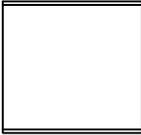
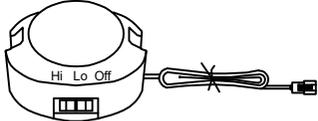
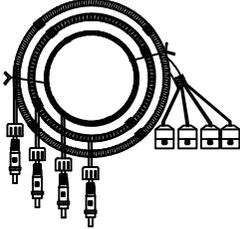
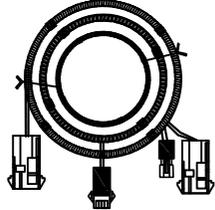
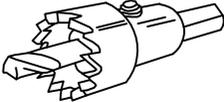


User's Guide

Parking sensor (CVPS182AMZ)

Parts List

	
Control box * 1	Buzzer * 1
	
Sensor * 4	Sensor cable * 1
	
Power/Buzzer Cable1 * 1	Power/Buzzer Cable2 * 1
	
φ 21.7 hole saw* 1	

Specification

1. Operated Voltage: DC 10~15V
2. Operated Temp.: -30~+70°C
3. Consumption.: ≤ 4W
4. Sensor detection distance:
Left and right: 2 FT
Center left and right: 5 FT

Function

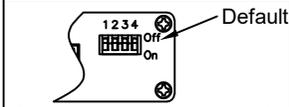
1. Working condition:
(1) Turn the igniton key to "ON" and engage the reverse gear, then the system start to work.
2. Warning mode:

Obstacle distance	Warning
5FT~4.0FT	BI-----BI-----BI
3.6FT~3.0FT	BI--BI--BI
2.6FT~2.0FT	BIBIBIBI
1.7FT~1.3FT	BIBIBIBI
<1.3FT	Constant beep

↓
closer and faster

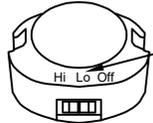
3. Setup fuction

(1) Control box



1	N/A
2	N/A
3	Rear Step Yes & No
4	Sensitivity Low & High

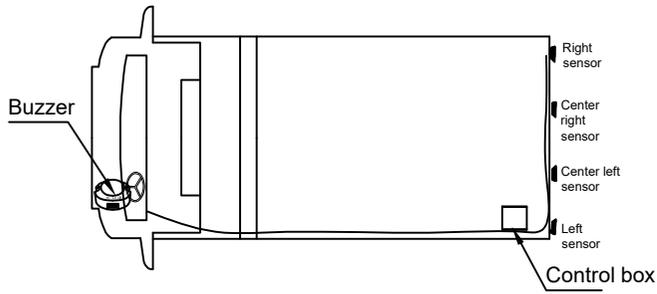
(2) Buzzer



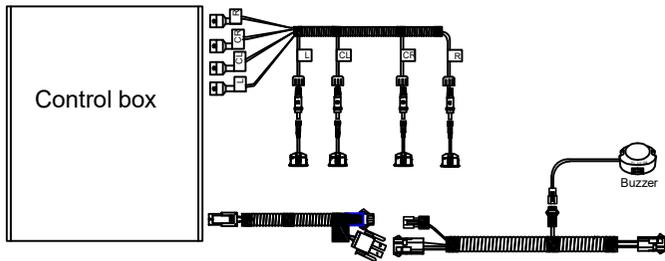
Hi	High volume
Lo	Low volume
Off	Turned off

Installation

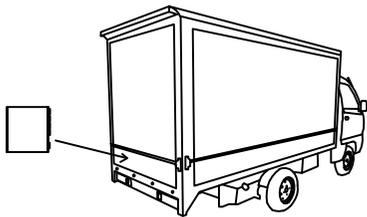
1. Installation position



2. Wiring diagram

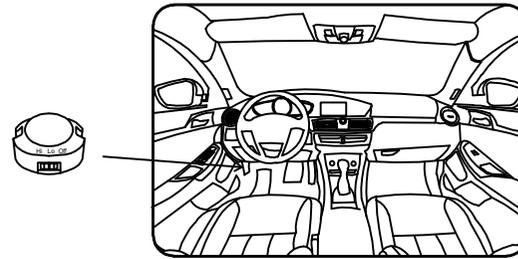


3. Control box



- (1) The control box is suggested to lay at the left side of the trunk;
- (2) Please clean the surface before stick the control box.

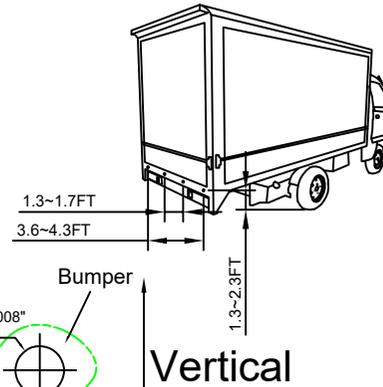
4. Buzzer



- (1) The buzzer is suggested to install under the left side of the steering wheel;
- (2) Please clean the surface before stick the buzzer.

5. Sensor

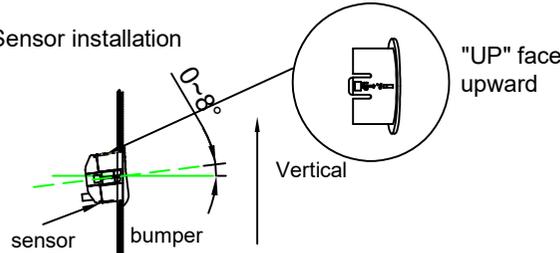
(1) Installation position



(2) Sensor hole

- a. Please make sure the hole saw is the same size as what we need;
- b. Please remove the burrs around the hole after drilling, ensure the size of the hole and make sure there's no sponge. Make sure no metal or plastic parts contacting with sensor, otherwise the system might work abnormally (eg: false alarm).

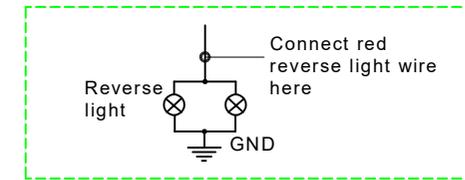
(3) Sensor installation



- a. By using different sensor masker to fit the bumper, make sure the angle between 0~8°;
- b. Connect the sensors according to the labels;
- c. Please make sure that the wiring harness is fixed and far away from vent-pipe.

6. Connection guide

- a. This product is used to 12V vehicle;
- b. Connection of reverse light wire (red);



c. Connect GND

Connect the ground ring (black wire) to a metal part on vehicle body.

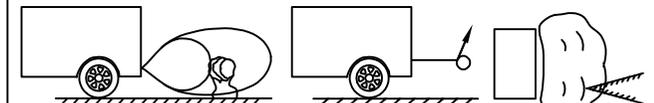
Function test & Trouble shooting

1. If there's no response after the power is on, please check the connection of the control box, sensor, buzzer and all the connectors;
2. The buzzer gives out warning, even if there's no obstacles, please check the sensor installation direction, and make sure the sensor surface not face ground.
3. If the direction of the warning is not correct, please kindly check the connection of the sensor.

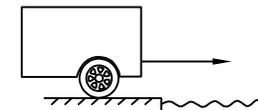
Notices

1. Because of automobile inertia and other facts in practical situation, please reverse automobile <math>< 5\text{km/hr}</math>; when the display show distance $\leq 0.5\text{m}$, please stop the automobile;
2. Please clean the ice and mud if there's any on the surface of the sensor.
3. When running on large angle slope, grass land or gravel road, it is easy to give out fault warning;
4. Attention please that it is not easy to detect obstacle in situations as follow:

4.1 soft object like cotton and sponge 4.2 smooth sphericity 4.3 sharp object



5. Please drive carefully in situation as follow:



6. Parking assistance system is only used as an auxiliary equipment, driver needs to take responsibility of driving safety by himself.