LZR®-FLATSCAN 3D SW

FOUR CURTAIN STAND-ALONE, DOOR-MOUNTED SAFETY SYSTEM WITH VIRTUAL PUSH BUTTON FUNCTIONALITY

Three-Dimensional Field Coverage

3D detection field guaranteeing full-safety coverage of the opening area

LASER-based Technology

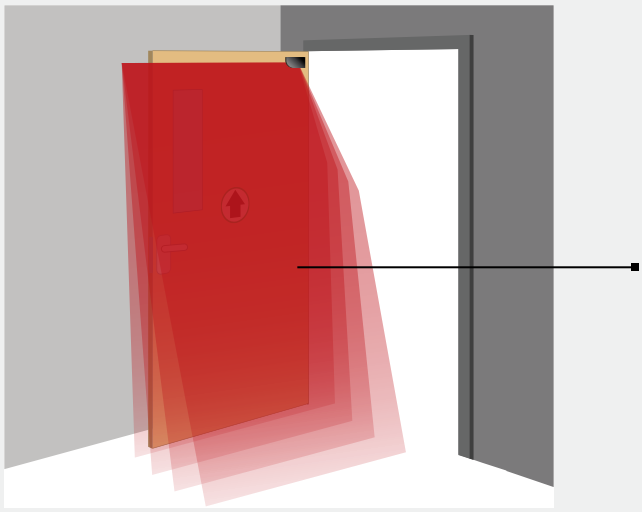
Capable of ignoring dynamic ground conditions (reflective flooring, pedi-mats, wet surfaces, etc.)

Completely Touchless

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

EXCEEDING ANSI 156.19

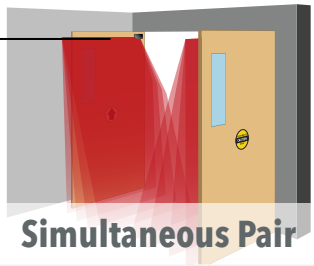
LOW-ENERGY DOOR APPLICATIONS



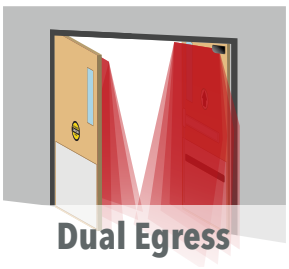
Single Swing

REACTIVATION
LASER-based sensor
(handed for door leaf)

ENHANCED SAFETY
Detection field extends beyond the hinge area



Simultaneous Pair



Dual Egress

TECHNICAL SPECIFICATIONS

TECHNOLOGY / PERFORMANCE

Technology	LASER scanner, time-of-flight measurement
Detection mode	Presence
Max. detection range	13′ (diagonal) with reflectivity of 2% e.g. at 5′ width, 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
Min. door leaf speed	2°/sec
Emission characteristics (IEC 60825-1)	IR LASER: wavelength 905 nm; output power < 0.1mW; Class 1

ELECTRICAL

Supply voltage *	12 – 24 VDC ±15% (to be operated from SELV-compatible power supplies only)
Power consumption	< 2 W
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

PHYSICAL

Dimensions	5 ¾″ (L) × 3 ½″ (H) × 2 ⅓″ (D) mounting base: D + ¾″ spacer: D + 1 ½″
Material - Color	PC/ASA - black
Protection degree	IP44 (IEC 60529)
LED signals	1 RGB LED: detection/output status
Temperature range	-13 – 140 °F
Humidity	0 – 95% non-condensing
Vibrations	< 2 G

COMPLIANCE

Compliance	ISO 13849-1 PI "d"/ CAT2; IEC 60825-1; IEC 62061 SIL 2 UL10 – file # R39071

* 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 FLATSCAN3D.com

Product Questions?

Call BEA's Technical Service Team:
1.800.407.4545

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