

SOLAN KSS

Junction Observation Post

Advanced multidirectional alert system for collision avoidance at intersections

In an age where industrial automation and swift logistics impose escalating demands on safety standards, the KSS from Solan Systeme provides a practical and effective solution for minimizing accidents and safeguarding human lives. By integrating sensor-based detection with distinct visual and audible alerts, the KSS converts hazardous intersections into secure and predictable areas.

In bustling warehouses and logistics centers, intersections—where aisles converge and forklifts maneuver—represent some of the most hazardous areas. Restricted visibility, sharp turns, and conflicting traffic patterns can swiftly transform routine movements into perilous scenarios. This underscores the importance of innovations such as the KSS from Solan Systeme.

How does it function?

The system employs forklift detectors that monitor factors such as speed, weight, and volume, ensuring that the alarm is activated solely by significant heavy vehicle movements rather than by pedestrian traffic.

When the system identifies a forklift nearing an intersection, it changes the traffic light in the direction of travel to green, while all other directions display red. Concurrently, an audible alarm is activated.

Once the forklift has traversed the intersection, the lights reset to green in all directions, and the system prepares for the subsequent event. The switching intervals (e.g., 5/9/14 seconds) can be adjusted based on the location to provide flexibility in accordance with traffic density and configuration.



The product assortment comprises:



A control module.



Four traffic lights featuring red and green LED indicators, accompanied by a speaker with an adjustable volume range of 84 to 104 decibels.



Four forklift detectors (or similar devices, such as electric pallet trucks) with a range of 6 to 12 meters.



A projector that displays a stop sign on the ground (optional).



Accessories for suspension and display.



KSS TL

equipped with 4-way forklift detection, 4 traffic lights, 4 detectors, a warning horn, a voice alarm, and a stop sign projector



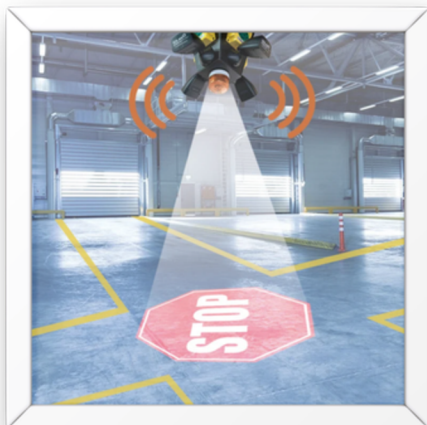
KSS ST

equipped with 4-way forklift detection, comprising 4 detectors, a warning horn, a voice alarm, and a stop sign projector



KSS TLSTS

with four-way forklift detection, four traffic lights + 4 detectors and stop sign projector



KSS TLST

equipped with 4-way forklift detection, 4 traffic lights, 4 detectors, a warning horn, a voice alarm, and a stop sign projector



KSS S.R.L.

4-way forklift detection system: four red lines, four detectors, warning horn, voice alarm, and stop sign projector.



KSS RL

Four-way forklift detection system: four red lines, four detectors, warning horn, and voice alarm.