



# LZR®-WIDESCAN

MOTION, PRESENCE, AND SAFETY SENSOR WITH VIRTUAL PULL-CORD FUNCTIONALITY



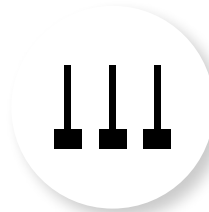
### Hygienic Solution

Virtual pull-cord offers hands-free activation, reducing touchpoints



### Adjustable Settings

Differentiate between pedestrian & vehicle traffic with a set minimum presence time



### Multiple Pull-Cords

Program up to three pull-cords & modify as needed



### Additional Activation

Motion, presence & safety detection fields add functionality for opening

## HANDS-FREE ACTIVATION

### REDUCE TOUCHPOINTS

Enhancing hygiene and efficiency in the workplace

### ELIMINATE CEILING CLUTTER

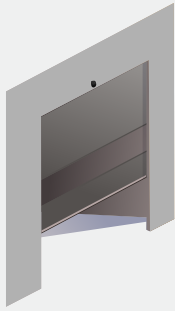
Efficient alternative to traditional physical mechanisms

### ENCOURAGE TRAFFIC PATTERNS

Streamlining movement and reducing congestion in high-traffic areas



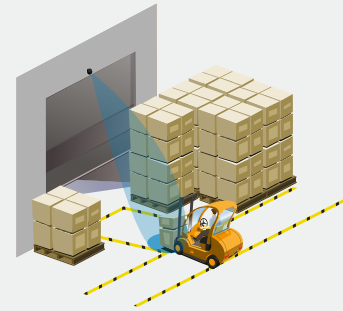
# COMMON APPLICATIONS



## Traffic Control

### PULSE-ON-STOP ACTIVATION

In fast-paced environments, oncoming traffic can pose risks for both sides of the door. Encourage forklift traffic to slow down and come to a complete stop before activating the door.



## Cramped Traffic Zones

### PRECISE ACTIVATION

In environments with cramped traffic zones, it can be difficult to target an activation area. Virtual Pull Cords allow for precise activation spots to eliminate unwanted door activations.

# TECHNICAL SPECIFICATIONS

## TECHNOLOGY / PERFORMANCE

<b>Technology</b>	LASER scanner, time-of-flight measurement (7 laser curtains)
<b>Detection mode</b>	motion, presence, height, and speed
<b>Max. detection field</b>	width: 1.2 x mounting height depth: 1.2 x mounting height  adjustable, depending on user settings
<b>Thickness of first curtain</b>	¼"
<b>Typ. mounting height</b>	6'6" – 32'
<b>Min. reflectivity factor</b>	> 2 % (of floor and object) (measured at max. 19'6" in safety field)
<b>Typ. min. object size</b>	6" at 19'6" (in proportion to object distance)
<b>Testbody</b>	27 ½" x 11 ¾" x 7 ¾"

## ELECTRICAL

<b>Emission characteristics</b>	
IR laser:	wavelength 905 nm; output power 0.10mW (CLASS 1)
Red visible laser:	wavelength 635 nm; output power 0.95mW (CLASS 2)
<b>Supply voltage</b>	12 – 24 VAC -10/+20% 12 – 30 VDC ±10% at sensor terminal
<b>Power consumption</b>	< 2.5 W (heating = OFF) < 10 W, max 15 W (heating = ECO or AUTO)
<b>Response time</b>	typ. 230 ms max. 800 ms (depending on immunity settings)

<b>Output</b>	2 solid-state relays (galvanic isolation, polarity free) 24 VAC / 30 VDC (max. switching voltage) 100 mA (max. switching current) - in switching mode: NO/NC - in frequency mode: pulsed signal (f= 100 Hz ±10%)  1 electro-mechanic relay (galvanic isolation, polarity free) 42 VAC/VDC (max. switching voltage) 500 mA (max. switching current)
<b>Input</b>	30 VDC (max. switching voltage) low < 1 V high > 10 V (voltage threshold)
<b>Bluetooth communication</b>	operating bandwidth: 2402 - 2480 MHz max. transmitted power: 12 dBm

## PHYSICAL

<b>Dimensions</b>	7 ¾" (H) x 6" (W) x 4" (D) (approx.)
<b>Material / Color</b>	PC, ASA / Black
<b>Protection degree</b>	NEMA 4 / IP65
<b>Temperature range</b>	-22 – 140 °F
<b>Rotation angles on bracket</b>	45° to the right 15° to the left (both directions lockable)
<b>Tilt angles on bracket</b>	-10 – 5°
<b>LED signals</b>	2 tri-colored LED: output status / remote control response / error signals 1 blue LED: Bluetooth status

## COMPLIANCE

<b>Compliance</b>	EN 300 328 V2.2.2, EN 301 489-1 V2.2.2, EN 301 489-17 V3.2.0, EN 60825-1:2014, EN 62311:2008; CSA/UL62368-1
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**Product Questions?**  
Call BEA's Technical Service Team:  
**1.800.407.4545**