



SWING DOOR SENSOR COMPARISON



LZR®-MICROSCAN T

Four curtain stand-alone, door-mounted safety system for full energy swing doors



LZR®-FLATSCAN SW

Single curtain stand-alone, door-mounted safety sensor for full and low energy swing doors

▼ SOLUTION COMPARISON

	LZR®-MICROSCAN T	LZR®-FLATSCAN SW
TECHNICAL		
Max. Detection Range	Detection Width: 1' 8" – 4' Mounting Height: 6' 3" – 8' 2"	13' (diagonal) with reflectivity of 2% (e.g.: at W = 5' → max. H = 12'), see Page 15 of Users Guide
Angular Resolution	2.56°	Door Leaf Safety: 1.3° Pinch Zone Safety: 0.2°
Typ. Min. Object Size	4.82" @ 8.92'	Door Leaf Safety: 4" @ 13' Pinch Zone Safety: ¾" @ 13' (in proportion to object distance, DIP 2 = on)
Emission Characteristics IR LASER	Max. output pulse power 35 W (Class 1)	Max. output pulse power 25 W (Class 1)
Supply Voltage	12 – 30 VDC (15 W Class II)	12 – 24 VDC ±15%
Power Consumption	< 15 W	≤ 2 W
Response Time	typ. 40 ms (max. 80 ms)	Door Leaf Safety: max. 50 ms Pinch Zone Safety: max. 90 ms
Output Rating	4-electro-mechanic relays (galvanic isolated - polarity free) All outputs Class 2 supply, 12 – 24 VAC / 12 – 30 VDC, max. 15 W	2 electronic relays (galvanic isolated - polarity-free) Max. Switching Voltage: 42 VAC / VDC Max. Switching Current: 100 mA
Hub Input Rating	2 optocouplers (galvanic isolated - polarity-free) 12 – 24 VAC / 12 – 30 VDC, 50/60 HZ, max. 15 W	Hub-less system
LED-signals	Hub: Blue = learn, White = tracking, Orange = home switch Sensor: Green = operational, Red = detection, Orange = Error	Red = safety detection, Green = activation detection, Yellow = error
Dimensions	5" (W) × 2 5/8" (H) × 2" (D)	5 1/2" (W) × 3 1/8" (H) × 1" (D) (mounting base + 1/4")
Test Input	8 – 15 VDC	30 VDC (max. switching voltage) low < 1 V, high > 10 V (voltage threshold)
Temperature Range	-13 – 121 °F (-25 - 55 °C)	-22 – 140 °F (-30 °C – 60 °C) if powered

▼ SOLUTION COMPARISON (CONT'D)

	LZR®-MICROSCAN T	LZR®-FLATSCAN SW
Degree of Protection	Hub: IP20 / NEMA 1 Sensor: IP53 / NEMA 3	IP54
Material / Color	PC / ASA – Black	PC / ASA – Black – Aluminum – White
Tilt Angle	0 – 5° (for angles less than 5°, contact Tech Support)	2 – 10° (without mounting base)
Certification	UL 10B/C	—
FUNCTIONALITY		
	Door Type; Guiderail; Advanced Monitoring; Knowing Act; Activation Hold Time; Push-N-Go; Not Close Timer; Advanced Safety; Activation Distance; Monitoring Logic; Safe Distance; Traffic Mode; On-board Diagnostics	Dimensions Pinch Zone Safety; Immunity Filter; Uncovered Zone; Antimasking & Background
USER INTERFACE		
	Hub (LCD, Push Button Encoder)	Push Button; 4 DIP Switches