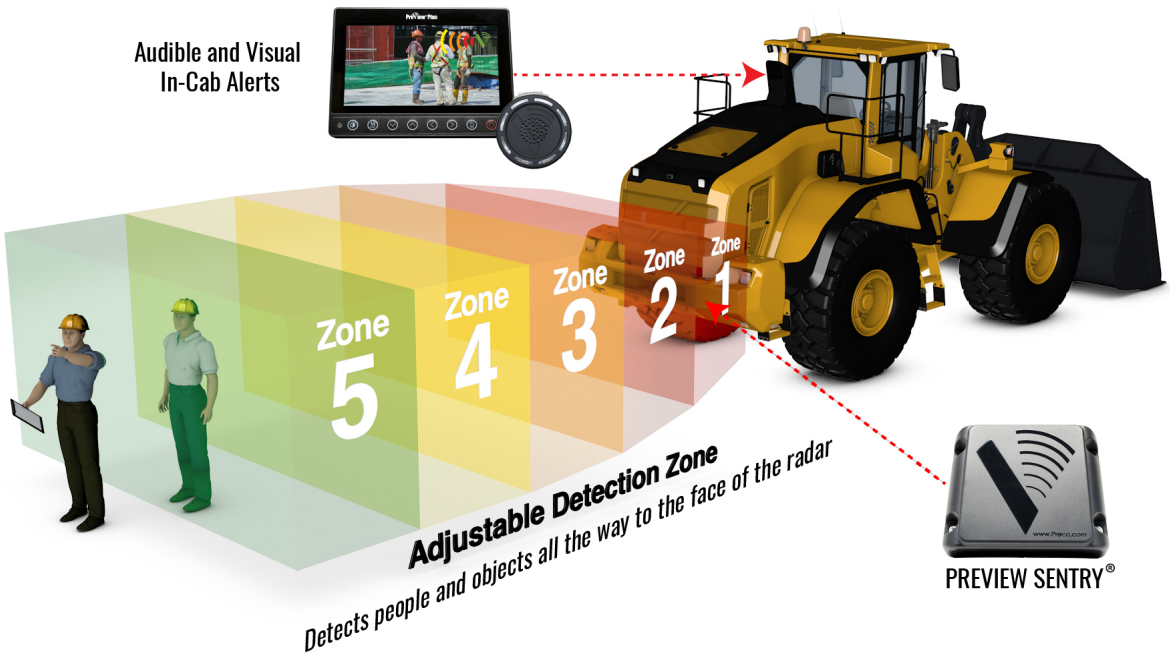
PREVIEW SENTRY®

PreView Sentry® radar is the most flexible and reliable radar available for heavy-duty vehicle and equipment industries. Sentry accurately detects objects in equipment blind zones and notifies the operator with both audible and visual alerts. These active alerts warn the the operator of potential collisions and allows them to take the appropriate action. Sentry is built tough to withstand the harshest working conditions imaginable, so it works everytime, all the time.

BUILT TOUGH FOR HEAVY DUTY INDUSTRIES

- CONSTRUCTION
- MINING
- TRUCKING
- FLEET
- WASTE
- UTILITY
- DELIVERY
- MUNICIPALITIES



PRECO Electronics, Inc. | info@preco.com | www.preco.com | +1.866.977.7326

SENTRY - FLEXIBILITY AND RELIABILITY

PreView Sentry® is the world's most flexible object detection radar. With programmable detection zones, PreView Sentry can cover rear, side and front blind spots on any equipment or vehicle. Built tough for heavy-duty applications, Sentry will help companies reduce costs, decrease the incidents of collisions and most importantly, save lives.

- Rugged design, engineered to operate in all weather conditions
- Customizable detection zones-range *and* width
- Measures distance and angle to objects, providing object location
- Measures velocity of objects
- Provides in-cab audible and visual in-cab active alerts
- Integrates with PreView Plus camera/monitor system, or any existing vision system
- Built-in sensor failure alert
- CAN bus communication protocol - ability to report sensor data to a logging device or telematics applications
- Ability to track up to 16 objects simultaneously
- Detects objects all the way to the face of the radar

SENTRY - TECHNICAL DATA

MEASURING PERFORMANCE	
Programmable Range:	*0-30M (0-98')*
Programmable Width:	*2M-8M (6.5'-26')*
Azimuth Field of View:	*±75 degrees*
Elevation Field of View:	*±10 degrees*

OPERATING CONDITIONS	
Frequency:	*24.00 - 24.25 GHz (ISM Band)*
Power Supply:	*9 – 33VDC, Reverse polarity and over-voltage protected*
Current:	*<0.5A*
Operating Temperature:	*-40C to +85C (-40F to +185F)*
Shock:	*50G*
Vibration:	*25G, random, all three axis*
Protection Rating:	*IP69K*

Environmentally Hardened Polycarbonate Radome

1.1lb/0.5kg

4.06"/10.3cm

Depth: 1.28"/3.3cm

4.9"/12.5cm

COMMUNICATIONS INTERFACE	
J1939/ISO 11898 CAN Bus:	*250Kbits/sec, terminated, with 120 ohm resistor [default]. Supports up to 500Kbits/sec*
	Supports up to 8 radars on a single J1939 bus (CAN-bus)
Alarm Output Interface	*Switch to ground, sink up to 1 amp, over current protected*