

## Zūm 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 Zūm® Link network*
- *Compatible with Zūm 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 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 Zūm Link 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 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 Zūm Link Presence Detectors are offered:

### Zūm Link Presence Detectors 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

### Zūm Link Presence Detectors 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

### 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 provide daisy-chaining and lighting control of compatible loads.

### 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. Non-system occupancy, vacancy, or daylight sensors may also be installed in a Zūm space wired to the a load controller.

### 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.

## Zūm Wired Presence Detectors with Link Communication

## Specifications

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

<b>Power Rating</b>	18 - 24VDC/VAC (25 mA)
<b>Control Output</b>	1A @ 30VAC/VDC
<b>Sensing</b>	Passive Infrared (PIR)
<b>Coverage</b>	360° square mechanically scalable detection zones
<b>Sensors</b>	single infrared pyroelectric detector
<b>Detection Zones</b>	<b>Presence:</b> Minor motion as described by NEMA WD7; Maximum: 15 x 15 ft (225 sq ft) <b>Radial:</b> Motion either directly toward or away from the sensor; Maximum: 15 x 15 ft (225 sq ft) <b>Tangential:</b> Motion perpendicular to the sensor; Maximum: 23 x 23 ft (529 sq ft)
<b>Light Level Setting</b>	10-1000lux / 1-100 fc
<b>Dimensions</b>	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**

<b>Power Rating</b>	18 - 24VDC/VAC (32 mA)
<b>Control Output</b>	1A @ 30VAC/VDC
<b>Sensing</b>	Extremely high definition Passive Infrared (PIR)
<b>Coverage</b>	360° square mechanically scalable detection zones
<b>Sensors</b>	4 infrared pyroelectric detectors
<b>Detection Zones</b>	<b>Presence:</b> Minor motion as described by NEMA WD7; Maximum: 25.5 x 25.5 ft (650 sq ft)/ 7.9 x 7.9 m (62 sq m) <b>Radial:</b> Motion either directly toward or away from the sensor; Maximum: 25.5 x 25.5 ft (650 sq ft)/ 7.9 x 7.9 m (62 sq m) <b>Tangential:</b> Motion perpendicular to the sensor; Maximum: 65.5 x 65.5 ft (4290 sq ft)/ 20 x 20 m (400 sq m)
<b>Light Level Setting</b>	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**

<b>Power Rating</b>	18 - 24VDC/VAC (25 mA)
<b>Control Output</b>	1A @ 30VAC/VDC
<b>Sensing</b>	Passive Infrared (PIR) and ultrasonic (40 kHz)
<b>Coverage</b>	360°
<b>Sensors</b>	Single infrared pyroelectric detector
<b>Detection Zones</b>	<b>Presence:</b> Minor motion as described by NEMA WD7; PIR: Maximum: 10 x 10 ft (100 sq ft)/ 3 x 3 m (9 sq m); US: Maximum: 20 x 20 ft (400 sq ft)/ 6 x 6 m (36 sq m) <b>Radial:</b> Motion either directly toward or away from the sensor; PIR: Maximum: 6.5 ft / 2 m; US: Up to 16.4 ft / 5 m <b>Tangential:</b> Motion perpendicular to the sensor; PIR: Maximum: 13 ft / 4 m; US: Up to 16.4 ft / 5 m
<b>Light Level Setting</b>	10-1000lux / 1-100 fc
<b>Dimensions</b>	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**

<b>Power Rating</b>	18 - 24VDC/VAC (25 mA)
<b>Control Output</b>	1A @ 30VAC/VDC
<b>Sensing</b>	Bidirectional ultrasonic (40 kHz)
<b>Coverage</b>	6.5 x 65 ft linear
<b>Ultrasonic Detection</b>	Maximum: 6.5 x 65 ft (422.5 sq ft)/ 2 x 20 m (40 sq m) Minimum: 6.5 x 20 ft (130 sq ft)/ 2 x 5 m (10 sq m)
<b>Light Level Setting</b>	10-1000lux / 1-100 fc
<b>Dimensions</b>	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**

<b>Power Rating</b>	18 - 24VDC/VAC (25 mA)
<b>Control Output</b>	1A @ 30VAC/VDC
<b>Sensing</b>	Unidirectional ultrasonic (40 kHz) occupancy sensor
<b>Coverage</b>	6.5 x 35 ft linear
<b>Ultrasonic Detection</b>	Maximum: 6.5 x 33 ft (214.5 sq. ft)/ 2 x 10 m (20 sq m) Minimum: 6.5 x 10 ft (65 sq ft)/ 2 x 2.5 m (5 sq m)
<b>Light Level Setting</b>	10-1000lux / 1-100 fc
<b>Dimensions</b>	Height: 4.73 in. (121 mm) Width: 4.73 in. (121 mm) Depth: 2.84 in. (mm)

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

<b>Power Rating</b>	18 - 24VDC/VAC (25 mA)
<b>Control Output</b>	1A @ 30VAC/VDC
<b>Sensing</b>	Omnidirectional ultrasonic (40 kHz) presence detection
<b>Coverage</b>	360°
<b>Detection Zones</b>	<b>Presence:</b> Minor motion as described by NEMA WD7; Maximum: 20 x 20 ft (400 sq ft)/ 6 x 6 m (36 sq m) <b>Radial:</b> Motion either directly toward or away from the sensor; Maximum: 32 x 32 ft (1,000 sq ft)/ 10 x 10 m (100 sq m) <b>Tangential:</b> Motion perpendicular to the sensor; Maximum: 32 x 32 ft (1,000 sq ft)/ 10 x 10 m (100 sq m)
<b>Light Level Setting</b>	10-1000lux / 1-100 fc
<b>Dimensions</b>	Height: 4.73 in. (121 mm) Width: 4.73 in. (121 mm) Depth: 2.67 in. (68 mm)

**Controls & Indicators**

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

**Connections**

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

**Environmental**

<b>Temperature</b>	32° to 104°F (0° to 40°C)
<b>Rating</b>	IP20 rated

**Enclosure**

<b>Material</b>	Plastic
<b>Mounting</b>	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 Detector with Daylight Sensing, HVAC Control, and Link Communication

## Zūm Wired Presence Detectors with Link Communication

### **ZUMLINK-US-QUATTRO-DLS-RLY**

Zūm® Wired Ultrasonic 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.

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](http://www.crestron.com/How-To-Buy/Find-a-Representative) or by calling 855-263-8754.

This product is covered under the Crestron standard limited warranty. Refer to [www.crestron.com/warranty](http://www.crestron.com/warranty) for full details.

The specific patents that cover Crestron products are listed online at [patents.crestron.com](http://patents.crestron.com).

Certain Crestron products contain open source software. For specific information, please visit [www.crestron.com/opensource](http://www.crestron.com/opensource).

Crestron, the Crestron logo, and Zūm are either trademarks or registered trademarks of Crestron Electronics, Inc. in the United States and/or other countries. Bluetooth is either a trademark or registered trademark of Bluetooth SIG, Inc. in the United States and/or other countries. STEINEL is either a trademark or registered trademark of Steinel Vertrieb GmbH in the United States and/or other countries. UL is either a trademark or registered trademark of UL LLC in the United States and/or other countries. Other trademarks, registered trademarks, and trade names may be used in this document to refer to either the entities claiming the marks and names or their products. Crestron disclaims any proprietary interest in the marks and names of others. Crestron is not responsible for errors in typography or photography.

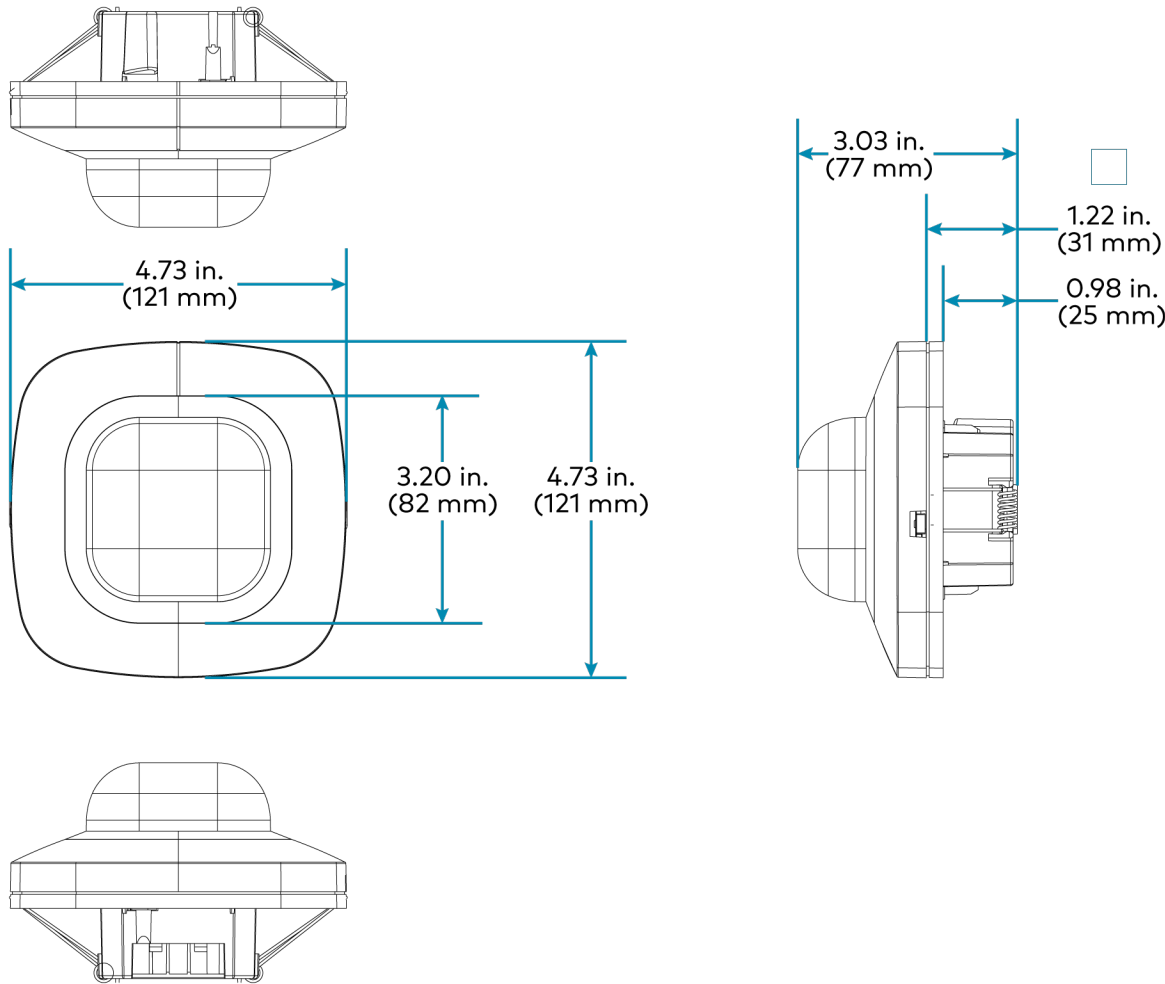
Specifications are subject to change without notice.

©2021 Crestron Electronics, Inc.

Rev 10/22/21

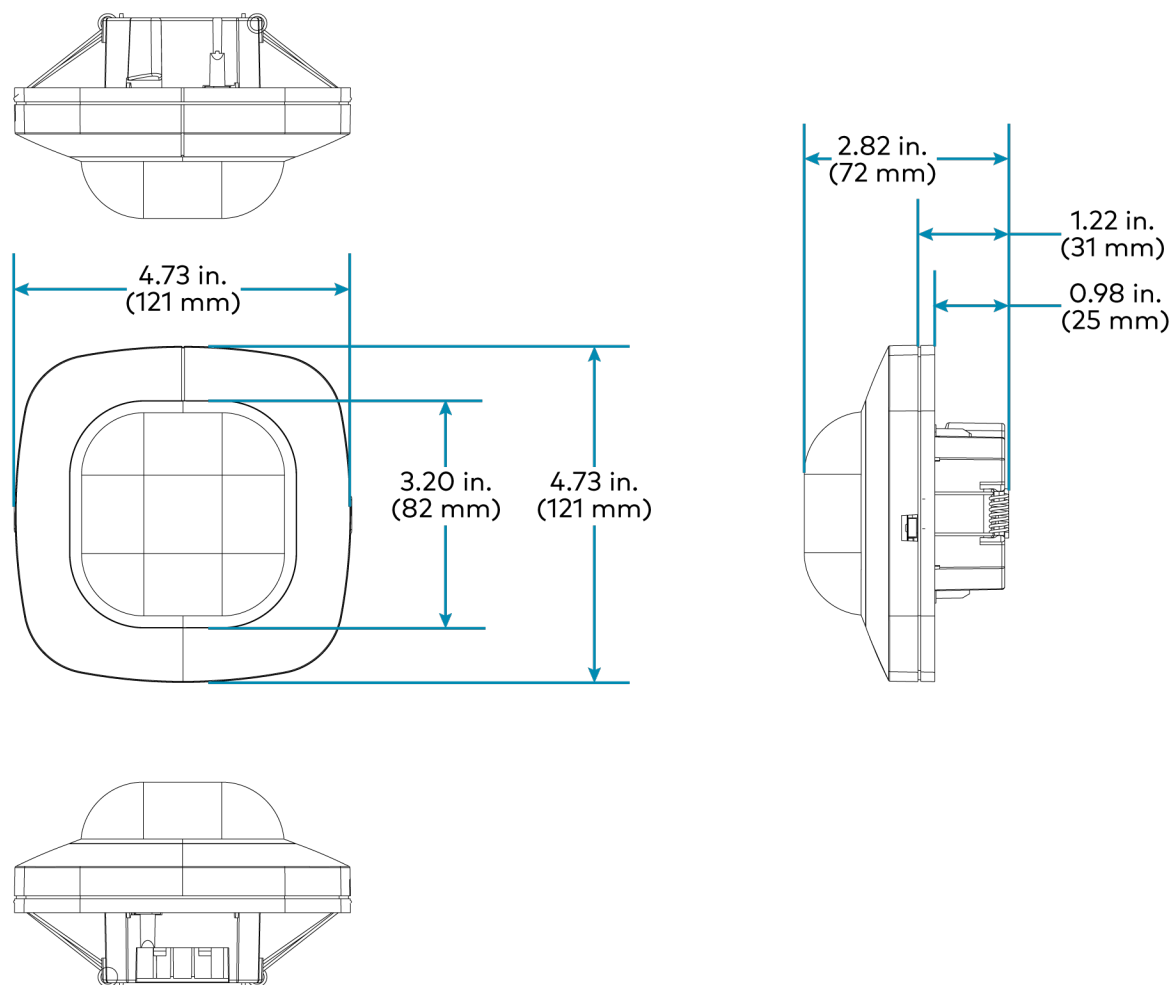
Zūm Wired Presence Detectors with Link Communication

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



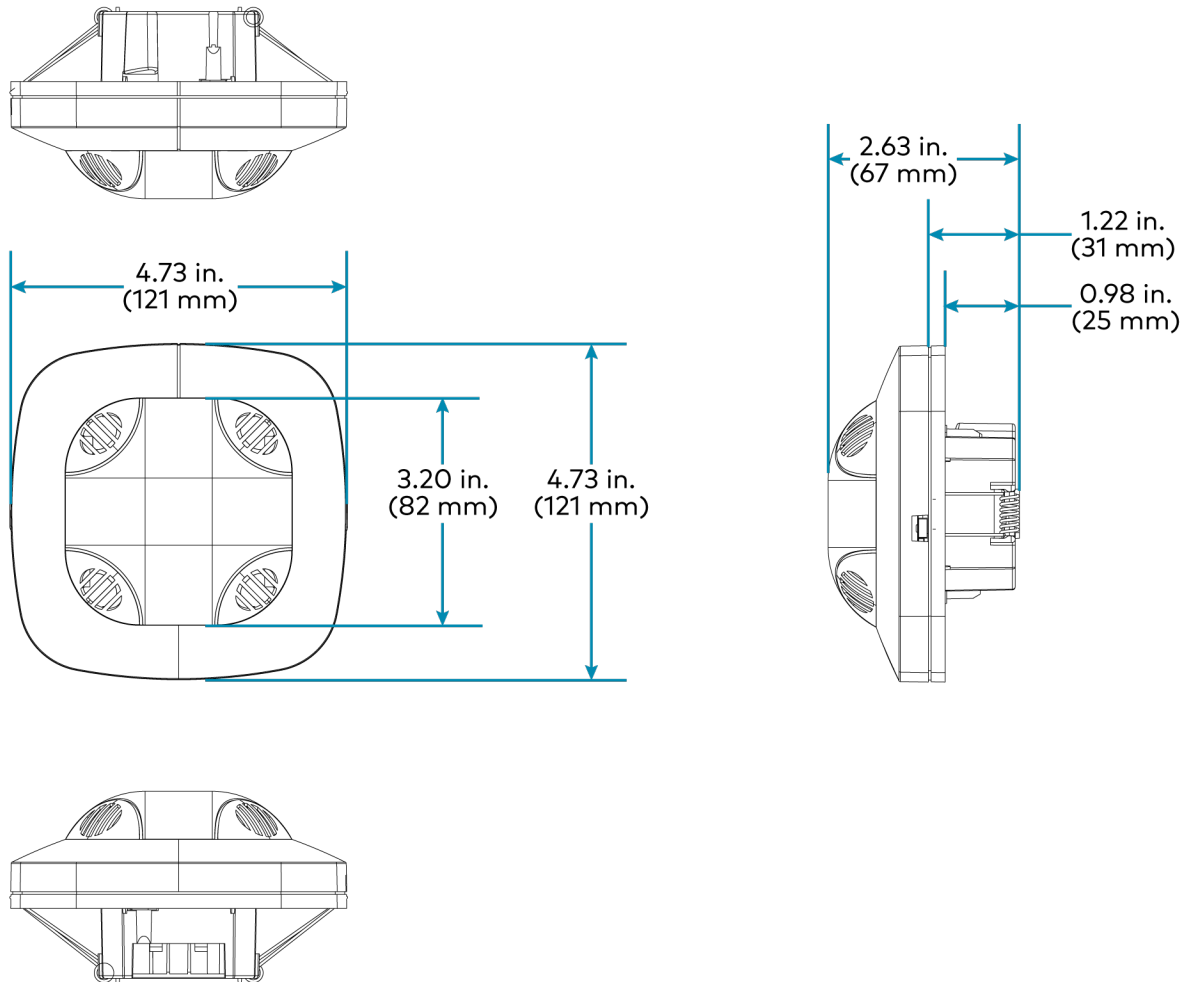
## Zūm Wired Presence Detectors with Link Communication

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



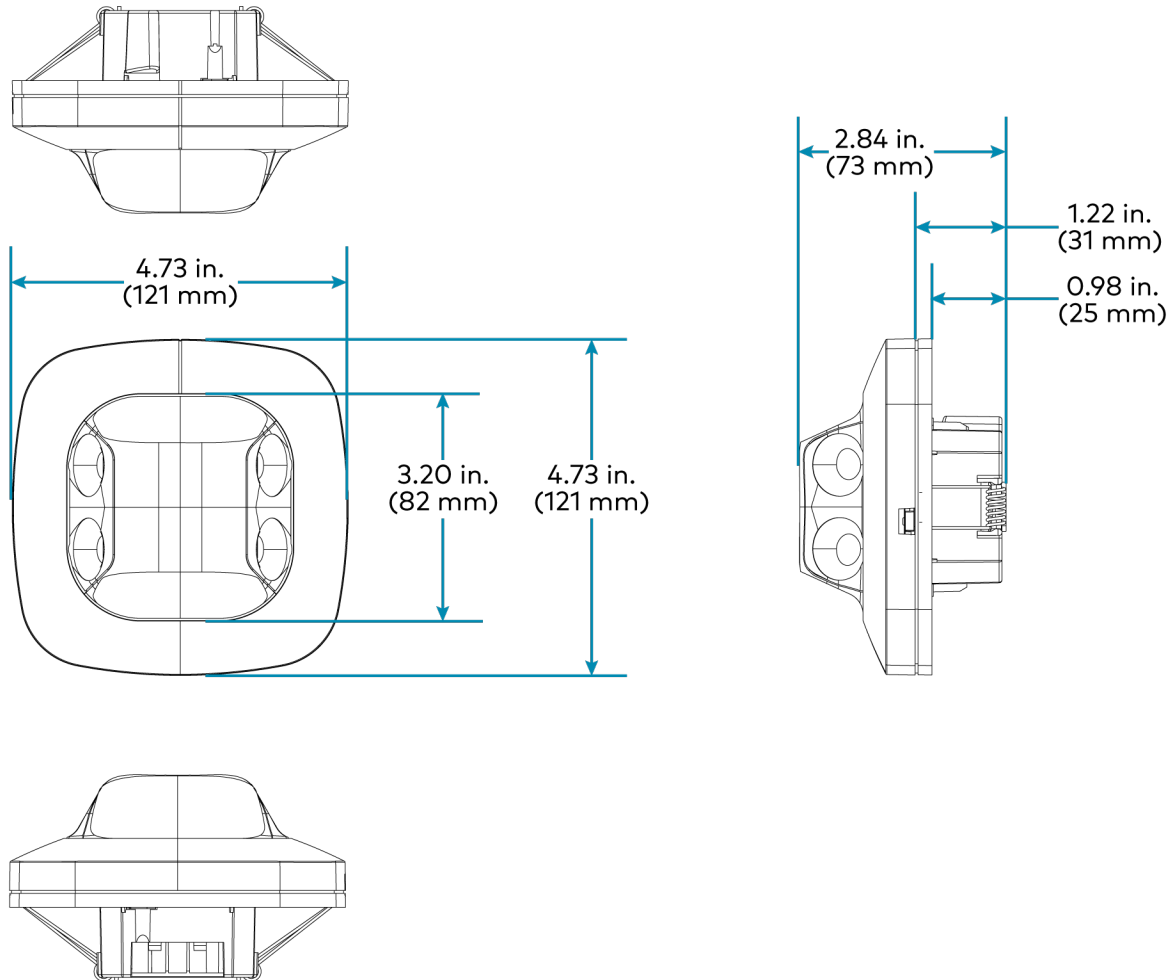
## Zūm Wired Presence Detectors with Link Communication

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



## Zūm Wired Presence Detectors with Link Communication

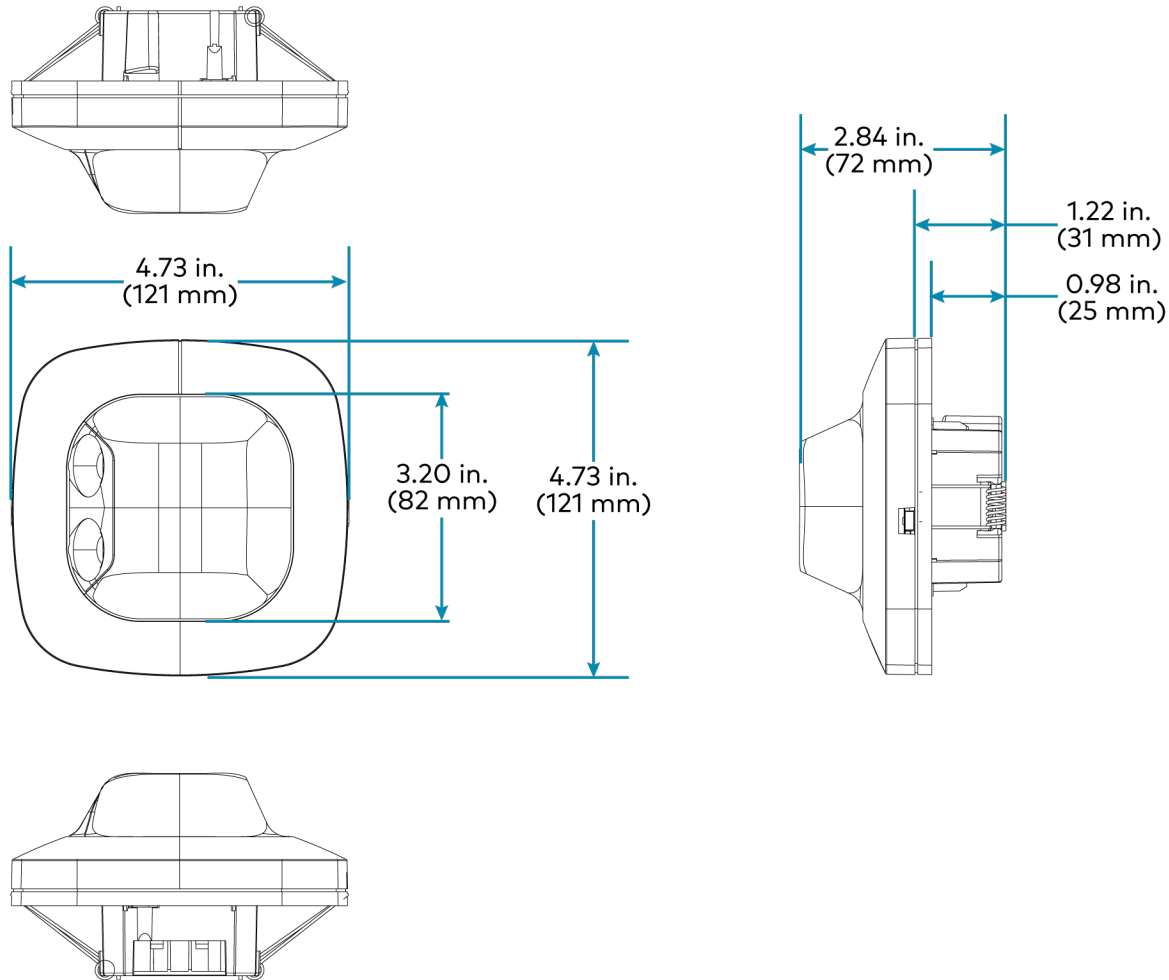
ZUMLINK-US-HALLWAY-DLS and ZUMLINK-US-HALLWAY-DLS-RLY





## 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

