

WorkSight® PreView® System

QUICK INSTALLATION GUIDE

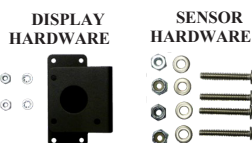


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1 Before You Start

Contents:

Sensor (1) Additional options on back page
Sensor Mounting Hardware: 4 each - 1 1/4" x 10-24 Bolts,
10-24 Locking Hex Nuts, and #10 Flat Washers
CD6102 Display(1)
Display Mounting Hardware
Mounting Bracket(1)
2 each—4-40 1/4" Hex Nut and #4 Lock Washer
WS610T 30'9.1M Transition Cable (1)
User Manual 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.



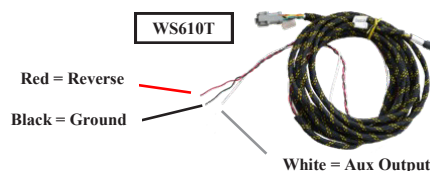
Note orientation:
THIS SIDE UP

3 Install Transition 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 Display.

Critical Note!

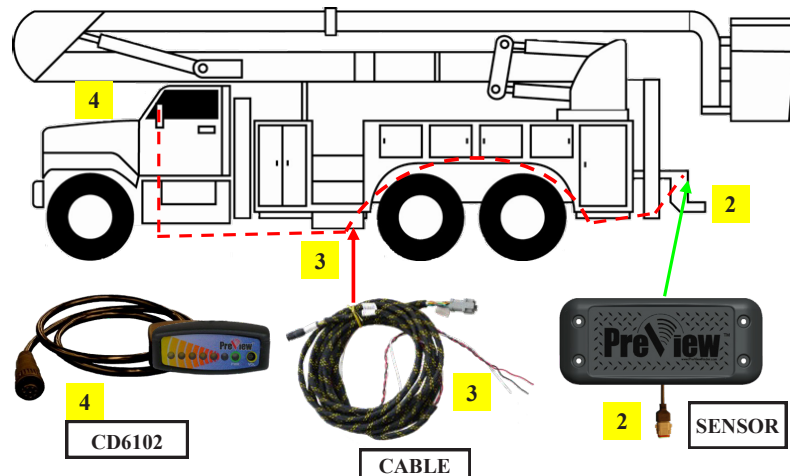
The sensor mating connector is fully waterproof if mated properly. **The connectors with a collar (coupling ring) must be turned to the right until they lock with the mating connector. The connectors with a latch(es) must click (locking mating connectors together). Do not route cable next to heat sources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



4 Mount Display

Mount the display in a location that is easily viewed by the driver during vehicle operation. Possible locations for the display is on the dash or by either windshield pillar. Use the drill template and supplied hardware (including the bracket) to mount the display in the cab of the vehicle.

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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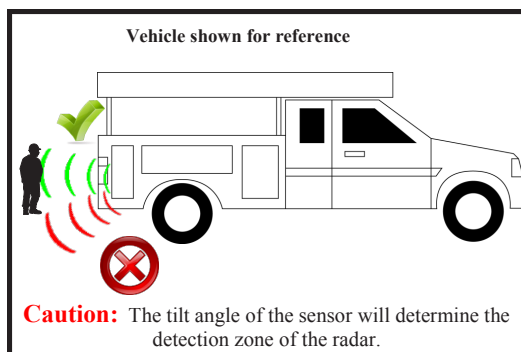
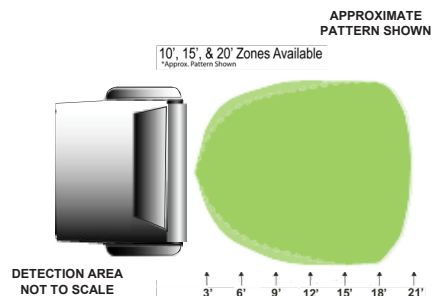
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Initial System Power Up and Test

Once the sensor and display system are installed, wired and connected, power should be applied to test system operation. The vehicle must be placed in reverse to power up the system and the green LED will be the only light illuminated (the 3rd yellow LED may flash once). If any of the detection (yellow) LED's are lit, check for any objects which 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 sensor contact Preco Electronics, Inc.

If for some reason the system is malfunctioning, the status LED will turn from green to red, one of the yellow LEDs will be illuminated, and the buzzer will emit a short stutter sound. Refer to the Troubleshooting section in the manual to determine the error and potential causes.

Once the system has been installed, 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 display buzzer activates. An accurate detection zone can be mapped by moving about the rear of the vehicle and noting when the display buzzer activates.



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.

Configurations:

Sensor (range) available in 10' WS6210, 15' WS6215, and 20' WS6220

Transition cable available in 30'/9.1M WS610T, 45'/13.7M WS6145T, and 60'/18.3M WS6160T

