CARLO GAVAZZI
Automation Components

CARLO GAVAZZI

Press Release

LEYON-SAFE-E SENSORS: THE NEXT GENERATION OF INTELLIGENT DOOR PROTECTION

Advanced 3D LiDAR technology sets a new benchmark in industrial door safety—
one device delivering full protection, outstanding performance, and effortless usability.

Lainate, October 2026 - Carlo Gavazzi Automation, the international electronics group with activities in the design, manufacture, and marketing of electronic equipment, proudly introduces **LEYON-Safe-E** sensors.

In today's high-traffic industrial environments, performance alone is no longer sufficient — intelligent protection has become essential. LEYON-Safe-E is a next-generation high-definition 3D door sensor engineered to prevent personal injury and vehicle damage by detecting any objects around industrial doors and gates.

Powered by cutting-edge LiDAR technology, LEYON-Safe-E delivers advanced contactless protection during every opening and closing cycle. Through real-time 3D imaging, infrared laser illumination, and continuous-wave time-of-flight measurement, the sensor generates a precise and dynamic map of its surroundings, reacting instantly to any potential risk.

The result is a smarter and more streamlined safety architecture that reduces system complexity while maximizing reliability and uptime.

"With LEYON-Safe-E," says Aldo Caputo, International Product Manager, "we are introducing a new standard in door protection by combining advanced sensing technology with real-world industrial needs. This solution not only improves protection but also simplifies system integration, helping our customers achieve higher efficiency and reliability."

Main technical features

- Compliant with EN 12453 (Type E),EN 12978 and UL 325
- Early detection in the area in front of the door for enhanced safety
- Full contactless protection during the entire opening and closing cycle
- Advanced LiDAR technology with precise time-of-flight measurement
- 3D safety zone for accurate detection of people and vehicles
- Ensures continuous protection and uninterrupted operation
- Designed to perform in harsh environments from -30°C to +55°C (IP65)
- Symmetrical design for easy installation
- Automatic Teach for effortless safety zone configuration
- Quick setup via Web App
- No additional tools or mechanical adjustments required

ABOUT CARLO GAVAZZI AUTOMATION

Carlo Gavazzi is an international group engaged in the design, manufacturing, and marketing of electronic control components for the global building and industrial automation markets.
Carlo Gavazzi Automation provides customers with technologically innovative, high quality and competitive solutions, in compliance with their requirements and expectations through its 23 National Sales Companies in Europe, the Americas and Asia & Pacific, operating with its factories in Italy, Mexico, Lithuania, and China.

For further information:
Carlo Gavazzi Automation SpA - Via Milano 13 – 20045 Lainate (MI) - Italy
Marketing and Communication - info@gavazziautomation.com - www.gavazziautomation.com