

WorkSight® PVP System


QUICK INSTALLATION GUIDE



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ELECTRONICS

1 Before You Start

Contents:
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)
WS610PT Transition Cable 30' / 9.1M (1)
User Manuals and Drill Template




See additional configurations on the back page

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 below.

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. Contact Preco Electronics, Inc.™ for a bracket if necessary.



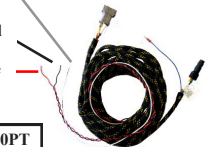
Note orientation:
THIS SIDE UP

3 Install WS610PT Cable

Routing the cable should start at the sensor and end in the cab. Allow a small service loop in the cable at the sensor and secure the cable every few feet (~1M) with tie wraps. To enter the cab, drill a 1" (24mm) hole and feed the monitor connector through. Route the remaining length of cable to the Monitor.

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 = N/C
Black = Ground
Red = Reverse



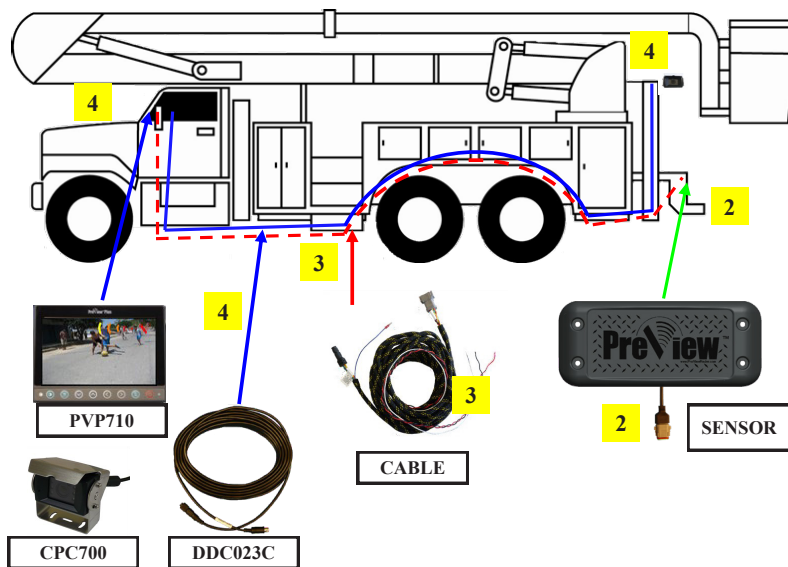
4 Mount Monitor and Camera

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.

Routing the cable should start at the rear of the vehicle and end in the cab. Allow a small service loop in the cable at the camera and secure the cable every few feet (~1M) with tie wraps. To enter the cab, drill a 1" (24mm) hole and feed the monitor connector through. Route the remaining length of cable to the Monitor.

Vehicle shown for reference



Wire Connections
Wiring Diagram



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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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Initial System Power Up and Test

Once the sensor and camera system 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. 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.

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.

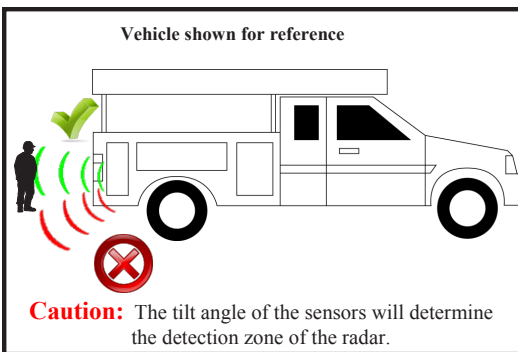
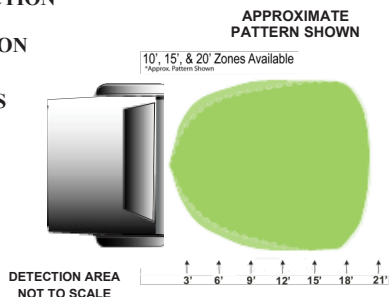
MONITOR OVERLAY GRAPHICS

SENSOR POWER / NO DETECTION

NO SENSOR COMMUNICATION

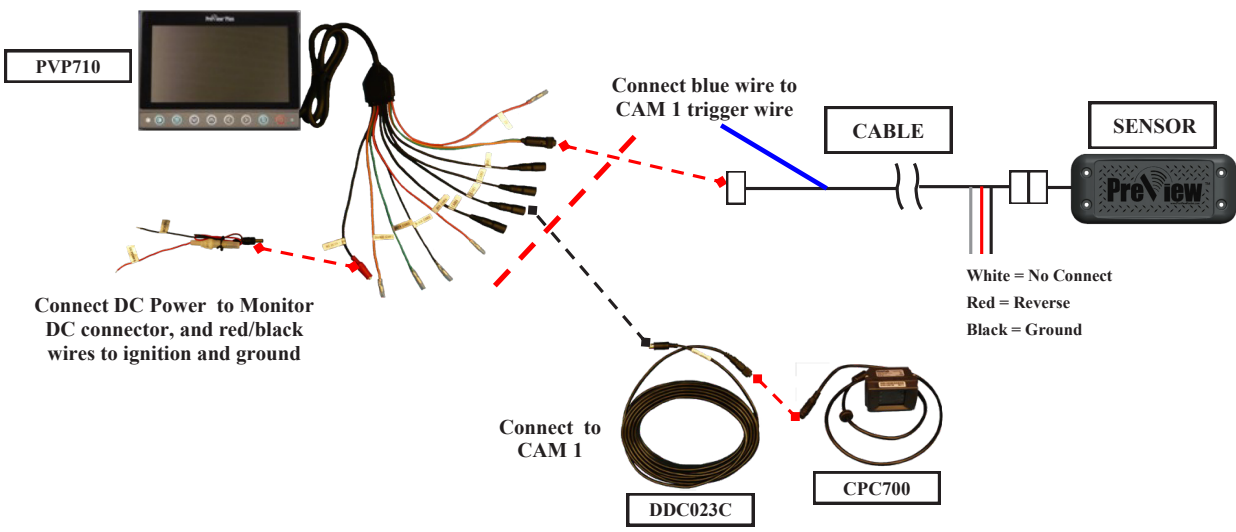
DETECTING OBJECTS

Reference Monitor Manual for additional information



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.

Configurations:
Sensor (range) available: WS6210 10'/3M, WS6215 15'/4.5M, and WS6220 20'/6M
Transition Cables Available: WS610PT 30'/9.1M, WS6145PT 45'/13.7M, and WS6160PT 60'/18.3M



TESTING / MAINTENANCE

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

