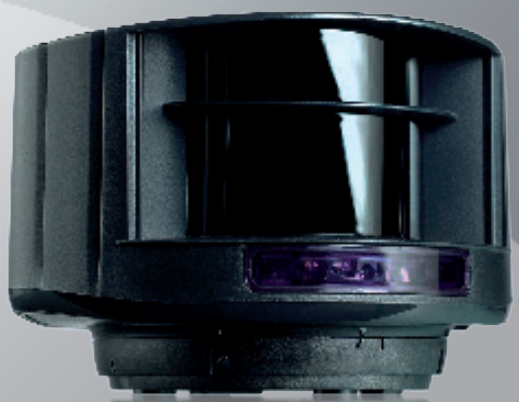
LZR®- i100

SAFETY SENSOR FOR INDUSTRIAL DOORS

Commercial sheet



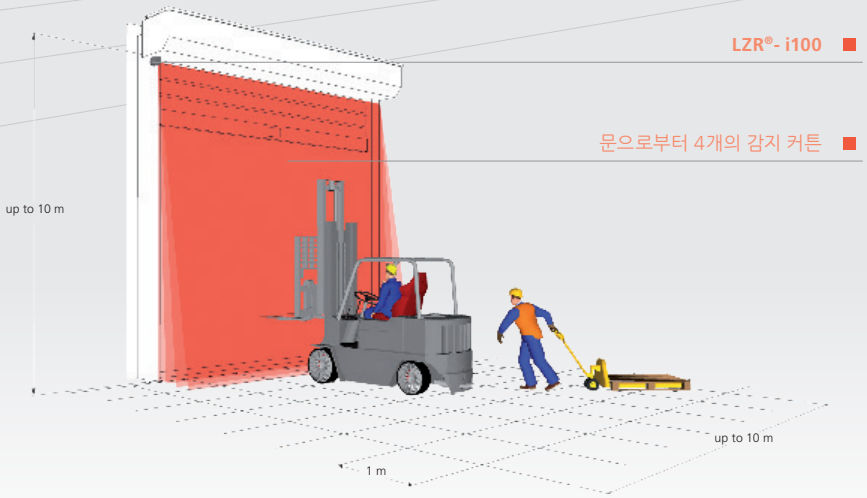
KR

THE PREMIUM SAFETY SOLUTION

Up to 10 m × 10 m

DESCRIPTION

LZR®-i100 은 Time-of-Flight 기술에 의해 동작합니다. 이 기술은 각각 4 개의 레이저 신호를 평면으로 송신 및 스캔하여, 각 신호의 되돌아오는 시간을 측정합니다. 따라서 어떠한 외부 환경에도 간섭없이 동작합니다.



PERFORMANCE

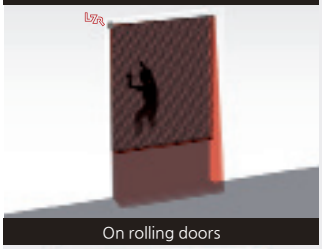
- 최대 감지 범위 : 10 x 10m
- 바닥으로부터 다양한 높이의 설치가 가능 (최대 0.5m)
- 산업용 도어 CE인증
  PL "d"/ CAT 2
  EN ISO 13849-1 and Type E
  EN 12453
- 문 앞의 3차원 감지 커튼이 높은 수준의 안전성을 제공합니다
- 작은 물체의 감지*
- Contact edge, Light beam을 대체할 수 있습니다
- 설치와 장착이 쉽습니다

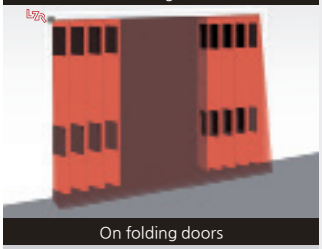
* 설정에 따라 수 센티미터의 차이가 발생할 수 있습니다

OPEN UP NEW HORIZONS

APPLICATIONS

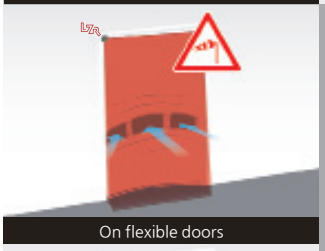

Premium safety solution for industrials doors

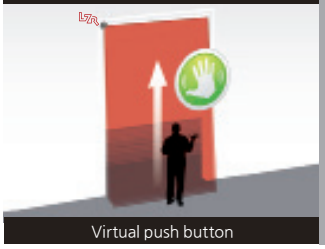

On rolling doors


On folding doors


On oversized doors

EXTRA FEATURES


On flexible doors


Virtual push button

APPLICATIONS

- 2개의 감지 영역이 문을 안전하게 여닫게 도와줍니다
- 2개의 Push Button을 설치하여 사용 가능합니다

DESIGNED FOR INDUSTRIAL ENVIRONMENTS

- 문의 진동, 외부환경으로부터의 영향을 최소화합니다
- 외부보호등급: IP65

EASE OF INSTALLATION

- 3개의 식별 가능한 레이저 빔으로 원하는 감지 영역에 세팅합니다
- 리모컨을 사용할 수 있습니다
- 10m의 케이블이 제공됩니다

TECHNICAL SPECIFICATIONS

Technology	LASER scanner, time-of-flight measurement
Detection mode	Presence (EN 12453 Type E)
Max. detection range	9.9 m × 9.9 m
Remission factor	> 2 %
Angular resolution	0,3516°
Typ. min. object size	2,1 cm @ 3 m / 3,5 cm @ 5 m / 7 cm @ 10 m (in proportion to object distance)
Testbody	700 mm × 300 mm × 200 mm (testbody A according to EN 12445)
Emission characteristics IR LASER Red visible LASER	 Wavelength 905 nm; max. output pulse power 75 W; Class 1 Wavelength 650 nm; max. output CW power 3 mW; Class 3R
Supply voltage	10-35V DC @ sensor terminal
Power consumption	< 5 W
Response time	Typ. 20 ms; max. 80 ms
Output Max. switching voltage Max. switching current	2 electronic relays (galvanic isolation - polarity free) 35V DC / 24V AC 80 mA (resistive)
LED-signals	1 blue LED: power-on status 1 orange LED: error status 2 bi-coloured LED: detection/output status
Dimensions	125 mm (L) × 93 mm (D) × 70 mm (H) (mounting bracket + 14 mm)
Material	PC/ASA
Colour	Black
Rotation angles on bracket	-5° to +5° (lockable)
Tilt angles on bracket	-3° to +3°
Protection degree	IP65
Temperature range	-30 °C to +60 °C if powered
Humidity	0-95 % non-condensing
Vibrations	< 2 G
Norm conformity	2006/95/EC: LVD; 2002/95/EC: RoHS; 2004/108/EC: EMC; 2006/42/EC: MD; EN 12453:2000 chapter 5.1.1.6, chapter 5.5.1 Safety device E; EN 12978:2009; EN ISO 13849-1:2008 PI "d"/ CAT2; EN 60529:2001; IEC 60825-1:2007; EN 60950-1:2005; EN 61000-6-2:2005; EN 61000-6-3:2006; IEC 61496-1:2009; EN 61496-3:2008 ESPE Type 2; EN 62061:2005 SIL 2; DIN 18650-1:2010 Chapter 5.7.4

Specifications are subject to change without prior notice.

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SENSORium / 경기도 하남시 덕풍3동 조정대로 150 ITECO 651 센서리움 • KOREA
T +82 (0) 31 795 5077 / F +82 (0) 31 790 1034 / E rebecca@sensorium.co.kr