

# PCWZPV WorkZone System

## QUICK INSTALLATION GUIDE



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**PRECO**  
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)  
HRPV410T Transition Cable 25' / 7.6M (1)  
User Manuals and Drill Template

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 Camera**

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

**4 Install HRPV410T / Camera Cables**

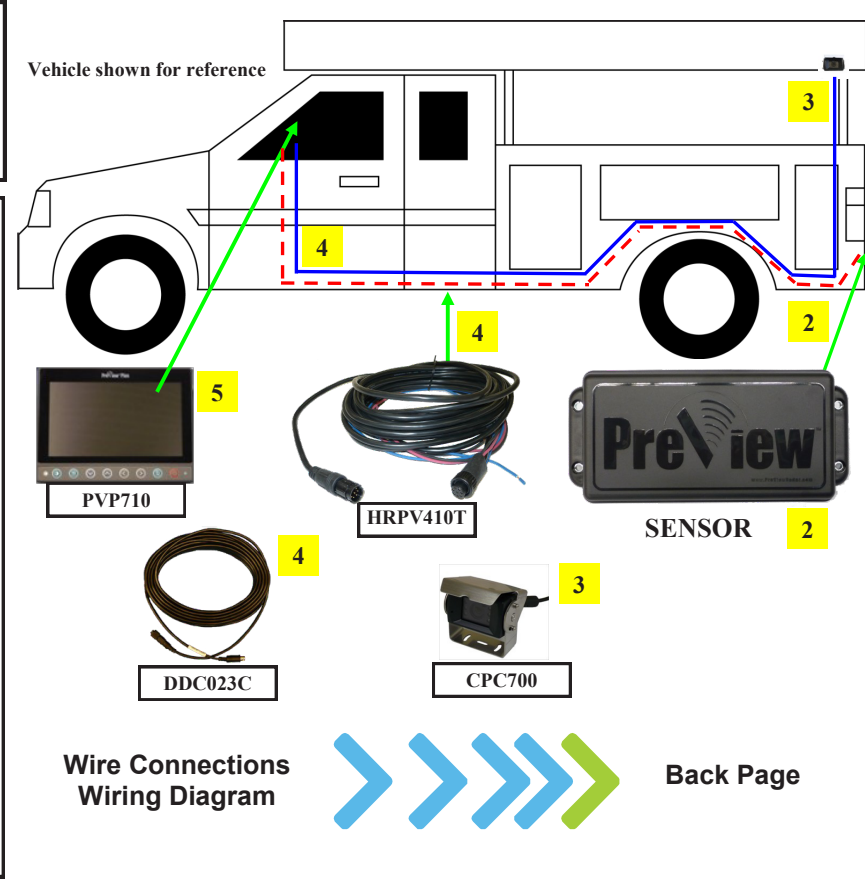
Routing the cables should start at the rear of the vehicle and end in the cab. Allow a small service loop in the cable at the sensor and secure the cable every few feet (~1M) with tie wraps. Allow a small service loop in the cable at the camera and secure the cable every few feet (~1M) with tie wraps.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

**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 = Reverse  
Black = Ground  
Blue = N/C

**3 Mount Monitor**

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



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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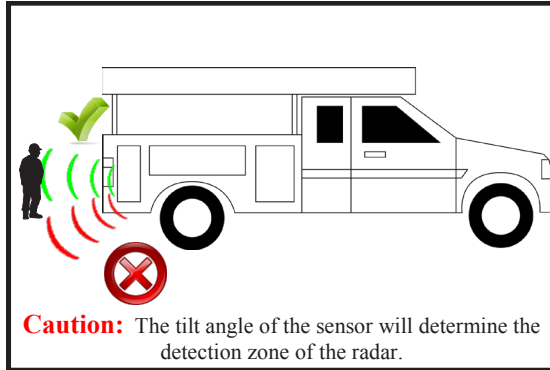
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### Initial System Power Up and Test

Once the sensor 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 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  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 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

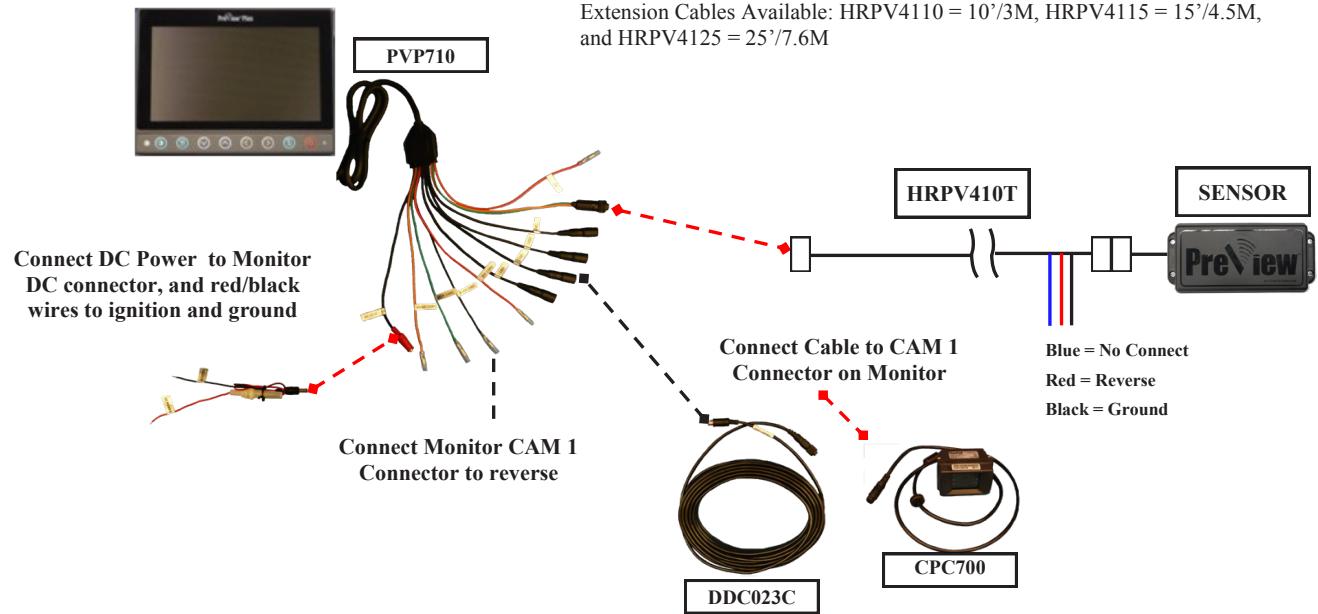
Test the PreView® Radar System every day for functionality and performance prior to vehicle operation, refer to the sensor manual.

#### Configurations:

Sensor range available: WZPV5210 10’/3M and WZPV5215 15’/4.5M

#### Accessories:

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



#### MONITOR OVERLAY GRAPHICS

 SENSOR POWER / NO DETECTION

 NO SENSOR COMMUNICATION

 DETECTING OBJECTS

Reference Monitor Manual for additional information

#### APPROXIMATE PATTERN SHOWN

Avail. in 10' and 15' Detection Zone  
\*Approx. Pattern Shown



DETECTION AREA NOT TO SCALE

3' 6' 9' 12' 15'

