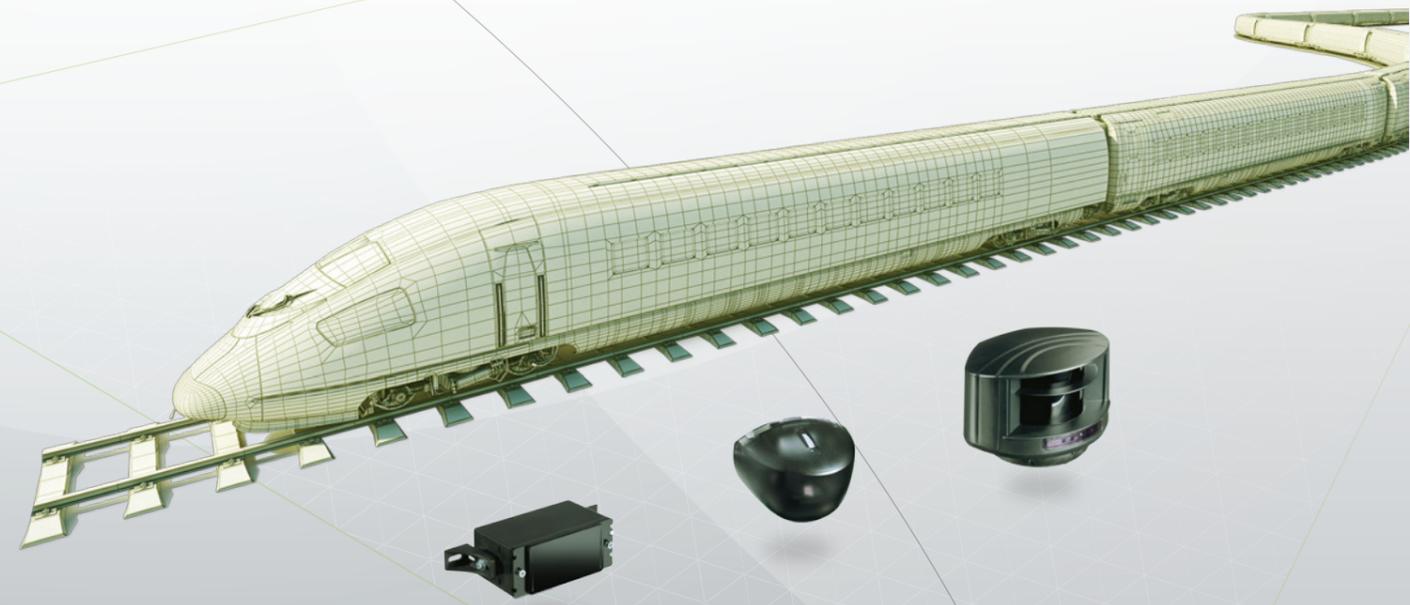


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SENSOR SOLUTIONS FOR PUBLIC TRANSPORT

Sensorio

Sensor solutions for public transport

SENSORIO A DIVISION OF BEA

BEA sa (Headquarters)
LIEGE Science Park
Allée des Noisetiers 5
B-4031 Angleur
Belgium
T +32 4 361 65 65
F +32 4 361 28 58
E sensorio@bea.be

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OUR PRODUCTS



The **RS-1** is designed to open doors when needed or keep them open in case of presence on the threshold for passenger comfort or safety. Designed for detection in restricted areas with a spot size diameter of only 13 cm @ 2.2 m mounting height.

Diameter of 130 mm
@ 2,2 m mounting height



The **RS-15** combines functions for internal doors and is designed to open doors when needed and keep them open in case of presence on the threshold for passenger comfort and safety. Very flexible detection area thanks to a matrix of 3 x 5 configurable spots.

1 m x 1,2 m
@ 2 m mounting height



The **LZR®-U9xx** are LASER-based measurement devices measuring distances on up to 4 planes. The **LZR®-U9xx** can be installed to scan in any direction. This family is designed to provide the user with the highest degree of flexibility. It communicates the raw measurement data for further calculation or control tasks. Very compact and competitive LASER scanner.

Max. 65 m



The **LZR®-RS300** is a LASER-based safety solution fully covering the external railway door in 2 or 3 dimensions. It is a perfect complement to contact edges and a convenient alternative to light grids and standard infrared sensors. Very compact LASER safety sensor with easy plug, teach & go installation.

5 m x 5 m
@ 2 % remission factor



The **LZR®-RS310** is a LASER-based 3D safety solution, designed to monitor the area between the platform screen door and the railway vehicle door. Very compact and competitive LASER safety sensor for this application. Easy plug & go installation.

10 m x 10 m
@ 2 % remission factor



The **COLIBRI** is the smallest opening sensor for automatic doors. It especially adapts to compact door controllers. The **COLIBRI** can be adjusted manually by potentiometer.

1 m x 1,2 m
@ 2 m mounting height



TECHNOLOGIES



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 of the door. They are mainly used for **the protection of people** and can cover areas of max. 10 m x 10 m.



The **INFRARED sensor** transmits and receives **infrared energy** and uses the floor as a reflector. The sensor records a reference picture of the floor surface and compares the current picture with this reference picture. Each person or object present in the adjusted area will change the current picture compared to the reference picture and therefore 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 people** or the **monitoring of the area in front of the door**.



The **RADAR sensor** transmits and receives **microwaves**. It sends 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 when a target approaches and decrease when it departs. The radar sensor is a motion sensor that controls **the opening of the door**.