

WorkZone PreView®

QUICK INSTALLATION GUIDE



Powered by
PRECO
ELECTRONICS

1 Before You Start

Contents:

Sensor (1), Display (1)
Interconnect Cable 25' / 7.6M (1)
Sensor Mounting Hardware: 4 each
1 1/4" x 10-24 Bolts, Locking Hex Nuts, and Flat Washers
Display Mounting Hardware:
Mounting Bracket (1)
2 each—4-40 1/4" Hex Nut and #4 Lock Washer
Drill Template for Sensor and Display
User Manuals

See additional configurations and accessories on the back page

2 Mount Sensor

Select a location for the sensor approximately 3ft/1M from the ground. (If the sensor must be installed higher than 3ft/1M, the sensor may need to be tilted down slightly to achieve the desired detection zone.) 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 System 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" 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.



Note orientation:
THIS SIDE UP

3 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 as desired.

Mounting Hardware

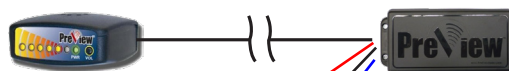


4 Install Cable

Routing the cable should start at the sensor. 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 display connector through. Route the remaining length of cable to the display.

Critical Note!

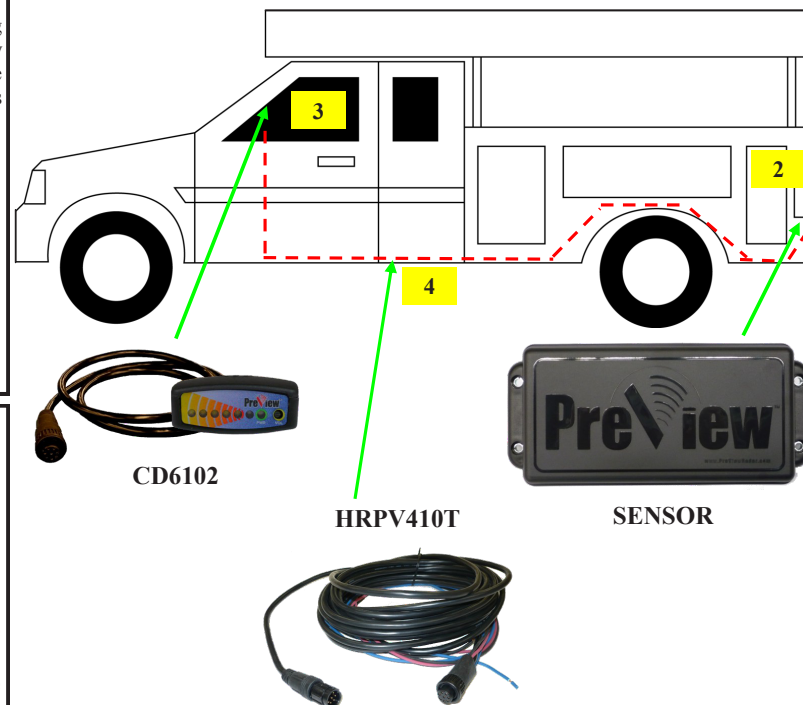
The connectors are fully waterproof if mated properly. The connectors with a collar (coupling ring) must be turned to the right until they lock with the mating connector. Do not route cable next to heat sources or area that may see abrasion or rock and debris damage. Bundle and store any excess cable.



Red = +12/24 VDC (reverse circuit)

Black = Ground

Blue = Aux Output



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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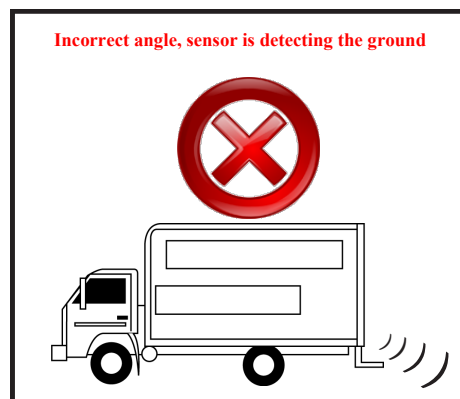
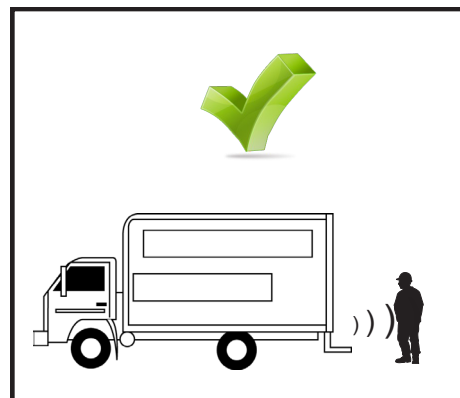
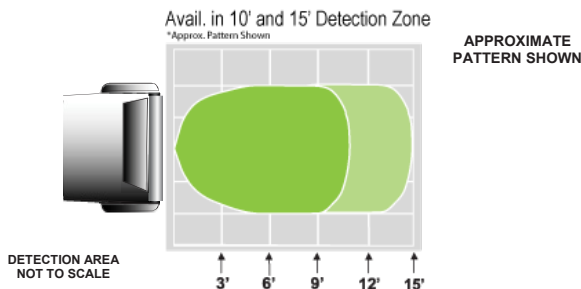
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Initial System Power Up and Test

Once the sensor and display are installed, wired and connected, power should be applied to test correct system operation. The vehicle must be placed in reverse to power up the system and the green status 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 display 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 Sensor should be centered on the rear of the vehicle for best coverage. **Caution:** The tilt angle of the sensor will determine the path of the radar. (See images above)

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: WZPV5210 (10'/3M) or WZPV5215 (15'/4.5M)

Accessories:

Extension Cables Available: HRPV4110 = 10'/3M, HRPV4115 = 15'/4.5M, and HRPV4125 = 25'/7.6M

TESTING / MAINTENANCE

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

