

4SAFE

SAFETY SENSOR FOR SWING AND REVOLVING DOORS

Commercial sheet



THE STANDARD WHEN HIGHEST STANDARDS APPLY

DESCRIPTION

4SAFE는 DIN 18650을 준수하는 안전 센서입니다. 이 AIR센서는 거리를 측정하며 스윙이나 회전문에서의 위험을 예방해줍니다. 한 모듈에 2개의 스팟이 4그룹으로 이루어져 있으며 개당 40cm 넓이를 커버합니다.

FEATURES

- 한 모듈당 2개의 스팟이 4그룹으로 이루어짐
- 2미터 높 이에서 40cm 커버
- 회전문에 6개의 모듈까지, 스윙, 슬라이딩 도어에서 3개의 모듈을 사용할 수 있습니다
- 2개의 기능 : 멈추거나 다시 열림, 각 모듈당 2개의 릴레이 출력 도어 컨트롤러에 1개의 싱글 케이블 연결 가능
- 기준 높이에서 자동 셋업 : push 버튼 누름
- 자동인식기능
- BS7036 & DIN 18650 준수

RELIABILITY

- 딥스위치 세팅이 가능합니다
- 낮은 소비 전력이 가능합니다



4SAFE ■

* for typical mounting heights between 1.80 m and 2.40 m.



Rain accessory



방화문 약세서리



개선편 인터페이스



멀티 센서 허브



스팟파인더

APPLICATIONS

- 스윙, 리볼빙도어의 안전용 센서

EASE OF INSTALLATION

- 6개 모듈까지 가능합니다
- 센서가 방화문의 양쪽에 설치 되어 있어 도어 컨트롤러에 1개의 싱글 커넥션이 가능합니다
- 모든 배경을 인식하고 조정함 (DIN 18650 up to 3 m).
- 설치 높이 : 3.5m까지
- 쉬운 조정 : 설치하기 위해 1개의 버튼 사용

Technology	Active Infrared with background suppression
Detection mode	Presence
Number of beams	4
Min. reflectivity background/object	20% at IR-wavelength of 850 nm
Detection field	400 mm (W) × 70 mm (D) @ 2 m mounting height; 4 spots active
Max. number of modules	4 (up to 6 if 24 V DC)
Supply voltage	12V - 24V AC ± 10 %; 12V - 30V DC -5%/+10% (to be operated from SELV compatible power supplies only)
Max current consumption	110 mA @ 24 V AC / 70 mA @ 24 V DC; 190 mA @ 12 V AC / 145 mA @ 12 V DC (MASTER) 85 mA @ 24 V AC/60 mA @ 24 V DC; 180 mA @ 12 V AC / 113 mA @ 12 V DC (other modules)
Peak current at power-on	1.8 A (max. 80 ms @ 35 V)
Reaction time	64 ms (typical)
Response time at monitoring	< 5 ms
Max. presence detection time	infinite (SWING-configuration) 1 minute (REVOLVING-configuration)
Output	2 relays (free of potential contact)
Max. contact voltage	42 V AC/DC
Max. contact current	1A (resistive)
Max. switching power	30 W (DC) / 60 VA (AC)
input	1 optocoupler (free of potential contact)
Max. contact voltage	30 V
Voltage threshold	high : >10 V DC; low : <1 V DC
Mounting height	1.1 m to 3 m (according to floor reflectivity)
Dimensions	sensor module : 300 mm profile : L* × 43.5 mm (H) × 47.5 mm (D) *L : length of profile according to packaging (see options)
Material	ABS/Aluminium/PC (colour: black)
Protection degree	IP53
Temperature range	-25°C to +55°C
Reflectivity	min 5% at IR-wavelength of 850 nm
Expected lifetime	5 years
Humidity	0-95 % relative humidity, non condensing
Norm conformity	EMC 2004/108/EC; MD 2006/42/EC; EN 12978 EN ISO 13849-1:2008 Performance level «c» CAT.2 (under the condition that the door control system monitors the sensor at least once per door cycle)

Specifications are subject to change without prior notice.

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