

Ultrasonic Dual-Direction Hallway Presence Detector with Züm® 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 Züm® Link network*
- *Compatible with Züm 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 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 Züm Link 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 daylighting capabilities to adjust the lighting based on natural light. 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. The presence detectors mount directly to the ceiling or via a junction box (not included).

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 provide daisy-chaining and lighting control of compatible loads.

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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 occupancy, vacancy, or daylight sensors may also be installed in a Züm space wired to the a load controller.

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](#) or the Züm app. The [ZUMLINK-KP](#) Bluetooth® connection is required to configure a Züm wired space with the Züm app.

Specifications

Load Control

Control	1A @ 30VAC/VDC
Output	

Züm Link Power Bus Requirements

Max Current	28 mA
Consumption	

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
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Connections

ZUMLINK	(2) RJ-45 orange ports; In-room Züm 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)
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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 Züm® Wired Lighting Control

ZUMLINK-US-HALLWAY-DLS-RLY

Ultrasonic Dual-Direction Hallway Presence Detector with Daylight Sensing, HVAC Control, and Link Communication for Züm® 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.

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

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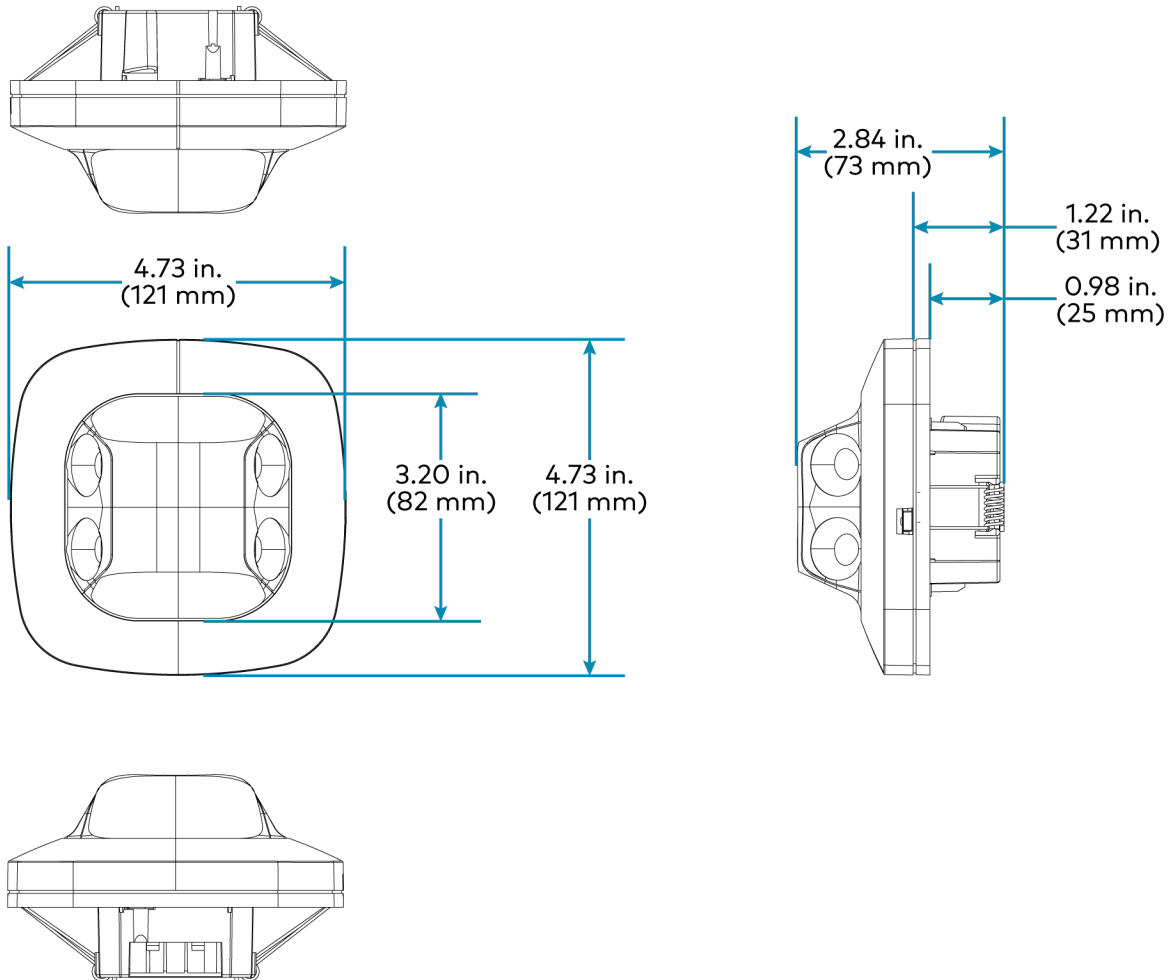
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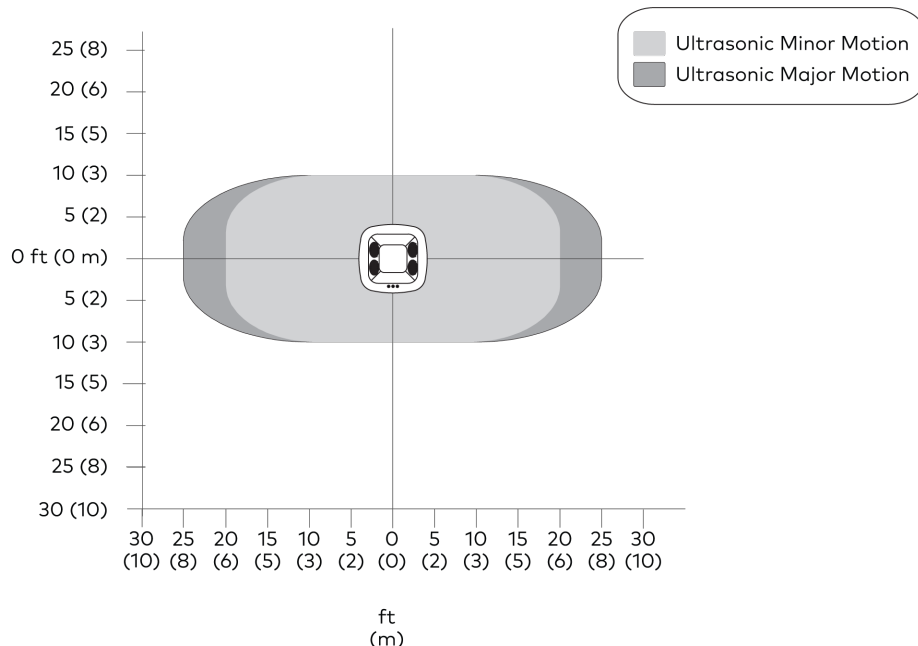


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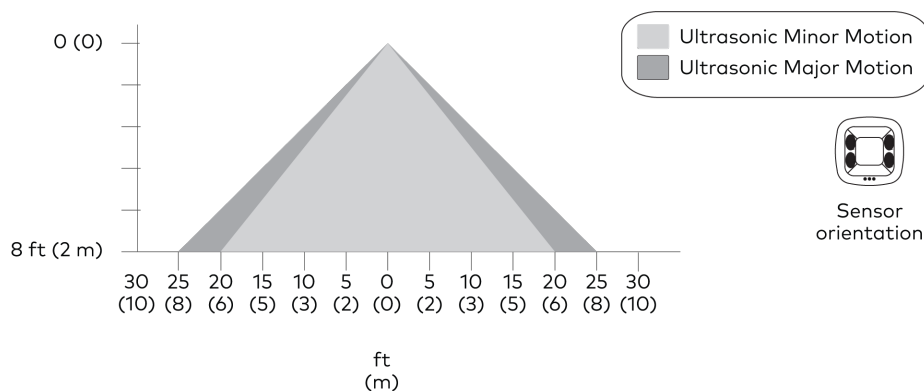
Beam Pattern Coverage

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

Top View



Side View Sensor Orientation A



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

Side View Sensor Orientation B

