



# LZR®-WIDESCAN

MOTION, PRESENCE & SAFETY SENSOR  
FOR INDUSTRIAL DOORS

## VIDEO



[Watch the product video](#)

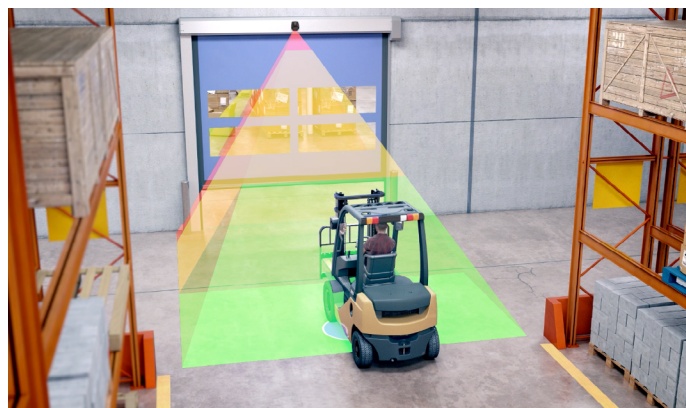
## TECHNOLOGY



## DESCRIPTION

BEA's **LZR®-WIDESCAN** is a LASER-based, Time-of-Flight sensor used for motion, safety and presence detection in a variety of industrial door applications. This highly-configurable solution offers the benefits of activation and safety, while reducing installation time.

This IP65 rated sensor creates a volumetric detection area by generating seven angled LASER curtains. It has the ability to detect objects based on direction, speed, object size and height.



The **LZR®-WIDESCAN** detection field operates independent of ground conditions, allowing for superior functionality in harsh environments.

Easily configure sensor settings with the **LZR®-WIDESCAN** mobile app. The mobile app provides a complete view of sensor settings, from field configurations to immunity.

## Easy Setup

Utilize mobile app to easily configure sensor settings (available on the Apple App Store & Google Play Store)

## Energy-Efficient

Promotes energy savings by reducing false detections / unnecessary door cycling, helping to regulate HVAC

## Virtual Pull-Cord

Virtual pull-cord function can differentiate between pedestrian and vehicle traffic and can provide pulse-on-stop activation

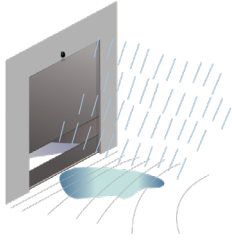
## Alternative Solution

Ideal for replacing costly / labor-intensive induction loop and pull-cord solutions

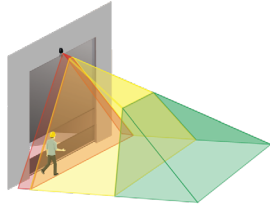
## Visible Spots

Two visible LASER alignment spots ensure accurate pattern placement

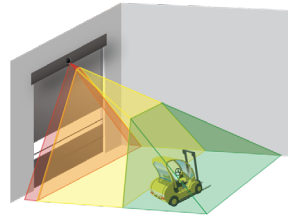
## APPLICATIONS



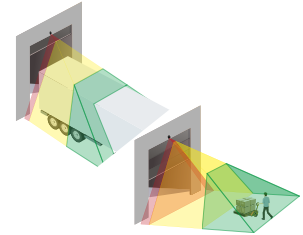
Dynamic Ground Conditions



Pedestrian Safety



Directionality



Full-Open / Partial-Open

## TECHNICAL SPECIFICATIONS

<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 / 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>Typ. Minimum Object Size</b>	6" @ 19'6" (in proportion to object distance)
<b>Test Body Dimensions</b>	27 ½" x 11 ¾" x 7 ¾"
<b>Min. Reflectivity Factor</b>	> 2% (of floor and object) (measured at max. 19'6" in safety field)
<b>Emission Characteristics</b>	
IR LASER	Wavelength 905 nm; output power 0.10 mW (CLASS 1)
Red Visible LASER	Wavelength 635 nm; output power 0.95 mW (CLASS 2)
<b>Supply Voltage</b>	12 – 24 VAC -10/+20% 12 – 30 VDC ±10% @ sensor terminal
<b>Power Consumption</b>	
Heating: Off	< 2.5 W
Heating: Eco or Auto	< 10 W, max 15 W
<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>LED-Signal</b>	2 tri-colored LEDs: Output status / Remote Control Response / Error Signals 1 Blue LED: Bluetooth status
<b>Dimensions</b>	7 ¾" (H) x 6" (W) x 4" (D) (approx.)
<b>Material / Color</b>	PC / ASA / Black
<b>Rotation Angles on Bracket</b>	45° to the right, 15° to the left (lockable)
<b>Tilt Angles on Bracket</b>	-10 – 5°
<b>Degree of Protection</b>	IP65
<b>Temperature Range</b>	-22 – 140 °F
<b>Norm Conformity</b>	IEC 61000-6-2, IEC 61000-6-3, IEC 60950-1, IEC 60825-1, ISO 13849-1 PL "d"/ CAT2, IEC 62061 SIL 2

## PRODUCT SERIES



**10LZRWIDESCAN**  
Motion, presence & safety sensor



**10INDBRACKET**  
Industrial mounting bracket



**10MINIBRACKET**  
Short adjustable mounting bracket



**10.1311**  
LZR-WIDESCAN adapter kit



**10WBA**  
Universal mounting bracket arm



**10WBAMOUNT**  
Universal mounting bracket plate



**35.1554**  
30' Cable



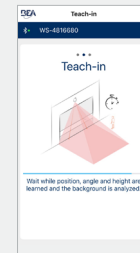
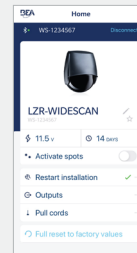
**35.1555**  
50' Cable

## INSTALLATION

- Intuitive configuration via app
- Two visible spots help aligning the detection fields
- Flexible detection fields that can be adapted to any environment
- Plug & play installation

## APP

Download the LZR WIDESCAN app on the Apple App Store and Google Play Store.



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