

PCSAS620-112 WorkSight® System

QUICK INSTALLATION GUIDE



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ELECTRONICS

1 Before You Start

Contents:
 WS6220 Sensor (1)
 Sensor Mounting Hardware: 4 each - 1 1/4" x 10-24 Bolts, Locking Hex Nuts, and Flat Washers
 PVP760 Camera System (1)
 (1) PVP710 Monitor
 (1) CPK732 Camera / Cable
 (1)CPC700 Camera
 (1) DDC023C Cable
 Mounting Hardware, (2) Monitor brackets, (1) Camera bracket, (4) Trigger Wires, power adapter, and sun shield (not shown)
 SAS Alarm (1) 87-112dB Alarm (Safety Alert System)
 Cables (2)
 WSAS INT Cable 4' / 1.2M (1)
 WS610PT Transition Cable 30' / 9.1M (1)
 SAS Connector Kit
 (1) each DT06-4S connector and W4S lock wedge
 (3) 0462-201-16141 Deutsch pins, (1) 114017 sealing plug
 User Manuals and Drill Template

2 Mount Sensor

Select a location for the sensor approximately 3ft/1M from the ground. Ideally the sensor should be centered on the rear of the vehicle. The sensor face should be perpendicular to the ground with the 'PreView' graphic oriented as shown in install diagram.

Important!
 Before the PreView Sensor is permanently installed to the vehicle, verify the selected location provides a clear detection zone. Temporarily attach the sensor in the proposed location, apply power to the system, and verify nothing is detected.

Mounting
 Using the drill template, scribe position marks through the holes and drill 1/4" (6mm) holes centered at the marks. A 1 1/2" diameter clearance hole is required for the sensor connector and the mating cable. Secure the sensor to the vehicle with the supplied hardware. Apply a maximum of 22 in-lbs to secure the sensor.

3 Mount / Install Alarm

SAS—Safety Alert System. Remove existing back up alarm and mount the SAS Alarm in the same location or in close proximity. Connect SAS INT cable to alarm, power, and to WS610T.

4 Install WS610T / Camera Cables

Routing the cables should start at the back of the vehicle and end in the cab. Allow a small service loop in the cable at the sensor or camera and secure the cable every few feet (~1M) with tie wraps. To enter the cab, drill a 1" (24mm) hole and feed the cables through. Route the remaining length of cable to the Monitor. Install SAS connector kit to WS610PT, detailed below.

Critical Note!
 The sensor mating connector is fully waterproof if mated properly. **The connectors with a collar (coupling ring) must be turned to the right until they lock with the mating connector. The connectors with a latch(es) must click (locking mating connectors together).** Do not route cable next to heat sources or area that may see abrasion or rock and debris damage. Bundle and store any excess cable.

White = Pin 3
 Black = Pin 2
 Red = Pin 1
 Sealing Plug = Pin 4

Install terminals on the 3 wires, install pins and sealing plug in the connector, and add lock wedge. Use appropriate Deutsch crimp tool set for 18awg wires.

5 Mount Monitor and Camera

Mount the monitor in a location easily viewed by the driver. Use supplied hardware. Wiring detailed on the back of this document.

Mount the camera on the rear of the vehicle to achieve the best possible view of the area. Use the supplied hardware.

Vehicle shown for reference

Note orientation: THIS SIDE UP

Wire Connections Wiring Diagram >>>> **Back Page**

The quick install guide is only a supplement to the product manuals. Please read all of the manuals for complete information and instructions before installing the product.



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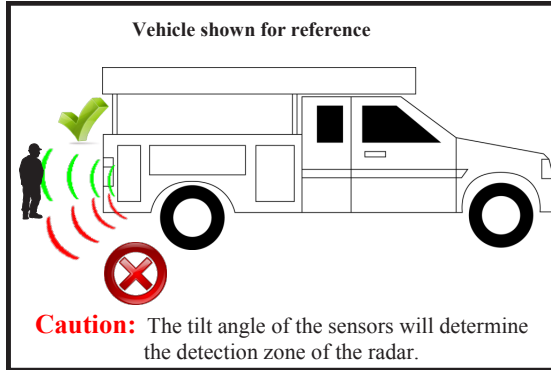
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Initial System Power Up and Test

Once the sensor, camera system, and SAS alarm are installed, wired and connected, power should be applied to test system operation. The monitor should power up and display the camera view. The vehicle must be placed in reverse to power up the sensor. The SAS alarm should also begin sounding and should either change tone (SAS97DT) or increase in volume (SAS) with the detection of an object. Any detection will be indicated on the monitor, check for any objects that may be detected by the sensor. If possible, move the sensor so it does not detect the object(s). If it is not possible to relocate the sensors contact Preco Electronics, Inc™.

If for some reason the system is malfunctioning, the  will change to a yellow triangle indicating a failure. Refer to the Troubleshooting section in the monitor manual to determine the error and potential causes.

Once the system has been installed and verified, the detection zone should be tested. The test should be performed with two people, one who remains in the cab (the operator), and one who walks through the sensor field to the rear of the vehicle (the assistant). The operator engages the parking brake, presses the vehicle brake, and places the vehicle in reverse. The assistant then walks through the detection zone while the operator notes where the monitor displays a detection. An accurate detection zone can be mapped by moving about the rear of the vehicle and noting when the monitor displays a detection. The assistant could also map the detection area instead of the operator by noting where the alarm either changes tone (SAS97DT) or increases in volume (SAS). **NOTE: Assistant should wear hearing protection to prevent hearing damage as the SAS alarm is very loud.**



The PreView® system is a blind spot collision warning system designed to supplement other safety practices and/or devices. The machine operator is always the first line of defense when safely operating a vehicle.

TESTING / MAINTENANCE

Test the PreView® Radar System every day for functionality and performance prior to vehicle operation, refer to the sensor manual.

