

P/N: BSSK4000



# BACKUP SENSOR SYSTEM FOR BUSES, TRUCKS AND HEAVY DUTY VEHICLES

TOP & BOTTOM HEAVY DUTY ULTRASONIC BACKUP SENSOR SYSTEM WITH VISUAL AND AUDIBLE ALERTS



## FEATURES ...

- Heavy duty ultrasonic sensor system for safe reverse operations.
- Includes roof sensors w/ special brackets to detect low hanging obstacles such as canopies.
- Calibration for set-backs and unique step and body designs.
- The system is all hard wired for immediate real time performance with no latency.
- Kit is pre-loomed for an easy and low cost installation with "plug and play" connections.
- Sensors and control unit are fully sealed and weather resistant.
- Driver display shows distance to the obstruction with digital and audible driver feedback.
- Directional alerts indicate location of obstruction at the rear of the vehicle.



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## BACKUP SENSOR SYSTEM FOR BUSES, TRUCKS AND HEAVY DUTY VEHICLES

Rosco's BSSK4000 Backup Sensor System for buses, trucks and heavy duty vehicles consists of 4 bumper and 2 roof mount ultrasonic sensors, a driver display, and an ECU controller. The backup sensors are strategically placed on the vehicle's rear bumper and vehicle's roof for optimal coverage. Bumper sensors can be flush mounted or under mounted on the bumper.



Flush Mount

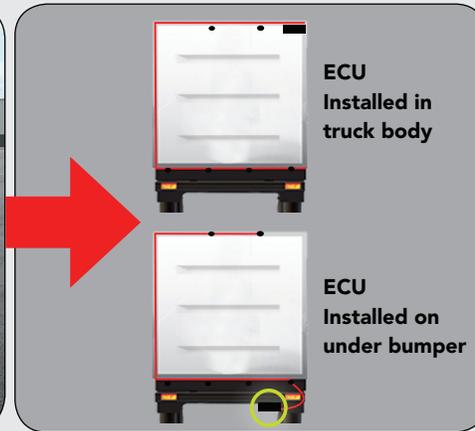


Under Mount

The ultrasonic sensor technology detects the distance between the vehicle and rear obstructions. The distance is indicated on the digital driver display and alerts the driver with escalating audible and visual alerts when the vehicle is too close to an object.

BSSK4000		SPECIFICATIONS
Rated Voltage	DC 12 V	
Input Voltage Range	DC 10.5 ~ 32V	
Current Consumption	<300ma	
Buzzer Frequency	2400 ± 100 Hz	
Sensor Detection Range (Targets)	Bottom/ Bumper	6.0 ft (75mm PVC pipe) 13.0 ft (1m by 1m flat board)
	Top/ Roof	4.0 ft (75mm PVC pipe)
Environmental Rating	Submersion-Proof Sensors: IP67	
	Weather-Proof ECU: IP65	
Operating Temperature	-22°F ~ +176°F (-30°C ~ +80°C)	
Storage Temperature	-40°F ~ +185°F (-40°C ~ +85°C)	
Sensor Operating Frequency	58 ± 1kHz (Ultrasonic)	

### How It Works...



### Kit Includes...

-  (2x) Roof sensors detect low hanging objects, canopies, etc.
-  (4x) Bumper sensors detect obstacles behind vehicle
-  (4x) bumper under mount brackets (only needed for under mount applications)

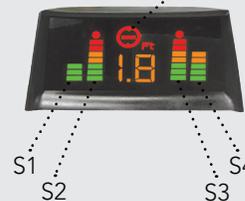
Electronic Control Unit



65 ft Harness



Roof Sensor Alert (green/red)



Display notifies driver with audible and visual alerts. Both audible and visual outputs escalate as the vehicle's distance to the object reduces.

*- Sensors are to be used as parking aides for fixed objects such as vehicles and buildings. Although they may work for pedestrian detection, they are intended for fixed objects -*



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