



LZR®-FLATSCAN W

SAFETY SENSOR FOR AUTOMATED WINDOWS

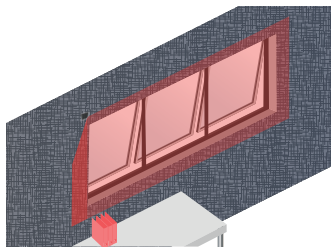


DESCRIPTION

BEA's **LZR-FLATSCAN W** is a LASER-based, Time-of-Flight sensor with background analysis that secures automated windows.

A single sensor can generate 400 measurement points, providing complete protection for hands and fingers during the closing process.

APPLICATIONS

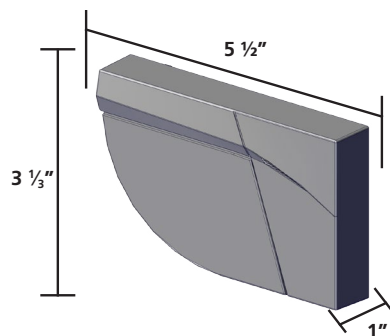


Windows



Drive-thru Windows

DIMENSIONS



TECHNICAL SPECIFICATIONS

Technology	LASER scanner, time-of-flight measurement, background analysis
Detection mode	Presence
Max. detection range	13' (diagonal) (e.g. @ 40' width, max. height is 16')
Number of curtains	1
Measurement points	400
Angular resolution	0.27°
Angular coverage	110°
Min. object size	3/4" (depending on the settings and the installation)
Optical characteristics	IR LASER, Class 1 wavelength: 905 nm output power: < 0.1mW
Supply voltage	12 – 24 VDC ±15% <i>The equipment must be powered by a SELV limited power source ensuring double insulation between primary voltages and the Equipment supply.</i> <i>The supply current should be limited to 1.5A.</i>
Power consumption	≤ 2 W
Typ. response time	400 ms
Peak current at power-on	0.8A (max. 20 ms @ 24 VDC)
Cable length	16.4'
Output	2 solid state relays (galvanic isolation - polarity free) max. switching voltage 42 VAC/VDC max. switching current 100 mA
Input	1 optocoupler (galvanic isolated - polarity free) max. contact voltage 30 V DC (over-voltage protected) voltage threshold Log. H: >8 VDC Log. L: <3 VDC
LED signals	1 tri-colored LED: detection/output status
Dimensions	5 3/5" (L) × 3 11/32" (H) × 1 1/3" (D) (mounting base adds 1/2")
Material / Color	PC, ASA / black
Tilt angles	-2 – 6° (with mounting base) 2 – 10° (without mounting base)
Protection degree	IP54
Temperature range	-22 – 140 °F if powered 14 – 140 °F without power
Humidity	0 – 95% non-condensing
Vibrations	< 2 G
Compliance	IEC 60335-2-103 ISO 13849-1 (PL "d"); IEC 61508 (SIL2)

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