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A SENSING SOLUTION FOR EVERY INDUSTRIAL DOOR

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BEA Industrial

A sensing solution
for every industrial door



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MAGIC SWITCH

INTENTIONAL OPENING SENSOR

- Contactless proximity sensor
- Stable and repeatable detection area, adjustable from 10 cm to 50 cm
- Alternative to manual solutions (pull-cords, push-buttons...)
- Hygienic solution aimed at sensitive environments (food industry, chemical and healthcare sectors, pharmaceutical industry, retail...)
- Surface, concealed or mounting behind non metallic surfaces



10-50 cm



MATRIX

INDUCTION LOOP CONTROLLER

- Digital controller of induction loops
- Reliable motion and presence vehicle detection
- Simple and intuitive adjustment
- Memory effect in case of power cut



Technology

RADAR

The **RADAR sensor** is a detector transmitting and receiving **microwaves**. It transmits waves at an accurate frequency and analyses the returning signal at the same time. Every movement in the detection area will induce a frequency variation which will trigger a detection. The frequency will increase with approaching targets and decrease with receding ones. The radar sensor is a motion sensor that controls **the opening of the door**.



INFRARED

The **infrared sensor** for industrial applications transmits and receives **infrared energy** and uses the floor as a reflector. The sensor records a picture of the floor surface and compares the current picture with the reference picture. Each person or object present in the adjusted area will change the reference picture and induce a detection. This sensor informs about a presence within a determined surface, in order to keep the door open and **ensure the protection of the people** or the **monitoring of the area in front of the door**.



DUAL TECHNOLOGY

The **dual technology** combines the advantages of **microwaves** and **active infrared** in one housing. This solution is used to ensure the **opening** and **monitoring** in front of the door.



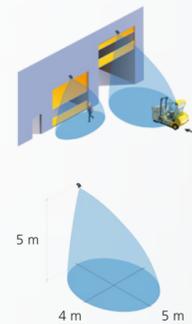
LASER

The **LASER technology** operates on the principle of time of flight: the transmitter sends an **impulse** at the speed of light, the time of the returning signal being measured. This measurement is converted in a distance. LASER sensors offer a comprehensive safety in 3 dimensions in front the door. They are mainly used for **the protection of people** and can cover areas until 10 m x 10 m.



INDUCTION LOOP

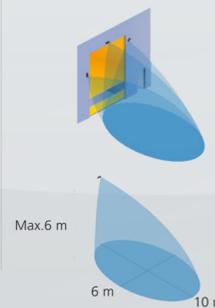
The **induction loop** consists of a **circuit** with an inductor - loop of copper wire - and a capacity having an own electric resonant frequency. The induction loop detects the presence of metallic objects. It is mainly used to **detect the presence of vehicles** in front of gates and garage doors.



FALCON

OPENING SENSOR

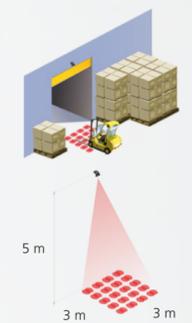
- Fast, reliable and targeted opening for persons and vehicles
- Deep and wide detection area for higher user comfort
- Vehicle-only detection and cross-traffic filtering thanks to digital treatment
- IP65 degree of protection, industrial sturdiness and adaptation



SPARROW

OPENING SENSOR

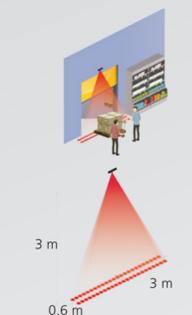
- People and vehicle motion detection
- Very flexible installation thanks to antenna tilt angle from -120° to +120°
- IP64 degree of protection and soft design



MILAN

PRESENCE SENSOR

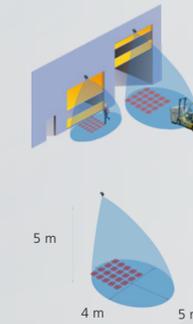
- People and vehicle presence detection
- Improvement of the door protection and reduction of collision risks
- Possibility to adjust small and accurate opening detection fields for confined spaces
- Adjustable minimum object size



IXIO-S INDUS

PRESENCE SENSOR

- 3D-presence detection in front of the door
- Additional people and vehicle 3D protection close to the door
- Installation height until 4 m
- Quick and intuitive configuration with the multilingual LCD screen



CONDOR

MOTION & PRESENCE SENSOR

- Falcon and Milan advantages merged in the same housing
- Deep and wide detection area for higher user comfort
- Adjustable presence area detection
- Improvement of the door protection and reduction of collision risks
- Alternative solution to induction loops with a quicker installation and service



IXIO-D INDUS

MOTION & PRESENCE SENSOR

- Motion and presence sensors combined
- People and vehicle detection
- Approaching comfort and additional three-dimensional protection of people, vehicles and the door itself
- Mounting height until 4 m
- Quick and intuitive configuration with the multilingual LCD screen



LZR-i100 / LZR-i110

SAFETY SENSOR

- 3D-safety on complete doorway
- Protection wall up to 10 m (H) x 10 m (L) x 1 m (D) with 4 LASER curtains. Compliance with EN 12455, EN 12453 and EN 12978 standards
- High precision and quality detection (16 000 measurements/sec)
- Possibility to create 2 opening areas
- LZR-i110: maximal detection range of 5 m x 5 m



COMFORT

PROTECTION

ENERGY EFFICIENCY