

SOLAN ZSS

Zone Safety System/Observation Post

- **Forklift accidents are increasing. Take action now!**

The incidence of forklift accidents is rising markedly in factories, warehouses, and various other facilities.

Here are several reasons for the rise in these incidents:

- Stress and time constraints
- Inattention
- Escalating workload
- Limited visibility
- Unforeseen challenges

Many of these incidents transpire at intersections, at the terminus of lengthy corridors, or in zones with restricted visibility. Some are merely the result of negligence towards silent vehicles and pedestrians. Regardless of whether it involves a collision between a forklift and a pedestrian, between two forklifts, or arises from other factors, the repercussions can be equally catastrophic: lifelong injuries or, in the most severe instances, fatal accidents.

Options for the ZSS:

Supplementary warning systems, including sirens, buzzers, and beeping tones,

- External observation points and alerts
- Their extensive range offers thorough coverage of the entire area.
- Solan's ZSS can be customized to meet your specific requirements.



- **Prompt identification and notification of oncoming forklifts and pedestrians.**
- **Effortless and straightforward installation (operation necessitates a 12/24V AC infrastructure).**
- **Adaptable configuration based on client specifications and operational conditions.**
- **Economical solution**

• SPECIFICATIONS

Parameter	Specification (Metric)
Dimensions	14.5 × 10.4 × 21.8 cm
Operating Voltage (Sensor)	24 V AC
Temperature Range (Operation)	10°C – 60°C
Temperature Range (Overall)	-20°C – 60°C
Detection Range	4 – 8 m
Detection Angle	90° – 120°
Installation Height (from Floor)	1.8 – 2.4 m
Operating Voltage (System)	110–230 V AC
Maximum Current Consumption	0.5 A
Power Supply (LED & Detector)	24 V AC



Supplementary applications:

Alarm system for bus parking areas: The system alerts to any bus or truck entering the parking area or nearing an intersection.

Remote-operated alarm system

This system is employed during the transportation of hazardous materials within production facilities. For instance, when transporting liquid metal at 1,832 °F (approximately 1,000 °C), the user can activate remote warnings to ensure that individuals within a radius of up to 100 meters maintain a safe distance.

Alarm for Overhead Crane Movement: The system is installed in critical zones along the crane track. Warning lights are positioned at locations where employees traverse the crane track within the factory premises.

Height warning system for low clearances: A height warning system is designed to mitigate accidents by alerting drivers to low clearances for trucks, particularly when they may be unaware of their vehicle's height.

Voice warning system: As a forklift approaches, employees in the vicinity receive an early audio alert. The system provides various options that can be tailored to meet the specific needs of the operation.

Alarm system for mines: At intersections with restricted visibility, a warning is automatically generated regarding the approach of mine cars.



Various uses:



Accessible Road



Narrow Factory Access



Entrance/Exit
Parking Lot



Solan ZSS



Narrow Bridge



Warehouse
Entrance/Exit



Warehouse
Entrance Door



Danger Zone



90° Aisle
Access



Tunnel
Entrance/Exit



Forklift
Alarm



T - Intersection