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Xtreme PreView[®]

Display

XPV4103 | XPV4104 | XPV4103 OC

Operating Manual

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PATENTS

Patented under one or more of the following U.S. Patents:

5345471, 5523760, 5457394, 5465094, 5512834, 5521600, 5682164, 5630216, 5510800, 5661490, 5609059, 5774091, 5757320, 5581256, 5832772, 5519400, 5767953, 5767627, 5589838, 5563605, 5661385, 5517198, 5610611, 5883591, 5805110, 5754144, 7088284, and 7215278.

Other patents have been applied for.

TRADEMARKS

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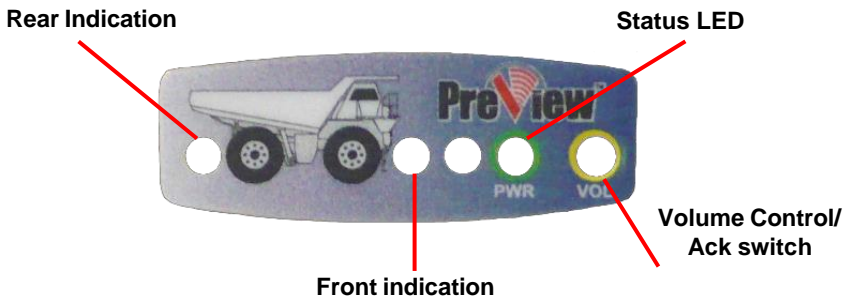
Operator Display Description

There are two “specialty” displays specifically designed for use with the Xtreme PreView® sensor system. A Front/Rear display (XPV4103) and a Left/Right display (XPV4104), and an OC (Open Cab) variant.

Front/Rear - XPV4103 / XPV4103 OC

The Front/Rear operator display provides the vehicle operator with a visual indication of a detected object for a multiple sensor system. The Front/Rear display provides LEDs to indicate detection at the front or rear of the vehicle (shown below). A Status LED provides a visual indication of system health – green indicates powered and operating, while red indicates a malfunction.

The front/rear display unit also contains a buzzer which provides an audible alert that will increase in rate as an object becomes closer, providing the operator with another cue that an object is being detected. The Volume Control/Acknowledge Switch allows the vehicle operator to adjust the buzzer volume.*

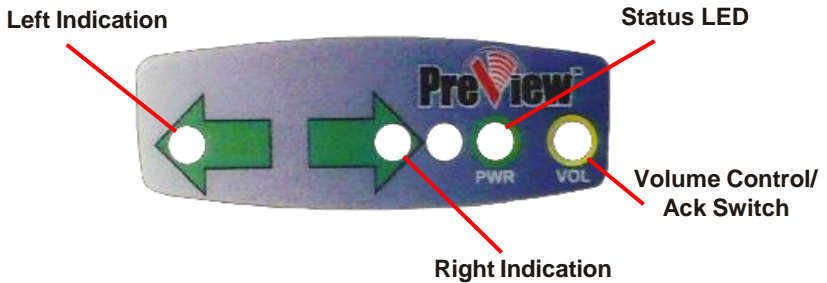


*XPV4103 OC does not include the Volume Control / Acknowledge Switch.

Left/Right - XPV4104

The Left/Right operator display provides the vehicle operator with both visual and audible indications of a detected object for a multiple sensor system. The Left/Right display provides a single LED to indicate detection for both directions.

Like the Standard ranging display, the left/right display also contains a buzzer to provide an audible alert that will increase in rate as an object becomes closer, providing the operator with another cue that an object is being detected. This display also includes the Status LED and the volume/acknowledge switch.



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.

Display Mounting Instructions

The display unit should be mounted where the vehicle operator can easily view it while backing. The PreView® display unit comes equipped with a mounting bracket and hardware. If desired, the display unit can be mounted to the display bracket with the supplied hardware. This bracket can then be mounted in the vehicle cab as desired.

Operator Display Error Indications

Front/Rear and Left/Right Displays

Due to the limited number of LED's available, either the front or rear LED will flash to indicate a problem has occurred with a front or rear sensor, respectively. For Left/Right displays, either the left or right LED will flash to indicate a problem has occurred with a left or right sensor, respectively.

The error code is indicated by the number of quick LED flashes followed by a short off time. See Table 1 below for detailed information:

Flashing Sequence	Reason
1 on, 1 off	Built in Self Test Error – Contact Factory
2 on, 1 off	Built in Self Test Error – Contact Factory
3 on, 1 off	No communication with sensor(s)
4 on, 1 off	Missing sensor (multiple sensors only)

Table 1. F/R and L/R Display Error Codes

Troubleshooting

Display Status LED is not illuminated.

- Verify that DC power (9-33V) is applied to the sensor.
- Verify that the cable(s) between the sensor and display are connected.

Display Status LED is RED.

- Determine error code from Table 1.
- Check connection between display and sensor(s).
- Use the PVST4000 Service Tool to further diagnose system

Detection LED(s) are always illuminated when sensor is mounted.

- Verify the sensor is pointing outward from the vehicle in an open area with no obstructions. This may require removing the mounting screws and lifting the sensor out away from the vehicle. If the detection LED(s) are not active when moved away from the vehicle, but are active when mounted, then the sensor's mounting position will have to be moved.

For questions, call +1.844.787.2327 toll free in the USA. Call +1.208.323.1000 or send a fax request to +1.208.323.1034 for outside the USA, or submit an online request at www.precos.com/contact-us/

A safety specialist will respond within 24 hours.

Specifications

DISPLAY SPECIFICATIONS

Model: XPV4103, XPV4103 OC, and XPV4104
Housing Material: Polycarbonate/ABS alloy
Dimensions: 1.00"H x 2.25"W x 2.00"D (2.5cm x 5.7cm x 5.1cm)
Weight: 0.25 lb. (0.11 kg)
Mounting: User dependent

ELECTRICAL SPECIFICATIONS

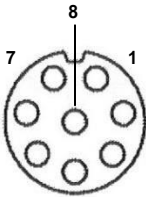
Power supplied by sensor

OPERATING CHARACTERISTICS

Warning Ranges: 1 zone

COMMUNICATION

Physical Layer: CAN 2.0B, 250 KB/s
Protocol Layer: SAE J1939 Extended
Data Update Rate: 70 ms



MATING END VIEW

CONNECTOR PIN OUT	
PIN	SIGNAL NAME
1	CAN HIGH
2	CAN LOW
3	-
4	-
5	POWER
6	GROUND
7	-
8	-

PRODUCT MANUFACTURED IN THE USA

Warranty Information

MANUFACTURER STANDARD LIMITED WARRANTY AND LIMITATION OF LIABILITY

Manufacturer warrants that on the Date of Purchase this Product will conform to Manufacturer's published specifications for the product, which are available from Manufacturer on request, and Manufacturer warrants that the product is free from defects in materials and workmanship. This Limited Warranty extends for sixty (60) months from the date of shipment. Manufacturer will, at its option, repair or replace any product found by Manufacturer to be defective and subject to this Limited Warranty.

This Limited Warranty does not apply to parts or products that are misused; abused; modified; damaged by accident, fire or other hazard; improperly installed or operated; or not maintained in accordance with the maintenance procedures set forth in Manufacturer's Installation and Operating Instructions.

To obtain warranty service, you must ship the product(s) to the specified Manufacturer location within thirty (30) days from expiration of the warranty period. To obtain warranty service you must call PRECO Electronics® Customer Service at +1.866.977.7236 or +1.208.323.1000, or fax your request to +1.208.323.1034. Customer Service will issue warranty authorization and further instructions. You must prepay shipping charges and use the original shipping container or equivalent.

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Any oral statements or representations about the product which may have been made by salesmen or Manufacturer representatives do not constitute warranties. This Limited Warranty may not be amended, modified or enlarged, except by a written agreement signed by an authorized official of Manufacturer which expressly refers to this Limited Warranty.

PreView® Add-On Options:

PreView® Plus Monitor System – Ultimate safety and object detection system configurable with up to 4 cameras and 24 sensors.

PreView® Safety Alert System – The PreView® radar sensor detects an object in the blind spot. Once the object is detected, PreView® triggers the back-up alarm to either increase the sound of the alarm OR change the beep rate to alert pedestrians outside of the vehicle of the danger.

Custom System Configurations – Thanks to the advanced engineering by the PRECO Electronics® Engineers, the technology behind PreView® sensors can easily integrate or control your vehicles existing or new safety systems.



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