



▶ LZR[®]-FLATSCAN 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

Generates 170 detection points across each side of the door including the hinge area



LASER-based Technology

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



Compact Design

Low-profile, compact design helps maintain aesthetics and reduces interference with door hardware

▽ EXCEEDING ANSI 156.19



ACTIVATION

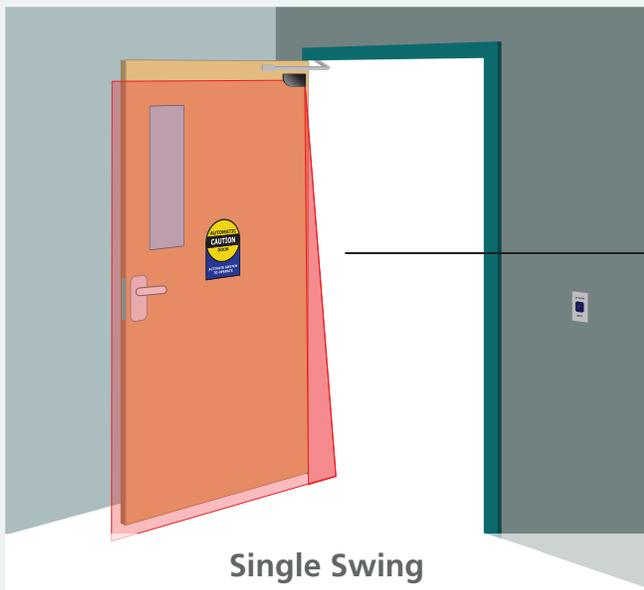
Push plate, touchless switch, or radio controls

REACTIVATION

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



▽ LOW ENERGY DOOR APPLICATIONS

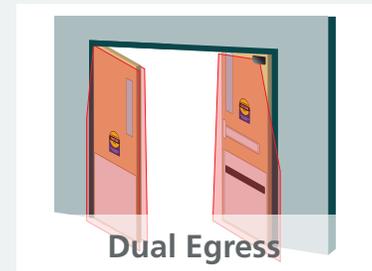


REACTIVATION

LASER-based sensor (handed for door leaf)

ENHANCED SAFETY

Detection field extends beyond the hinge area

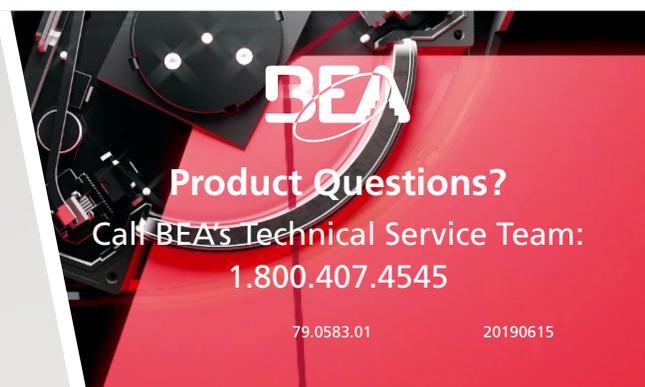
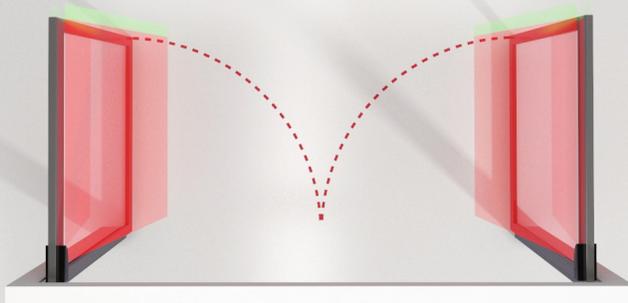


▽ TECHNICAL SPECIFICATIONS

| | |
|---------------------------------|--|
| 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'), see Page 15 of Users Guide |
| Detection Area | |
| Door Leaf Safety | 90° |
| Pinch Zone Safety | 16° |
| Angular Resolution | |
| Door Leaf Safety | 1.3° |
| Pinch Zone Safety | 0.2° |
| Typ. Min. Object Size | |
| Door Leaf Safety | 4" @ 13' (in proportion to object distance, DIP 2 = ON) |
| Pinch Zone Safety | 3/4" @ 13' (in proportion to object distance, DIP 2 = ON) |
| Emission Characteristics | |
| IR LASER | Wavelength 905 nm; max. output pulse power 25 W; Class 1 |
| Supply Voltage | 12 – 24 VDC ±15% |
| Power Consumption | ≤ 2 W |

| | |
|-----------------------------|---|
| Response Time | |
| Door Leaf Safety | max. 50 ms |
| Pinch Zone Safety | max. 90 ms |
| Output | 2 electronic relays (galvanic isolation - polarity free) |
| Door Leaf Safety | 42 VAC / VDC |
| Pinch Zone Safety | 100 mA |
| LED Signals | Red = swing side detection Green = approach side detection Yellow = error |
| Dimensions | 5 1/2" (W) × 3 1/8" (H) × 1" (D) (mounting bracket adds 1/4") |
| Material / Color | PC/ASA / Black, White or Silver |
| Tilt Angles | 2 – 10° (without mounting bracket) |
| Degree of Protection | IP54 (EN 60529) |
| Temperature Range | -22 – 140 °F (if powered) |
| Humidity | 0 – 95% non-condensing |
| Vibrations | < 2 G |
| Min. Door Leaf Speed | 2° / s |

Visit: LZR-FLATSCAN.com



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