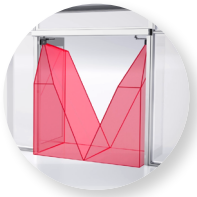




## ▶ LZR®-FLATSCAN 3D SW

Dynamic safety sensor for low-energy swing doors in healthcare environments



### Complete Door Leaf Coverage

Detection field extends the entire door width and height (up to 13' diagonally)



### Enhanced Safety

Three-dimensional detection field provides Leading-Edge Safety for detection beyond the door leaf and coverage of the hinge area with Finger Detection Technology™



### LASER-based Technology

Capable of ignoring dynamic ground conditions (reflective flooring, pedi-mats, wet surfaces, etc.)



### Convenient Low-Energy Kits

Tailored kits to suit all types of low-energy installations, including simultaneous pair and dual egress

## ▽ EXCEEDING ANSI 156.19

### ACTIVATION

Utilize up to two Virtual Push Buttons or opt for a traditional method of activation via push plate, touchless switch, or radio controls

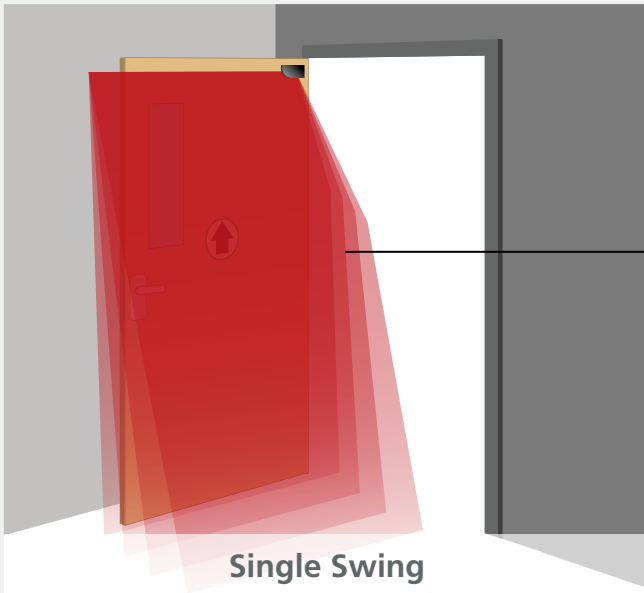


### REACTIVATION

Complete door coverage with LZR-FLATSCAN 3D SW LASER-based sensor



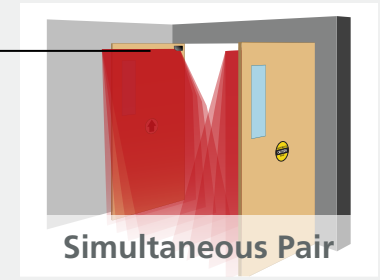
## ▽ LOW-ENERGY DOOR APPLICATIONS



Available kits: 10LZRFLATSCAN3D-LB  
10LZRFLATSCAN3D-RB

### REACTIVATION

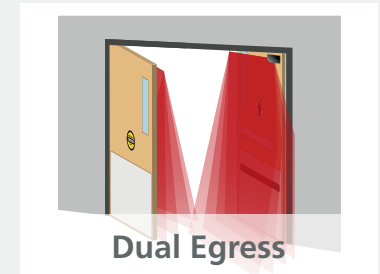
LASER-based sensor  
(handed for door leaf)



Available kits: 10LZRFLATSCAN3D-LESWBK

### ENHANCED SAFETY

Detection field extends beyond the hinge area



Available kits: 10LZRFLATSCAN3D-LLEBKIT  
10LZRFLATSCAN3D-LERBKIT

## ▽ TECHNICAL SPECIFICATIONS

### TECHNOLOGY / PERFORMANCE

<b>Technology</b>	LASER scanner, time-of-flight measurement
<b>Detection mode</b>	Presence
<b>Max. detection range</b>	13' (diagonal) with reflectivity of 2% e.g. at 5' width, max. H = 12'
<b>Recommended mounting height</b>	75 – 98"
<b>Opening angle</b>	Door leaf safety: 80° Pinch zone safety: 20°
<b>Angular resolution</b>	Curtain 1: 0.2° Curtain 2: 1° Curtain 3: 1.7° Curtain 4: 2.5°
<b>Tilt angles</b>	0 – 5°
<b>Typ. min. object size</b>	¾" @ 13' in curtain C1
<b>Min. door leaf speed</b>	2°/sec
<b>Emission characteristics (IEC 60825-1)</b>	IR LASER: wavelength 905 nm; output power < 0.1mW; Class 1

### ELECTRICAL

<b>Supply voltage *</b>	12 – 24 VDC ±15% (to be operated from SELV-compatible power supplies only)
<b>Power consumption</b>	< 2 W
<b>Response time</b>	Typ. <120 ms (max. 220 ms)
<b>Output</b>	3 electronic relays (galvanic isolation - polarity free)
max. switching voltage	42 VAC/VDC
max. switching current	100 mA

### PHYSICAL

<b>Dimensions</b>	5 ¾" (L) × 3 ½" (H) × 2 ½" (D) mounting base: D + ¾" spacer: D + 1 ½"
<b>Material - Color</b>	PC/ASA - black
<b>Protection degree</b>	IP44 (IEC 60529)
<b>LED signals</b>	1 RGB LED: detection/output status
<b>Temperature range</b>	-13 – 140 °F
<b>Humidity</b>	0 – 95% non-condensing
<b>Vibrations</b>	< 2 G

### COMPLIANCE

<b>Compliance</b>	ISO 13849-1 PL "d"/ CAT2; IEC 60825-1; IEC 62061 SIL 2 UL10 – file # R39071
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\* This sensor is powered by DC voltage only. If only VAC power is available, a 12V transformer paired with a rectifier must be used. Do not use a 24V transformer and rectifier as this will cause damage to the product.

Visit: LZR-FLATSCAN 3D SW

