

PAS: Pedestrian alert system

A solution to reduce the risk of accidents between forklift trucks and pedestrians



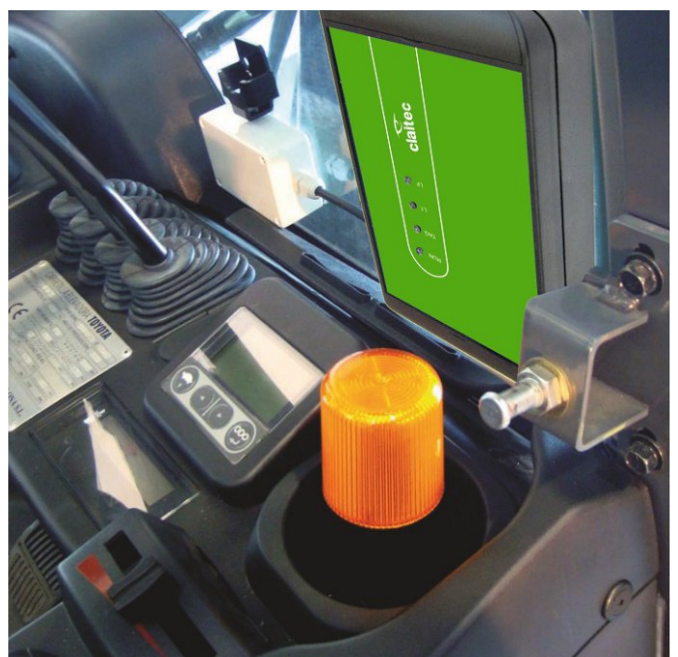
Claitec

CLAITEC is a company specialised in the creation of solutions for industrial safety and the prevention of workplace accidents.

SAFETY ON FORKLIFT TRUCKS AND PEDESTRIANS

Solutions to improve the prevention of occupational hazards by reducing accidents between forklift trucks and pedestrians.

These solutions contribute added value to forklift truck distributors and manufacturers and enable them to differentiate the technological positioning of their fleet and the added services they want to provide.



PAS solution: Pedestrian alert system

Solution for the prevention of workplace accidents especially created for companies where there is a risk of accidents with pedestrians, whether company employees or other staff, who share the workspace with forklift trucks.

The pedestrian alert system (PAS) is a solution that warns forklift truck drivers when it detects pedestrians at adjustable distances from 0,5 to 6.5 metres. Pedestrians must wear electronic tags that are detected by a device on the forklift truck, warning the driver of the risk.

Main operating characteristics

- Detection of pedestrians in the area of operation of forklift trucks
- Frontal detection adjustable from 0.5 to 6.5 metres in ideal conditions
- Back detection adjustable from 0.5 to 6.5 metres in ideal conditions
- Side detection of up to 4 metres
- All the devices that make up the system are long-lasting and rugged
- Easy to install

Areas of application

- Loading/unloading areas for outside drivers
- Areas with limited visibility at intersections between pedestrians and forklift trucks
- Exits from warehouse aisles at moderate speed
- Spaces or work areas shared by forklift trucks and pedestrians, such as production lines with limited areas for the movement of pedestrians and forklift trucks

Advantages of the PAS solution

- Reduces accidents
- Aid for safer driving
- Reduction of accident compensation
- Differentiation from other solutions that do not discriminate between obstacles and people

Usage of PAS solution

- Forklift trucks of up to 3.5 ton load capacity
- Ideal speed in areas between 6 Km/h and 8 Km/h

PAS KIT

The PAS solution is marketed in the form of a kit, making it easy to install by any forklift truck distributor.



Types of warnings

Warning light
(Front part of the forklift)



Braking
(If the forklift model permits)



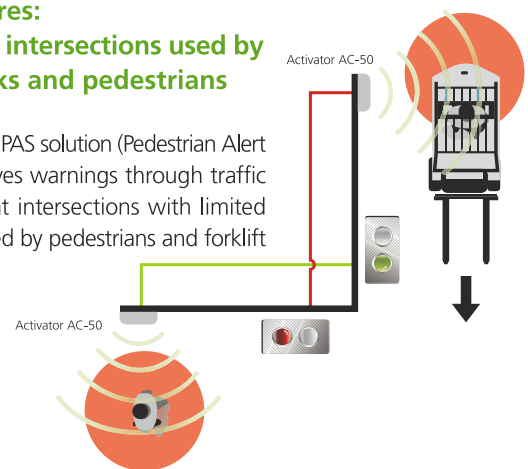
Acoustic
(Optional)



Other features:

Warnings at intersections used by forklift trucks and pedestrians

Extension of the PAS solution (Pedestrian Alert System) that gives warnings through traffic lights located at intersections with limited visibility and used by pedestrians and forklift trucks.



System components

ACTIVATOR

- 1 activator fitted with 2 LF antennas
- Activator 24 Volt power supply through converters for stabilisation
- Flash type warning light
- Response time: 400 ms
- Digital outputs for connection to the forklift truck
- Self-control tag: Fault output in the event of not detecting the activator on the forklift, always enabling fail-safe operation

PERSONAL TAG

- Robust and ergonomic
- Manual button to give voluntary warnings to nearby forklift trucks (15 m.)
- Available as a key ring, karabiner and the possibility of a bracelet or armband

DRIVER TAG

- Driver cancellation system: Accessory device installed on the forklift to prevent detection of the driver's tag

ANTENNA VERIFICATION

- Regular verification of the battery condition using LEDs (Red-Green)
- RF control signal for correct communication
- Software (optional): Record of tags detected, record of employees who have checked the tag and the battery condition





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