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microsonic

**SENSOR
SOLUTION FOR
LOGISTICS
APPLICATIONS**

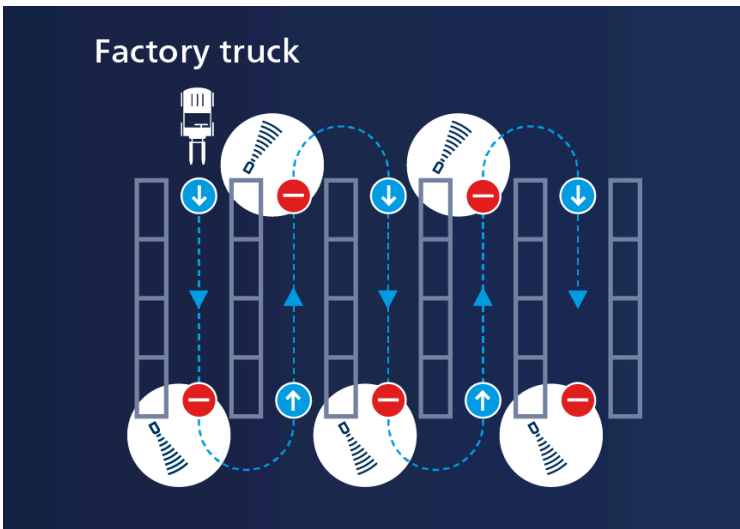
About Solution

To prevent wrong-way driving and ensure factory trucks move safely and accident-free through high-bay warehouses, Microsonic has developed a specialized Wrong-Way Sensor (WWS). This innovative solution optimizes picking times and enhances safety in logistics operations.

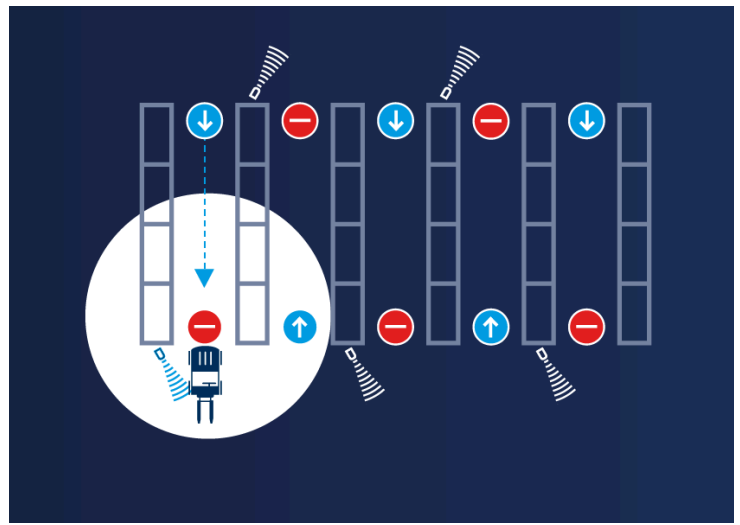


How the Sensor Works

The WWS detects incoming and outgoing industrial trucks in rack aisles while also determining their direction of travel. This capability ensures that only vehicles entering from the correct direction proceed without alerts, while those entering incorrectly receive immediate warnings.



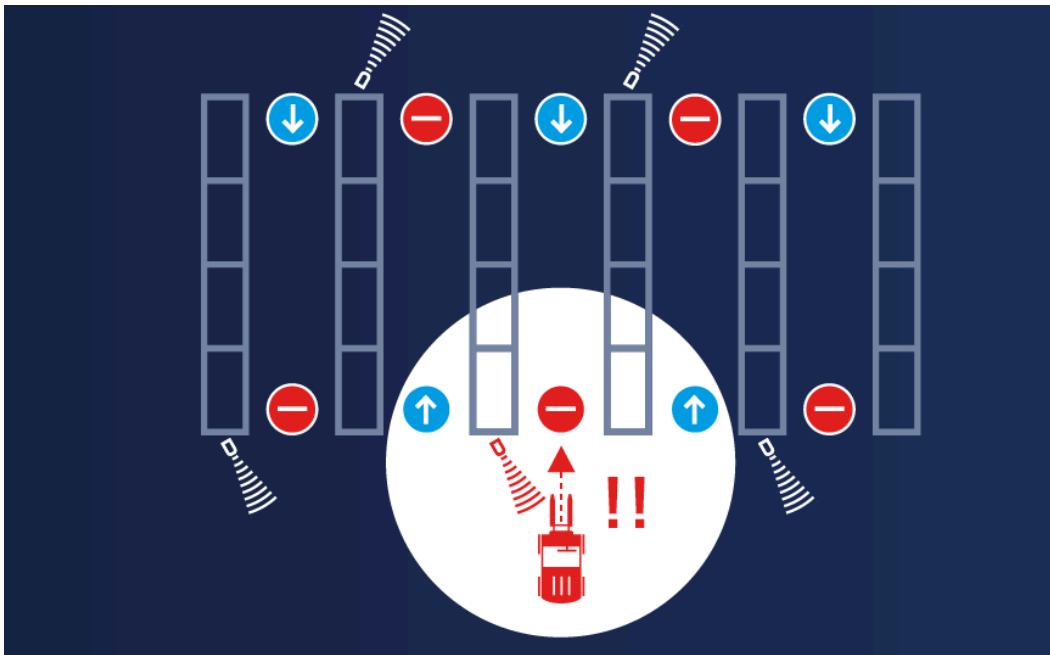
Mounting WWS Sensor



Detect direction

Detecting Direction and Entry

In high-bay warehouses where a one-way street rule is implemented, factory trucks traveling in the correct direction are allowed to pass without disturbance. However, if a truck enters in the wrong direction, the sensor triggers both visual and acoustic warnings using an integrated flashing light and horn. This system effectively prevents incorrect entries and reduces the risk of collisions with oncoming vehicles.



Stopping Wrong - Way drivers

Key Features

- Battery Operation and Easy Installation

The ultrasonic sensors are designed for low power consumption and can operate using an external power bank for months. Installation is effortless thanks to a strong magnetic holder, allowing quick attachment to steel poles without drilling. For added stability, an optional screw fastening can be used.

- Maximum range of 3.5 meters to detect approaching factory trucks
- Smart Direction Detection: Alerts only when a truck enters in the wrong direction
- Warning System: Integrated flashing LED light and horn provide visual and acoustic alerts
- Energy Efficiency: Operates on low power and runs for months on a single charge via an external power bank
- Magnetic Holder: Allows simple, tool-free attachment to rack uprights

Basic Specification

- Measurement Method: Echo run-time measurement
- Ultrasonic Frequency: 80 kHz
- Maximum Detection Range: 3,500 mm
- Operating Voltage: 5V DC
- Connection Type: Battery operation
- Flashing Light: LED, 5000K
- Acoustic Signal: Horn with 95 dB @ 10 cm

With its advanced detection capabilities, energy efficiency, and easy installation, the Microsonic Wrong-Way Sensor is a game-changer in logistics, ensuring safer and more efficient warehouse operations.

**Thank you, and we
look forward to
working with you.**



For customized solution or request a quick quote

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