

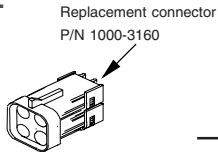
SPECIFICATIONS

MOUNTING

MOUNTING HEIGHT RANGE:
18 inches to 36 inches

MOUNTING ANGLE:
0 degrees (Face of sensor parallel to level ground)

CONNECTOR PIN ASSIGNMENTS:
Pin A - 10-16 VDC
Pin B - No Connection
Pin C - Signal Output
Pin D - Ground Return



18-36 inches

CABLE LENGTH ATTACHED TO THE RADAR SENSOR:
6 inches

ELECTRICAL

DC POWER REQUIREMENTS 10-16 DC

MICROWAVE FREQUENCY 24.125 GHz

OUTPUT CIRCUITRY CHARACTERISTICS The output drive circuitry is current limited and short circuit protected.

OUTPUT SIGNAL CHARACTERISTICS The output signal, via output drive circuitry provides a frequency type signal with frequency proportional to target speed.

OUTPUT FREQUENCY Output is measured in Hz per miles per hour.
The frequency with the unit mounted at 0° angle is:

57.42 Hz/MPH

ENVIRONMENTAL

VELOCITY: Typical

MINIMUM	MAXIMUM
.4mph	65.0 mph
.6 kph	104.0 kph

OPERATING TEMPERATURE RANGE:
-30° Celsius to +70° Celsius

PHYSICAL DATA:

Size: 5.5 inches (14 cm) wide X 4.75 inches (12 cm) tall X 5.25 inches (13 cm) Deep
Weight: 1.94 lbs. (880 grams)

Dual Beam Radar Sensor

Operator's Manual

DBRS 201

MOUNTING THE RADAR SENSOR

Steps for mounting your Radar Sensor are given below.

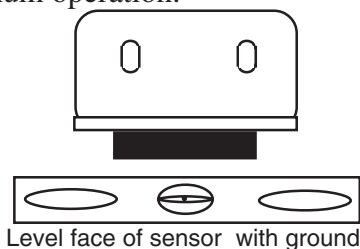
A. Be sure the tractor is on a level surface while installing the Radar Sensor.

B. In selecting the proper position to mount your Radar Sensor, the following considerations should be made:

1. For optimum performance, the Radar Sensor should be mounted on the tractor in a location which is **BETWEEN** crop rows.
2. The ideal location for the Radar Sensor would be near the center of the tractor; this protects the Sensor from mud and other flying debris.
3. If this ideal location is not possible, select an alternate mounting location for the Radar Sensor. The Sensor has been designed to function in a wide variety of locations on the tractor.

C. When installing the Radar Sensor, follow these rules:

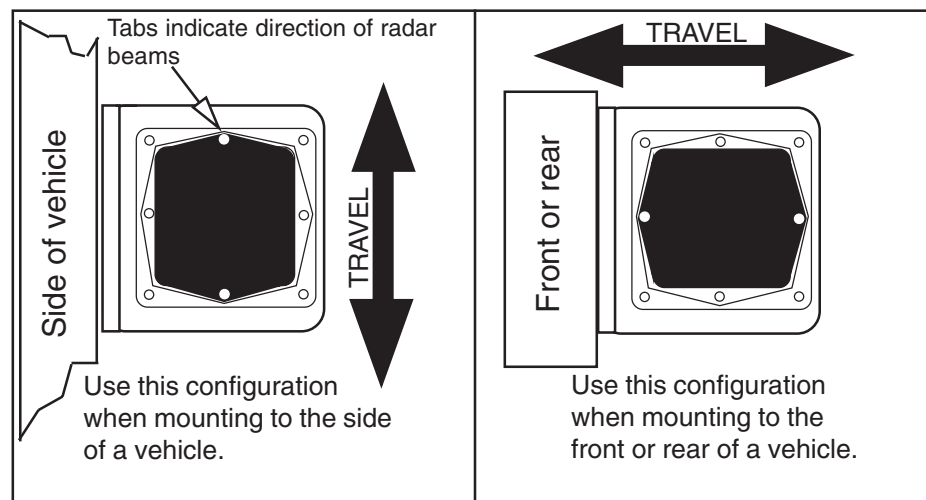
1. The Radar Sensor must have an unobstructed view of the ground.
2. The Radar Sensor must be at a height of approximately 18-36 inches from the center of the gun to the ground.
3. The Radar Sensor face must be mounted so the face of the gun is parallel to level ground.
4. Align the top of the Sensor Mount, level with the ground by using a bubble level. This will insure that the Radar Sensor is at the proper position for optimum operation.



CHANGING DIRECTION OF TRAVEL

The radar sensor bracket is designed so the radar sensor can be mounted in two different configurations.

The sensor can be installed so that the bracket may be mounted to the side of the vehicle or to the front (or rear) of the vehicle. Remove the cover plater screws and orient the sensor to match one of the pictures below. The arrows indicate the direction of travel.



(Top view of bracket with radar sensor installed)

Warranty

This System is under warranty against defects in material or workmanship for a period of 1 year from the date of retail sale.

Defective monitors must be returned to the place of purchase within the warranty period. Components will be replaced or repaired at factory discretion. This warranty applies only to those systems which have been installed in accordance with published instructions.

This warranty is in lieu of all warranties, expressed or implied, and the manufacturer expressly disclaims all other warranties, including without limitations any implied warranties of merchantability and fitness for a particular purpose.

The manufacturer liability under this warranty shall not exceed the cost of the product. Under no circumstance shall the manufacturer be responsible for equipment on which it's monitors are installed, field service calls relating to this equipment or for indirect, consequential or special damages.