

Radar Blind Spot Safety System

Preco Electronics Inc. was established in 1947 by Edwin Peterson as a re-builder of automotive water pumps, batteries, starters and generators. In 1967 Preco pioneered the invention of the electronic reversing alarm, which has been recognized and accepted in the commercial heavy equipment industry for over 30 years. Today, Preco's strong heritage brings a unique blend of high quality engineering and manufacturing of rugged products for work-site safety and leading edge technology solutions that solve business issues in the heavy equipment industries.

Construction sites often include a dangerous mix of oversized trucks, service trucks, and people on the ground in constant motion trying to meet aggressive deadlines. With all this activity, drivers must be actively warned of potential collisions. A back-up alarm is no longer enough to ensure safety. Preco's PreView Radar offers a solution to the circumstances specific to busy construction sites.

Prevent Collisions: PreView Radar is a pulsed radar object detection sensor designed to detect moving and stationary objects in blind spots to significantly reduce accidents. PreView consists of three simple components: 1) external sensor; 2) in-cab display to provide audible and visual notification to the operator; and 3) cable system to connect the sensor and display. Coverage area can be up to 32 feet / 10 meters depending on the sensor chosen and your specific needs.

Rugged Solution: This is not an automotive-grade backing aid. PreView's rugged sensor design is specially encased to take on the harsh conditions common with heavy duty trucks and machines. PreView sensors continue to be an effective tool in the most extreme conditions, such as construction sites and working mines where mud, dust, and grime is measured in inches. Additionally, PreView can still "see" those hidden objects in even the worst weather, including snow, fog, heavy rains, and ice.

Reliable and Proven: PreView customers are reporting reductions of more than 75% in blind spot accidents since installing PreView on their heavy duty fleets. This combination will actively alert the vehicle operator to take immediate action which could save lives or prevent costly property damage. The system offers preventive measures giving a fleet a better chance at preserving precious life and limb while protecting company and work site assets.

<http://www.previewradar.com/>



Concrete Truck / Cement Mixer Example

1. One Standard PreView sensor is mounted on the rear of the cement truck to cover the most deadly blind spot areas that are missed by standard mirrors.
2. Feed included cable to connect the display and the sensors.
3. The display unit provides an audible and visual warning to the operator when an object or pedestrian is in the blind spot. This gives the driver extra time to react to prevent an accident.



Mining Scraper Example

1. Four Xtreme PreView sensors are mounted, one each on the front, rear, right side and left side. This covers the most dangerous blind spots.
2. Feed cable through vehicle to connect then in-cab display to the sensors.
3. The in-cab displays provide the driver with an audible and visual alert when an object is in the detection zone. As the object moves closer to the sensor, the audible alert increases and more LEDs light up on the display

	Preview	Ultrasonic	Camera
Consistently works in severe duty applications	X		
Provide driver w/ audible & visual in-cab warning	X	X	
Operation in extreme weather conditions	X		
Support multiple inputs	X		X
Compatible weather safety tool	X		X
Support on-road and off-road vehicles	X		X

The benefits, features and great versatility of Preco’s PreView technology positions it as a premier safety system for on-road, off-road use, and many non-vehicle applications.