

Fork Alert™

TOTALTRAX, INC.

The Fork-Alert™ system is a unique system in use world wide that utilizes Infrared Technology to warn pedestrians of approaching forklifts and/or mobile plant equipment.

The Fork-Alert system gives an early, specific warning that a forklift is approaching in what may otherwise be an area that the forklift is not yet visible. Most commonly used in "black spot" applications, Fork Alert can also be used to open doors, prevent forklifts with high masts from entering low doorways and can be applied to cranes and heavy mining machinery.

How does it work?

The Beacon



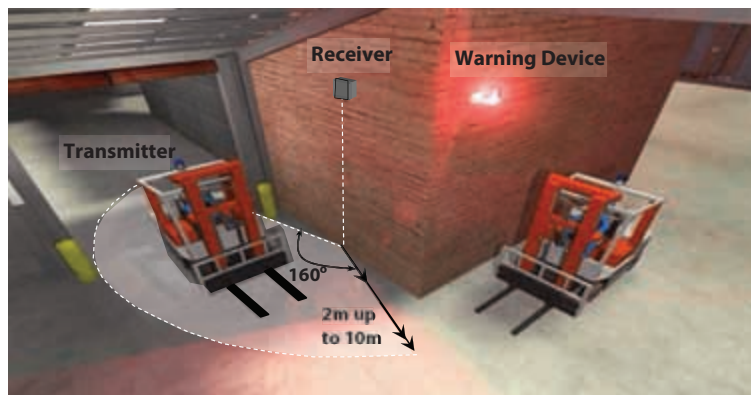
Each forklift is fitted with a transmitter (Beacon) that sweeps a coded infrared (No RF) beam around the forklift and transmits downwards (-20°) and upwards (+60°). Note: This beam is invisible

The Receiver



When a transmitter (Beacon) gets within the range of a strategically placed receiver.....

The Fork Alert Model



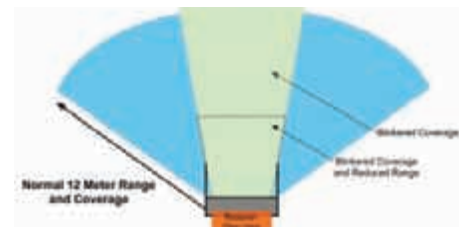
...the Receiver (via a Controller unit) triggers an audible or visible alarm, a barrier, automatic doors, boom gates, etc;

Range



The range control potentiometer is used to reduce the range from 12 meters down to 2 meters.

Width



It is possible to blinker the Receiver (as you can with your own eyesight) to exclude areas of coverage to prevent unwanted alarms.

How Fork-Alert is Used

Fork-Alert is used in “Black Spots” or “Danger Areas” of the plant. It is most effective when only used in these types of high danger areas.

Used where the approaching Forklift cannot be seen until it is almost upon the pedestrian, Fork-Alert is a great safety solution for:

- Blind corners
- Shared doorways
- Doorways that open into fork traffic areas
- Racking aisles
- Workstations where forklifts come in around employees to drop off materials

Safety Considerations

Statistics indicate * :

- 61% of forklift related deaths involve pedestrians
- There is one workplace injury claim DAILY relating to forklifts
- These claims result in pay-outs of over \$20,000 each
- A “serious” accident can cost a company more than \$200,000

New guidelines from many authorities have specified the need for systems such as the Fork-Alert system to warn the pedestrian of the imminent danger a forklift poses.

**Workcover Victoria Statistics*

Advanced Warning

Fork-Alert gives pedestrians **at least 4 seconds warning** of an approaching forklift to ensure they are in a safe location.

