

IXIO-D INDUS

MOTION AND PRESENCE SENSOR FOR AUTOMATIC INDUSTRIAL DOORS

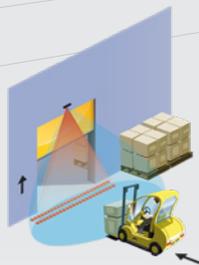
Commercial sheet



PROTECTION OF DOORS & USERS

DESCRIPTION

The **IXIO-D INDUS** combines two technologies - radar and infrared - to achieve a double goal: opening and protection. The **IXIO-D INDUS** protects automatic doors as well as those operating them. The **IXIO-D INDUS** radar senses any approaching movement towards the door, while the infrared technology senses the presence of people and objects in the area around the closing zone of the door. The infrared technology complements the measures stipulated by standard EN 12453.



PROTECTING THE DOOR

The radar monitors a large, adjustable area. Its responsiveness makes it ideal for opening and re-opening the door for fork-lift trucks and vehicle traffic. In this way, it helps to prevent the vehicles from colliding into the door, when approaching at a reasonable speed.



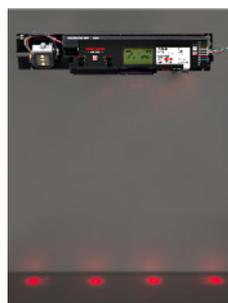
PROTECTING USERS

Two curtains of 24 (48 total), high-density infrared spots provide precise presence detection near the threshold area.

Provided on both sides of the door, this additional volumetric protection reduces the door's hold-time and therefore reduces the opening and closing time of the door.

POSITION OF THE CURTAINS

Four infrared spots, visible on the floor, appear during configuration. This means that the position of the first curtain is easy to adjust.



LCD SCREEN

Intuitive setup via the LCD screen with text and symbol display (LCD graphics).

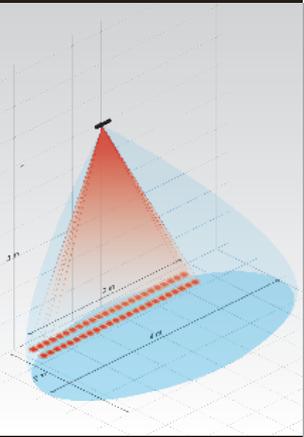


APPLICATIONS



High-speed door

DETECTION RANGE



Detection area @ 3 m :
radar 4 m x 2 m ; infrared 3 m x 0,5 m

IXIO RANGE



IXIO-S INDUS
Infrared sensor

ACCESSORIES



Bracket accessory



Rain accessory



Spotfinder

PERFORMANCE

- Motion and presence sensor for people and vehicles
- Unidirectional radar detects approach only
- Stable and reproducible opening area
- Reliable protection due to the double presence curtain
- Ideal solution for interior doors with an opening height of up to 4 m

APPLICATIONS

- Motion and presence detection for industrial doors

DESIGNED FOR INDUSTRIAL ENVIRONMENTS

- Reliable detection in sensitive environments

EASY INSTALLATION

- Intuitive configuration via LCD display and/or a BEA remote control
- Graphic LCD screen with language selection
- Lateral orientation of the radar antenna with a range of -15° to +15°
- 4 visible red spots on the floor for simplified setup of the presence curtain
- Plug, push & go
- 10 m cable

VERSIONS

- **IXIO-DO1 i** : Opening and presence
- **IXIO-DT1 i** : Opening and safety (external monitoring available)

TECHNICAL SPECIFICATIONS - IXIO-DO1 i

Technology	Microwave doppler radar Transmitter frequency: 24.150 GHz Transmitter radiated power: < 20 dBm EIRP Transmitter power density: < 5 mW/cm ²	Active infrared with background analysis Spot: 5 cm x 5 cm (typ) Number of spots: max. 24 per curtain Number of curtains: 2
Detection mode	Motion	Presence
Detection field	4.5 m x 2.5 m*	3.5 m x 0.5 m *
Tilt angle	15 ° - 45 °	-7 ° - +4 ° (adjustable)
Output	Solid-state-relay (potential and polarity free) Max. contact current: 100 mA Max. contact voltage: 42 V AC/DC	Solid-state-relay (potential and polarity free) Max. contact current: 100 mA Max. contact voltage: 42 V AC/DC
Hold time output signal	from 0.5 s to 9 s (adjustable)	from 0.3 s to 1 s (not adjustable)
Min. detection speed/ Typical response time	5 cm/s	< 200 ms (max. 500 ms)
LED signals	Green	Red
Mains frequency	50 to 60 Hz	
Supply voltage	12V - 24V AC +/- 10 % 12V - 30V DC - 5%/+10% (to be operated from SELV compatible power supplies only)	
Mounting height	2 m to 4 m **	
Dimensions	269.3 mm (L) x 57.3 mm (H) x 57.9 mm (W)	
Materials/ colour	ABS + LURAN S/ Black or white	
Temperature range	-25°C to +55°C; 0-95% relative humidity, non condensing	
Protection degree	IP54	
Norm conformity	RED 2014/53/EU; RoHS 2 2011/65/EU	

*Specifications are subject to changes without prior notice.
* at 3.5 m mounting height ** depending on size and nature of the target*

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