

# WIRELESS OBJECT DETECTION BACKUP SENSOR SYSTEMS

## *For Commercial Vehicles*



KIT P/N: BSSK1000



KIT P/N: BSSK1001

- Heavy duty ultrasonic sensor system for reverse operations
- Visual and audible alert system
- Low cost of installation
- Wireless communication between transmitter and display unit
- Transmitter is fully sealed and can be located on the exterior of vehicle
- Driver display shows direction and distance of obstruction with digital and audible driver feedback
- Flush mount and under mount sensors allow easy installation in or under the vehicle bumper or bed
- Flush mounts are ideal for low bumper applications



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### Backup Safety Sensor Technology

Rosco's Wireless Backup Sensor systems, BSSK1000 and BSSK10001, are kits consisting of under mount or flush mount ultrasonic sensors, a driver display, and a wireless transmitter. The backup sensors are strategically placed on the vehicle's rear bumper. This sensor technology detects the distance between the vehicle and rear obstructions via ultrasonic technology. The distance is indicated by the driver digital display and audible signal.

### Wireless Backup Sensor Kits

Operating Range: 12 ~ 24Vdc  
 Operating Current: 20 ~ 150mA  
 Detection Distance: 0.5 ~ 8.0 ft.  
 Ultrasonic Frequency: 40KHz  
 Working Temperature: -22° ~ +158°F  
 Display Size: 3.7"W x 1.9"D x 0.8"H  
 Transmitter Size: 4.75"W x 1.125"D x 3.25"H  
 Transmitter Rating: IP 67  
 Sensing Resolution: 0.5 ft.  
 Sensor Lead Length: 8 ft.



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### How It Works...



BSSKS100: Under Mount Sensors



BSSKS101: Flush Mount Sensors

Hole bore drill bit included in flush mount sensor kits.

### Ultrasonic Sensors:

Sensors are placed 6" - 9" from the side edge of the bumper and equally spaced to ensure accurate sensor coverage. The sensors seen to the left are enlarged in a fixed position.

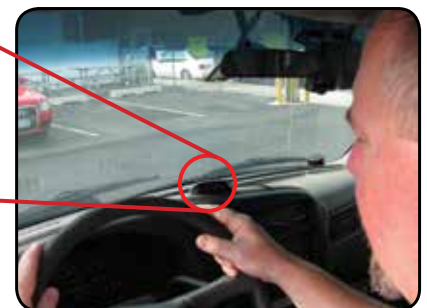
Sensors are hard wired to the wireless transmitter



### BSSKT300: Wireless Transmitter

(IP 67 rated for exterior mounting on outside of vehicle)  
 The Transmitter mounts inside or outside for easy access & wireless communication with display unit in cab. Wireless communication reduces installation time by 75% and labor costs by hundreds of dollars.

Wireless communication between transmitter & display



### BSSKD200: Driver Display

Display numbers shown in feet with 8' and shorter detection capability registering on display. At 5' and shorter, an alarm will sound.

\* Sensors are to be used as parking aides for fixed objects such as vehicles and buildings. They are not to be used for pedestrian detection.