

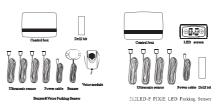
Packing list (See Picture 1)

1. Control box 1PC 2. Buzzer/Voice module LED/LCD Display screen 1PC

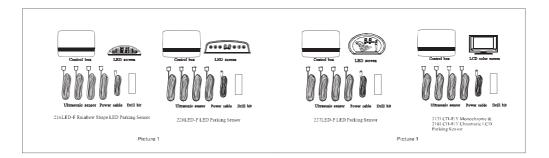
3. Ultrasonic sensor

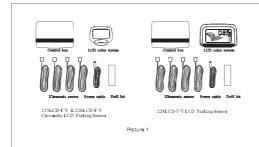
1PC 5. Drill bit 1PC

6. Instruction manual 1PC



Picture 1





Catalogue Installation Guide

Installation concentration of the control of t

User's Guide

Introduction

Parking sensor system is supplementary safety equipment that is specially designed for ear reversing. There is hidden trouble white reversing because of blind one behind the ear. After installing parking sensor, when reversing.

**Buzzer-Voice Module detects obstacle behind the ear and sends out four beeping to not or voice warning as a reminder.

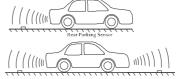
**ILED system displays the distance on the secreen and sends out four beeping tone as a reminder.

**ILED system displays the distance or obstacle so not be serven with voice a lert, or earn be matched with Su that it is more relax and safe while reversing.

Product character

- No-ground detecting technology: the ultrasonic heam is flat shape(see Picture 2)
 The obstacle lower than I cm can not be detected so that system works very stably.
 Intellectualized auth-interference analysis system, lower error report
 Sensor sensitivity can be chosen by the user.
 Supervirgit is doorful display screen.

- For LED series, can be matched with optional voice module, easy installation, reports distance with graceful sounds.
 All plugs are scaled in the control box, dustgroof, moistureproof and never loose.



Front & Rear Parking Sensor

- 2 -

Using method

**Prontsemors start to work upon braking activation. If there is not any obstacle within 0.6 meter or 0.9 meter in the front of car 1 the distance can be seek; system displays nothing. Otherwise, system displays the distance of obstacle and perspire the distance rapidly with graceful Otherwise, system displays the distance of obstacle and perspire the distance rapidly with graceful Otherwise, system displays the distance of obstacle and adequate the braking for 5 seconds. If the red view connect to Parke, front seconds soons or release the braking for 5 seconds. If the red view connect to Parke, front seconds soons or release the braking for 5 seconds. If the red view connect to Parke, front seconds soons or release the braking for 5 seconds. If the red view connect to Parke, front seconds soons or release the braking for 5 seconds. If the red view connect to Parke, front seconds of 50 seconds or 50 seconds of 50 seconds or 50

Rear Sensor

Revisions in pairing to their reverse gear is origined. Sprices nationalizedly a which to reversing that are inflation if there is no obtain 6 within 2 meters behind the ear, it displays " — ". When the obtained most closer.

"Vice by stem reports the distance with graceful sounds the volume can be chosen for high, middle, low by "Suizer's system and one of the reverse of the contraction of the reverse of the stance of the reverse of the

Please see table 1:

Distance (meter)	Distance (feet)	Buzz
>1.5	>4.9	No buzz
1.5-1.0	4.9-3.3	Slowbuzz
1.0 0.7	3.3 2.3	Middle speed buzz
0.7-0.3	2.3-1.0	Quick buzz
< 0.3	<1.0	Urgent buzz

Due to the inertia of the ear, it will show the distance $10 \mathrm{cm}^{\frac{1}{2}}$ Linch) less than the real distance.

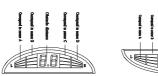


212LED-F Display Information, for this design, can be produced as both dash mount and upmount (inversion item).

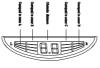
Picture 3

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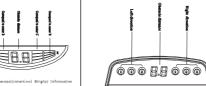




216LED-F Dash Mount Display Information

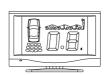


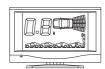
2161.9D-F Up mount(inversion) Display Info



226LED-F LED Parking Sensor







Press the switch for 1 second, the LCD screen display correspond to mute/undertone/loudness.



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. 8 .



2281.CD:
Different background(green, orange or red) based on different obstacle distance.

Volume could be adjusted by slide switch in the back, could choose mute/undertone/loudness.





219LCD-F/Y LCD Parking Sensor

Picture 3

- Esting notice

 Parking nemoe is designed only for reverse assistance. The driving safety depends on the driver's producter, the company will not be responsible for the traffic accidents.

 As the system does not connect our arrive system, please brake immediately once hearing rapidly "di-di-di" reminder.

 Do not grow, the semost once, Please clean the ice, snow, siltur others dust away of the surface.

 All parking seasors may fault of execut the following objects based on the ultrasonic detecting principle: 1) Vertical objects tower than the sensor such as plitted and low wall

 2) Stary connect, such as corner of wall, disposal quadrate pillar

 3) Managed objects, such as trush, to increastal sign pelase and projecting steel bar

 4) All parking seasors may for the content of t

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Installation Guide

Installation notice

- 1) Please creates the power is OFE prior to connecting any whos
 2) All pinits should be enlaced more than 5 circles with good insulation.
 3) Do not press the sensor ore during insulation.
 4) Front sensor installation with the order of E.F.G.II
 Reast sensor installation with the order of E.F.G.II
 Reast sensor insulations with the order of E.F.G.II
 Sensor rabbe is connected to the control box with the order of E.F.G.II.A.B.C.D
 Sensor rabbe is connected to the control box with the order of E.F.G.II.A.B.C.D

 7) Flease do not close up the origin or factor the cooling fast during front sensor insulation.
 5) Flease the order is up the origin or factor to the cooling fast during front sensor insulation.
 5) The sensor and countrol box have been matched strictly in production. Different types of sensor can not be exchanged.
 8) Other notice please see Picture 4









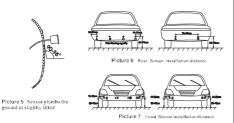


Picture 4

Ultrasonic sensor installation

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• 11 •



Drill the hole by which prepared in the package, please see Picture 8. After drilling please clean the edge of hole.



Put the sensors into the holes according to Picture 5, sensor cables go through into the trunk of car.

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Power cable connection

4sensors: Please see Picture 9



Picture 9 Power cable connection(4 sensors)

6 or 8 sensors: Please see Picture 10@11
Red wire connect to the anode of brake.



Picture 10 Power cable connection for automatic transmission(6 or 8 sensors)

•15•

Yallon wire occurred to the ended of reversing light.
Green wire connect to the smode of lands.

Black wire connect to the smode of lands.

Picture 11 Power cable connection for manual transmission(6 or 8 sensors)

-16-

Control box connection

- Before connection, pla remove the screws of the control box firstly.

 4 seasons Please see Picture 12.

 Interest the source colls into the four sockets A, B, C, D from left to right.

 Interest the power colls into the four sockets A, B, C, D from left to right.

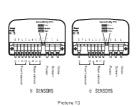
 Interest the power colls into G socket.

 Interest the origins severe colls into G socket.

 Interest the origin severe colls into G socket.

 A range the collect is a posed order and then serves the list rightly.





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- 6 or 8 sensors: Please see Picture 13

 Insert the front sensor cables into the four sockets 6, F, G, and H from left to right.

 Insert the rear sensor cables into the four sockets A, B, C, and D from left to right.

 Insert the power cable into I socket

 Insert the dayley screen cable into R socket

 Arrange the cables in a good order and then screw the lid tightly.

Sensor sensitivity adjustment

The system is already set to a middle sensitivity when ex work. If the error report appears frequently in using please more the sensitivity pin to high or low.

Setting detection distance of front sensor.

Please choose the detection range as per Picture 14 indication: 0.6M means the farthest range is 0.6M. 0.9M means the farthest range is 0.9M. Off means the front sensor is closed.

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Fix control box

Tear off the shield of the velero strap on the back of control box and stick on the sidewall of the trunk. If the sidewall of trunk is envered by felt, pls take off the half of the velero and stick on the felt directly. Clean the dust before sticking.

Fix Display Screen

Tear off the shield of the veloro strap under the screen and stick on the left corner of the dashboard. Clean the dust before sticking.



Picture 14 Setting detection distance of front sensor

Technical Parameter

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Problem and solution

Table 2 Problem and solution

1	No display when reverse getar	1Chedrifpower or, reversing lighton		
	is engaged	2Chedrifpower caldeis connected to the correct societ		
		SCheck if digitaly screen cable is connected to the correct		
		sodiel		
2	Front sensors donotwork	1.Chedxiffsrate light is in a good condition		
		2. Check ifthered wirels connected to ACC or braile light		
		3 Check if thereis no costade crostly a life-costade in fron		
		offie of		
		4.Check if the switch belief the control box is OFF		
3	Display butten buzz	1. The system assembled with value module, the buzzwillbe		
		triside.		
		2. Credi if the screen dable conntof to the correct social		
4	Wrongdisplay	1 Check if other pressure, car wishing nearby or and		
		parking sensor is Working		
		2.Check ifarething ishigher tran sensor		
		5 Check if Sensor installed too low		
		4.ChedrifSensor installed Buingto the ground by misticle		
		5Check fall plugs and joints connected firmly		
		6Try to reduce the sensitivity		

ō.	Keep beeting What costade	Same as above	
6	Low sensivity	1.Check ifhervys ifton he surface of sensor 2.Check if all page and joint, connected firstly 3.Check if settled shorms.	
7	Two different digital display	1 TWoodsholes 2 Obsholes moving	
8	Regarioten	1 offen Poor og fact ofsomer cable or ground	
8	Sometimes good and sometimes bad	Check Ball plugs and joints connected Smily	
10	Display when raining	Defect raindrep fifain isheavy	
11	Displayor he snowground	Detect show if the snowks much higher than the ground	

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• 22 •