

PRODUCT DESCRIPTION

The Microtek MicroRadar system consists of two modules-a sensor module and a display module. The sensor module contains the radar system and the display module contains the voice synthesizer, beeper and LED display or a simple beeper for low cost system. In vehicle back-up parking or collision warning application, the sensor module is installed behind the rear bumper of the motor vehicle, and the display module is installed inside the passenger compartment. Both modules are interconnected by a multi-wire cable. The MicroRadar system is wired into the motor vehicle back-up light circuit, and is automatically powered on when the motor vehicle is shifted into the reverse gear during backing up.

OPERATING DESCRIPTION

- 1) Position the vehicle at least 7 feet (~210cm) from the target.
- 2) Place transmission into reverse. The display module will voice “RADAR SYSTEM ACTIVATED” and the LED will illuminate green for 1 second to indicate the system is on and operating.

NOTE: If the LED does not illuminate and no synthesized voice is heard, stop the testing procedure immediately. Check the system to ensure the system is connected and turned on.

- 3) Slowly back the vehicle towards the target, making sure the vehicle speed is above 0.5 MPH (0.8km/h).
- 4) At approximately 5 feet (~150cm) from the target, the LED display is yellow, the voice command is SLOW, and the beeping is moderate.
- 5) Continue backing the vehicle, at approximately 3 feet (~90cm), the LED display changes from yellow to red, the voice command changes to STOP, and the beeping changes to medium pitch.
- 6) Continue backing the vehicle, at approximately 1 foot (~30cm), the LED display is red, the voice command is LOOK OUT, and the beeping is continuous to indicate an imminent collision. Apply the brakes immediately to avoid collision with the target.

LED Segments	Voice Warning	Beeper Tone	Approximate Distance
Green	CAREFUL	Low Pitch	~ 8 Feet (~ 240cm)
Green			~ 7 Feet (~ 210cm)
Yellow			~ 6 Feet (~ 180cm)
Yellow	SLOW	Medium Pitch	~ 5 Feet (~ 150cm)
Yellow			~ 4 Feet (~ 120cm)
Red	STOP		High Pitch
Red		~ 2 Feet (~ 60cm)	
Red	LOOK OUT		