



▶ LZR®-FLATSCAN 3D SW

Four curtain safety system with
Virtual Push Button functionality



Three-Dimensional Field Coverage

Four detection curtains create a
3D detection field guaranteeing
full-safety coverage of the
opening area



LASER-based Technology

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



Completely Touchless

For germ-free activation,
program up to two
Virtual Push Buttons

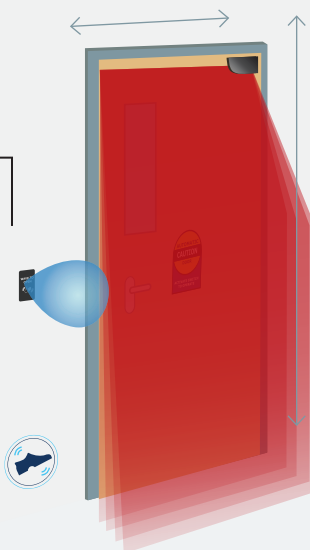
▽ EXCEEDING ANSI 156.19

PRIMARY ACTIVATION

Push plate, touchless switch,
or radio controls

ADDITIONAL ACTIVATION

Utilize Virtual Push Buttons in
addition to a knowing act device

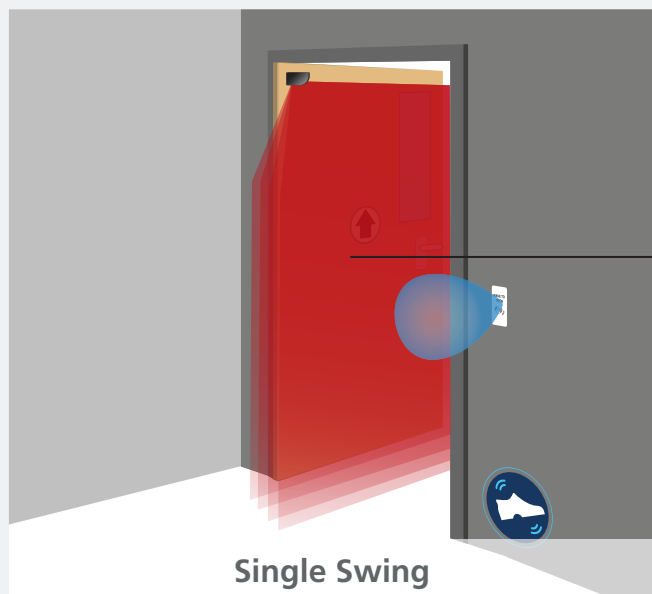


REACTIVATION

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



▽ LOW ENERGY DOOR APPLICATIONS

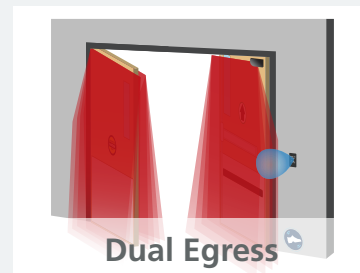


REACTIVATION

LASER-based sensor (handed for door leaf)

ENHANCED SAFETY

Detection field extends beyond the hinge area



▽ TECHNICAL SPECIFICATIONS

Technology	LASER scanner, Time-of-Flight measurement
Detection Mode	Presence
Max. Detection Range	13' (diagonal) with reflectivity of 2% (e.g. at W = 5' → max. H = 12')
Recommended Mounting Height	75 – 98"
Opening Angle	
Door Leaf Safety	80°
Pinch Zone Safety	20°
Angular Resolution	
Curtain 1	0.2°
Curtain 2	1°
Curtain 3	1.7°
Curtain 4	2.5°
Tilt Angles	0 – 5°
Typ. Min. Object Size	¾" @ 13' in curtain C1
Emission Characteristics	
IR LASER	Wavelength 905 nm; output power < 0.1 mW; Class 1
Supply Voltage	12 – 24 VDC ±15% (to be operated from SELV-compatible power supplies only)

Response Time	Typ. < 120 ms Max. 220 ms
Output	3 electronic relays (galvanic isolation - polarity free)
Max. Switching Voltage	42 VAC / VDC
Max. Switching Current	100 mA
LED Signals	1 RGB LED: Detection / Output Status
Dimensions	
Spacer	5 ¾" (L) × 3 ½" (H) × 2 ½" (D) D + 1 ½"
Material / Color	PC / ASA / Black
Degree of Protection	IP44 (IEC 60529)
Temperature Range	-13 – 140 °F
Humidity	0 – 95% non-condensing
Vibrations	< 2 G
Min. Door Leaf Speed	2° / s
Norm Conformity	ISO 13849-1 PL "d" / CAT2 IEC 60825-1 IEC 62061 SIL 2

Visit FLATSCAN3D.com



Product Questions?
Call BEA's Technical Service Team:
1.800.407.4545