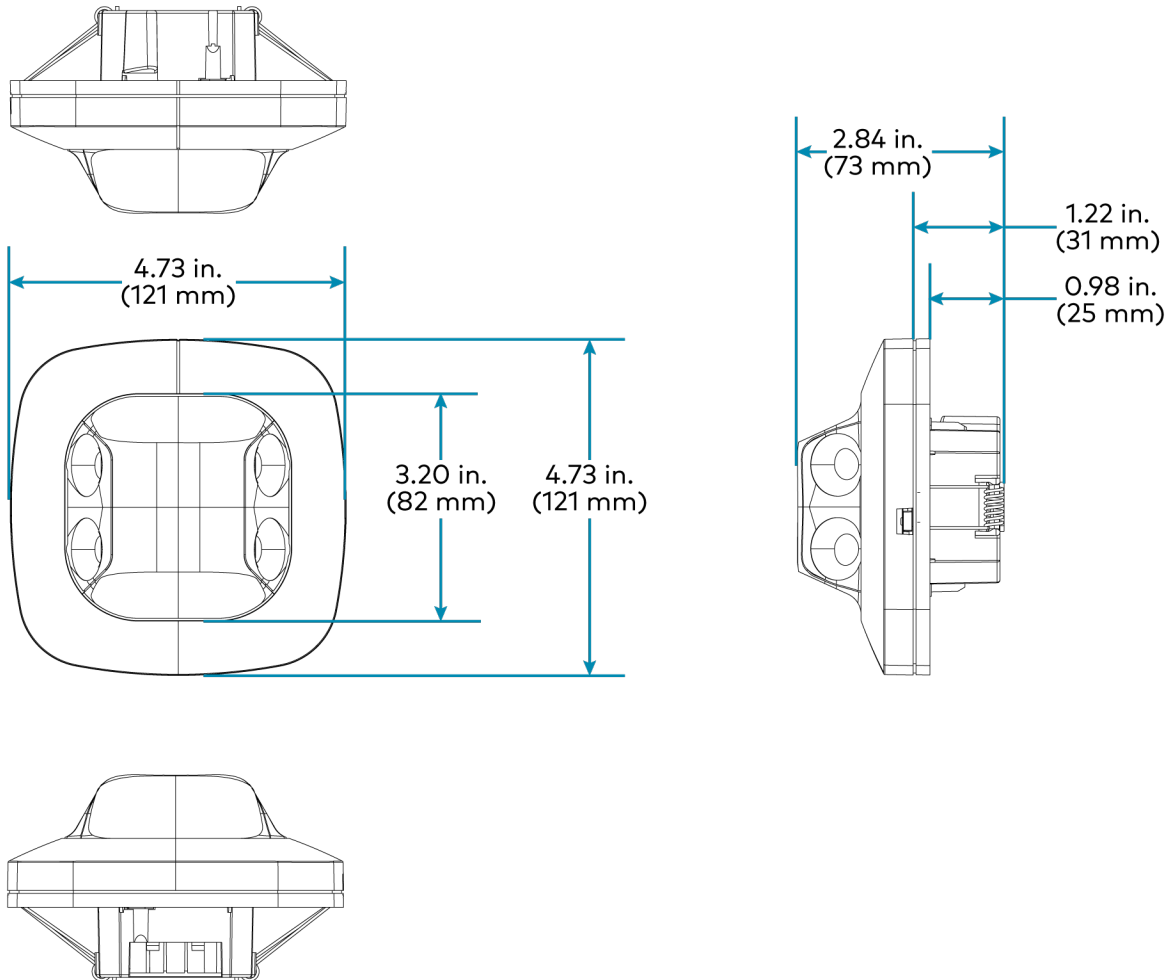
Rev 10/17/23

Ultrasonic Dual-Direction Hallway Presence Detector with Zūm® Wired Lighting Control

4.73 in.
(121 mm)

3.20 in.
(82 mm)

4.73 in.
(121 mm)

2.84 in.
(73 mm)

1.22 in.
(31 mm)

0.98 in.
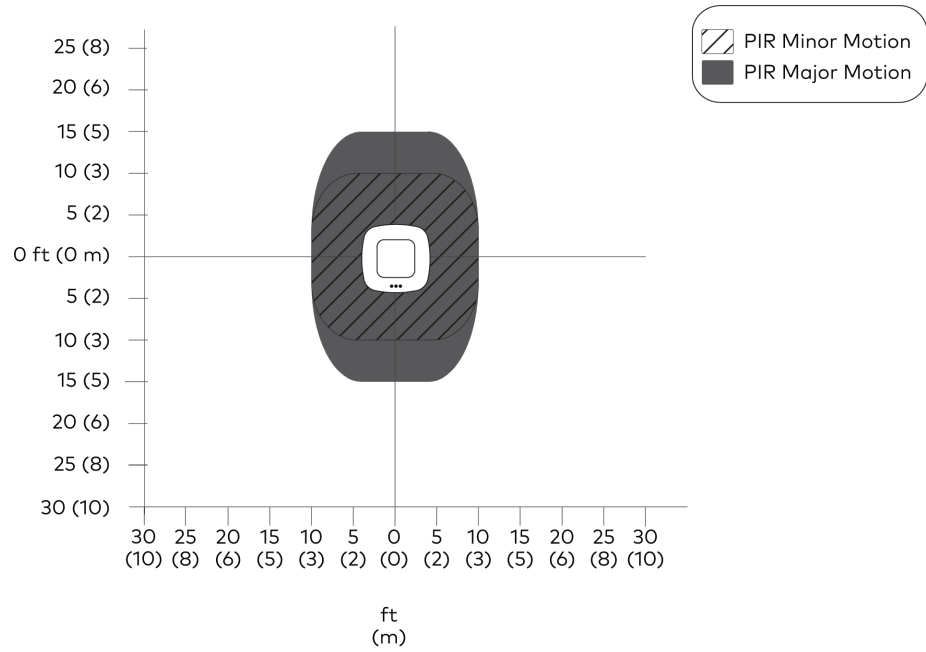(25 mm)

Beam Pattern Coverage

Ultrasonic Dual-Direction Hallway Presence Detector with Zūm® Wired Lighting Control

> **NOTE:** Detection along the far edge of the detection range may be inconsistent.
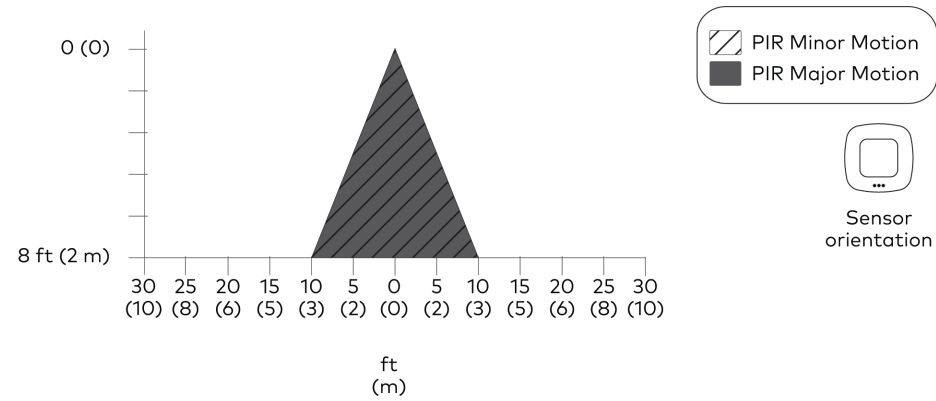
ZUMLINK-IR-QUATTRO-DLS/ ZUMLINK-IR-QUATTRO-DLS-RLY
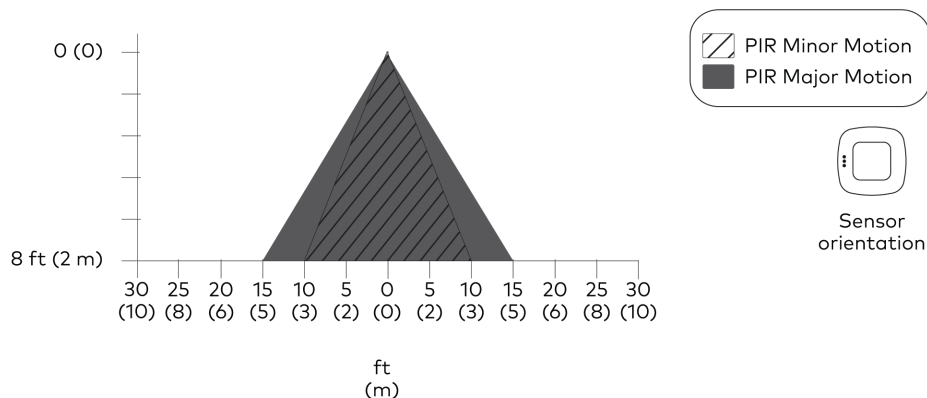
Top View

Side View Sensor Orientation A

Ultrasonic Dual-Direction Hallway Presence Detector with Zūm® Wired Lighting Control

Side View Sensor Orientation B

PIR Minor Motion
PIR Major Motion

Sensor orientation

ft
(m)

Top View

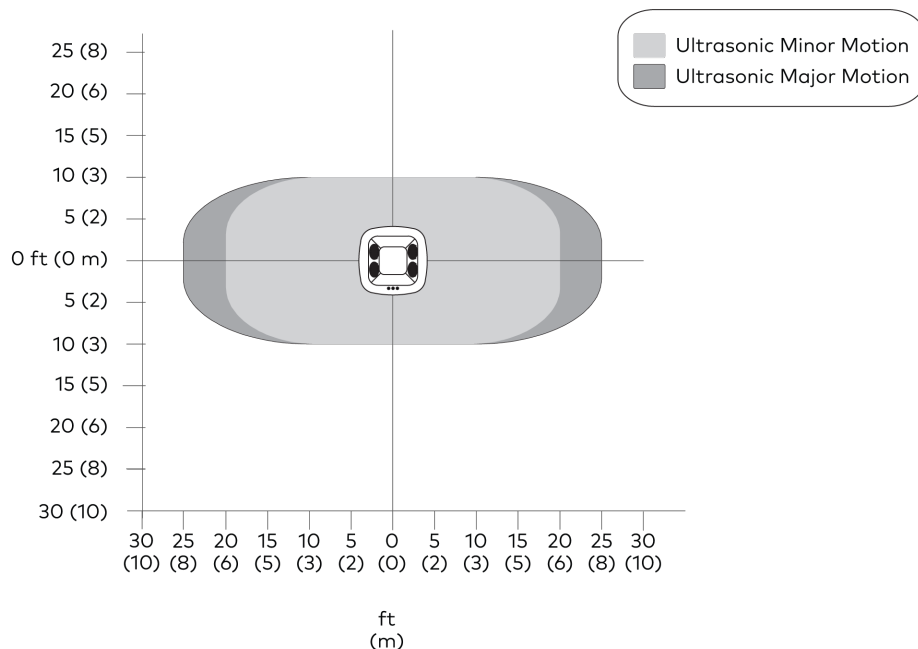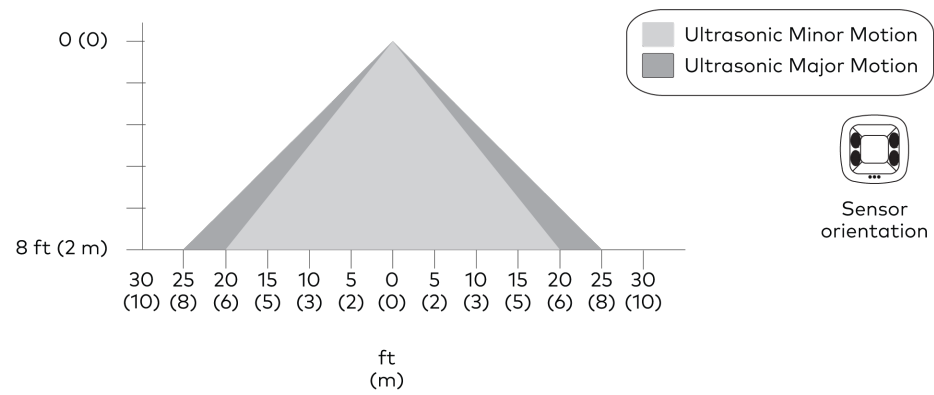Ultrasonic Minor Motion
Ultrasonic Major Motion

ft
(m)

CRESTRON®

Ultrasonic Dual-Direction Hallway Presence Detector with Zūm® Wired Lighting Control

Side View Sensor Orientation A

| | Ultrasonic Minor Motion |
| | Ultrasonic Major Motion |

Sensor orientation

0 (0)

8 ft (2 m)

| 30 | 25 | 20 | 15 | 10 | 5 | 0 | 5 | 10 | 15 | 20 | 25 | 30 |
| (10) | (8) | (6) | (5) | (3) | (2) | (0) | (2) | (3) | (5) | (6) | (8) | (10) |

ft
(m)

Side View Sensor Orientation B

| | Ultrasonic Minor |
| | Ultrasonic Major Motion |

Sensor orientation

0 (0)

8 ft (2 m)

| 30 | 25 | 20 | 15 | 10 | 5 | 0 | 5 | 10 | 15 | 20 | 25 | 30 |
| (10) | (8) | (6) | (5) | (3) | (2) | (0) | (2) | (3) | (5) | (6) | (8) | (10) |

ft
(m)