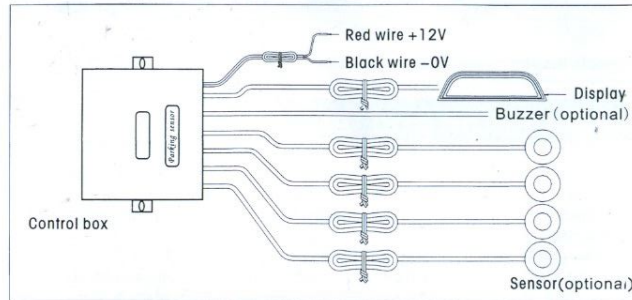


Parking sensor system

Main features

- BiBi Alarm sound;
- Digital Distance Display;
- Close-fitting installation;
- Insert-in ultrasonic sensors;
- Left-Right obstruction identification;
- Three colors alarm;
- Display's size: 78.5*28*21mm
- 2/3/4 sensors

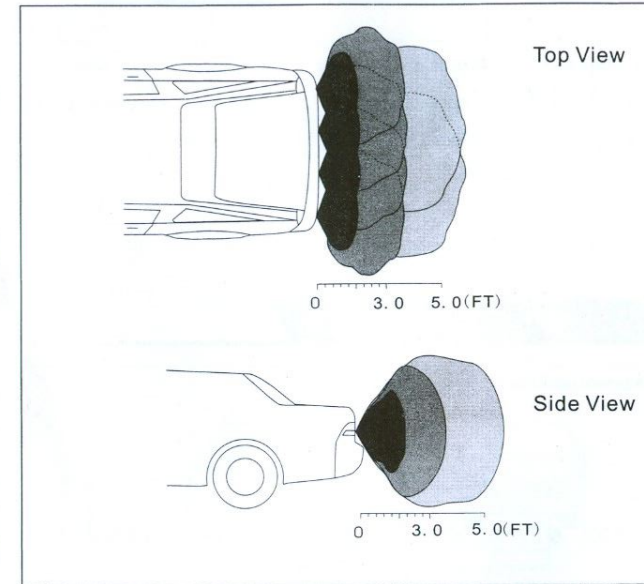
Connection diagram



Tech. Specifications

- Rated voltage: 12V
- Operating voltage range: 9~16V DC
- Rated current: 20mA~200mA
- Detection distance: 0.5~5.0(FT)
- Ultrasonic frequency: 40KHz
- Working temperature of control box: -30~+80°C

Detection Range

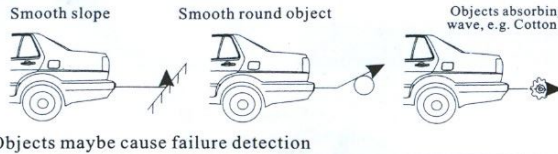
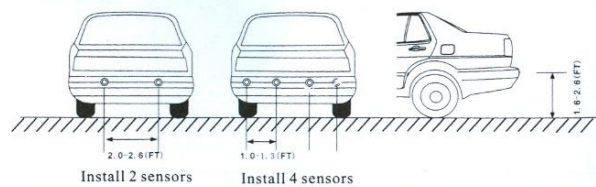


Alarm mode

Stages	Distance	Awareness	Dispal	Alarm sound	Color
1	>5.0FT	Safe	--	Silence	Extinguishing
2	5.0-3.5FT	Safe	5.0-3.0	Bi----Bi----Bi----	Green
3	3.0-2.0FT	Alarm	3.0-2.0	Bi--Bi--Bi--	Yellow
4	1.5-0.0FT	Danger	1.5-0.0	Biiii-----	Red

Sensors' Installation

Advised position to install the sensors



Installation and test

1. After the installation of sensors, adjust the axis and direction to the correct range, then arrange the wire in good order;
2. Connect the power wire of the control box with the reversing light correctly;
3. Connect the digital display with the control box;
4. Put the shift lever to reverse gear, radix point in the display should be lighted, it indicates the system is under detecting status. If not, please check it as following steps. a. If there is not a buzz at the time of power on, please check whether the power wire is connected correctly, whether the voltage is 9V or higher than 9V, whether the display is well connected; b. If the display makes sound like "bi---" continuously, please switch the power off then put the shift lever to reverse gear again, if the problems could not be removed yet, the control unit could be judged to be failed. The whole system should be replaced.
5. Connect one sensor with corresponding plug in control box, it can operate normally if person stands in 1.0m. Check other sensors according to this way. After check, all of sensors would be connected with corresponding plugs.

Test: a. When test some sensor, if the buzzer gives "bi---" sound, please check whether some parts of the car or some unwanted objects fall into the detecting range, whether the hole is too small to let the sensor too tight in it, whether the sensors is near to some strong interference sources (such as exhaust pipe, other wires); b. If the alarm sound is hint sound in field (eg...Bi...bi...) and display shows distance but there are nothing in front of the sensor, maybe the sensor is detecting the ground, please check the position and direction of the sensor; or the sensor maybe detect some parts of the car; c. If above problem still could not be removed, the whole system should be replaced.

Note

1. When install the system, the car should be in powered off situation.
2. The performance may be affected in the following situation: heavy rain; the gravel road, bumpy road, sloping road and bush; very hot, cold or moist weather, the sensors is covered by snow, ice, mud, etc.
3. Other ultrasonic or electric wave, the instance of DC/AC switch or 24/12V switch maybe affect the performance of the system.
4. The sensors should not be installed too tightly or too loose.
5. Do not locate the control unit near to other interference source such as exhaust pipe or other wires.
6. Test the system to make sure it work well before using.
7. This system acts only as a kind of reminding aid, in case of any accident, the manufacturer or distributor are not responsible.