



LZR®-FLATSCAN REV PZ

COMPACT, PRESENCE SENSOR FOR
AUTOMATIC, REVOLVING DOORS



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TECHNOLOGY



COMPLIANCE



DESCRIPTION

BEA's **LZR®-FLATSCAN REV PZ** is a compact, LASER-based, presence sensor for automatic, revolving doors. This sensor provides entry-point area and door leaf coverage, contributing to an ANSI 156.27-compliant system.

Its high-density, single curtain equipped with 400 measurement spots provides precise detection. With the wave of a hand, Hand-Gesture Setup™ simplifies installation, reducing configuration time.

Visual alignment spots aid in precise curtain angle adjustment and push-button teach-in further simplifies sensor setup.

Recessed and surface-mounting options are available to fit your application needs.



Background Independence

LASER technology ensures independence of all types of flooring (pedi-mats, carpet, reflective flooring, wet surfaces, etc.) and the surrounding environment of the door (enclosure walls, weather, etc.)

Easy Setup

Hub-less system offers fewer components for a more straightforward setup and installation, and Hand Gesture Setup™ reduces configuration time of the detection field width

Reliable Technology

High-resolution detection curtains create a reliable solution with the ability to detect objects as small as 2 inches at 11 ½ feet away, depending on application

Easy Adjustments

Two visible, red, alignment spots are projected onto the ground to assist in precise IR curtain positioning

Two Outputs

Two outputs can be assigned to separate detection areas to provide different functions (e.g. slow down, stop)

TECHNICAL SPECIFICATIONS

TECHNOLOGY / PERFORMANCE

Technology	LASER scanner, time-of-flight measurement
Detection mode	Presence
Mounting height	min: 6'6" max: 13'
Field of view	90°
Angular resolution	0.23° (400 spots within 90°)
Tilt angles	0 – 5°
Optical characteristics (IEC 60825-1:2014)	wavelength 905 nm; output power < 0.1 mW; CLASS 1 wavelength 635 nm; output power < 1 mW; CLASS 2 - visible spot

ELECTRICAL

Supply voltage*	12 – 24 VDC ±15%
Power consumption	≤ 2.2 W
Response time	max. 90 ms
Relay output 1*	1 relay (free of potential change-over contact)
max. contact voltage	42V DC/AC peak
max. contact current	1.0A (resistive)
Optofet output 2*	1 optocoupler (galvanic isolation - polarity free)
max. switching voltage	42V DC/AC peak
max. switching current	100 mA
Test input	30 VDC (max. switching voltage) low < 1 V, high > 10 V (max. 30 V)

PHYSICAL

Dimensions	
recessed version	7" (L) × 3" (H) × 2" (D) [178 mm (L) × 85 mm (H) × 53 mm (D)]
surface version	6 5/8" (L) × 3 5/8" (H) × 1 5/8" (D) [168 mm (L) × 93 mm (H) × 42.5 mm (D)]
Material - Color	PC/ABS - black or aluminum
Protection degree	IP54 (IEC 60529)
LED signals	1 bi-colored LED: detection/output status
Temperature range	-22 – 140 °F (if powered)
Humidity	0 – 95% non-condensing
Vibrations	< 2 G
COMPLIANCE	
Compliance	ISO 13849-1 PL "d"/ CAT2; IEC 60825-1; IEC 62061 SIL 2

* External electrical sources must be within specified voltages, max 15W and ensure double insulation from primary voltages.

APPLICATIONS



Pinch Zone Safety



Ceiling or Surface Mounting



Leading Edge Safety

PRODUCT SERIES



10LZRFLATSCANREV PZ-R
Presence sensor
(recessed-mount)



10LZRFLATSCANREV PZ-SM
Presence sensor
(surface-mount)

REPLACEMENT PARTS



65.5297
Replacement harness

RELATED PRODUCTS



10REMOTE
Universal remote control

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