

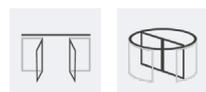


4SAFE

Safety sensor for swing
& revolving doors



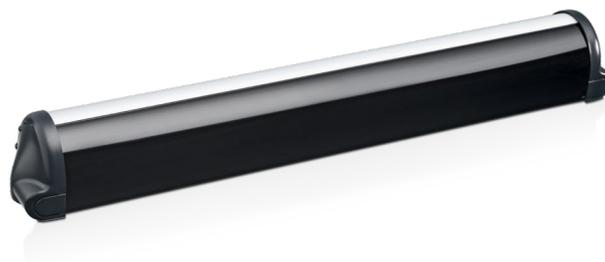
APPLICATIONS



TECHNOLOGY

Active Infrared

CONFORMITY



DESCRIPTION

The **4SAFE** is a failsafe active infrared sensor which functions by distance measuring. Onboard of swing and revolving door leaves, it brings safety to the users by avoiding contacts with the doors in motion. The three-dimensional area of the 4SAFE makes it particularly suitable for protecting people with disabilities.

VIDEO



Discover the product video on our youtube channel **BEA Sensors Europe**
<https://bit.ly/3e6j2yO>



Adaptation to all floor types

Adaptation to all floor types, even the most contrasted one (stainless steel plate, grids, water puddles, snow-covered ground...).

High user safety

High user safety thanks to a detection area of 40 cm in front of the leaf at 2 m high with 4 groups of 2 active infrared spots.

Easy installation

Pressing the push button once is enough to adjust the sensor for the usual installation heights. Fine-tuning is easy via the 4 DIP-switches.

Easy daisy-chain mounting

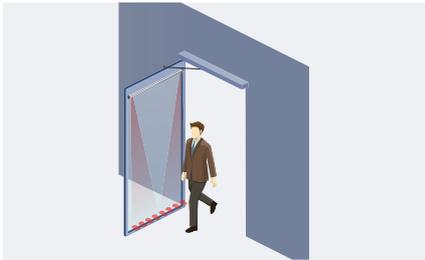
Easy mounting with daisy-chain up to 6 modules, covering the whole door width.



APPLICATIONS



Revolving doors



Swing doors

ACCESSORIES



SPOTFINDER

Tool for visualising the exact position of infrared curtains



BEA REMOTE CONTROL

Universal remote control for the adjustments of our sensors



4SAFE RA

Rain accessory for the 4SAFE



4SAFE FDA

Fire door adapter for the 4SAFE



4SAFE FRONT FACE FOG-PROOF

Fog-proof front face for the 4SAFE



IXIO/VIO/4SAFE INTERFACE

Interface for the IXIO/VIO/4SAFE



MULTI-SENSOR HUB

Hub for daisy chain connection of 4SAFE & IXIO

INSTALLATION

- Pressing the push button once is enough to adjust the sensor for the usual installation heights.
- Fine tuning with 4 DIP-switches.

VERSIONS

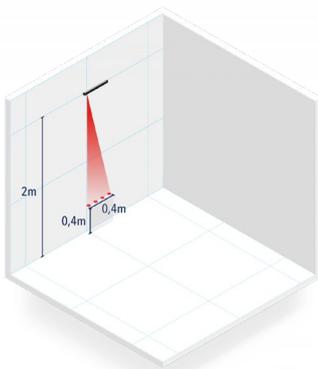
- 4SAFE ON SW : Swing door sensor with external monitoring.
- 4SAFE ON REV : Revolving door sensor with external monitoring.

TUTORIAL



Discover the product video on our youtube channel **BEA Sensors Europe**
<https://bit.ly/2ZINLob>

TECHNICAL SPECIFICATIONS



Technology	Active infrared with background suppression
Emission field	400 mm (W) x 70 mm (D) (at 2 m mounting height; 4 spots active)
Mounting height	1.3 m to 3.5 m
Reaction time	64 ms (typ)
Max. presence time	Infinite
Supply voltage	12 V - 24 V AC +/-10% ; 12 V - 30 V DC -5%/+10% (to be operated from SELV compatible power supplies only)
Max current consumption	
MASTER	95 mA @ 24 V AC/ 70 mA @ 24 V DC; 170 mA @ 12 V AC/ 130 mA @ 12 V DC
Other modules	85 mA @ 24 V AC/ 60 mA @ 24 V DC; 180 mA @ 12 V AC/ 113 mA @ 12 V DC
Output	2 relays (free of potential contact)
Max. contact voltage	42 V AC/DC
Max. contact current	1 A (resistive)
Max. switching power	30 W (DC) / 42 VA (AC)
Input	1 optocoupler (free of potential contact)
Max. contact voltage	30 V
Voltage threshold	high: >10 V DC; low: <1 V DC
Max. number of modules	4 (up to 6 if 24 V DC)
Reflectivity	Min. 5% at IR-wavelength of 850 nm
Degree of protection	IP54
Temperature range	-25 °C to +55 °C; 0-95% relative humidity, non condensing
Expected lifetime	20 years
Norm conformity	EMC 2014/30/EU; MD 2006/42/EC; DIN 18650-1 ch. 5.7.4; BS 7036-2*; EN 16005 ch. 4.6.8; EN 12978 + A1; EN 61508; IEC 61496-2; BGR 232; EN ISO 13849-1 Performance Level «c» CAT. 2

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