Multifunctional Parking Sensor System
Installation Manual

Wiring Diagram:

1. Display with buzzer share a socket, buzzer to the right
2. The power of the Rear System connected to the reversing light, and the Front connected to ACC.

CONFIG 1:
- ON: Sensors Installed in the Front
- OFF: Sensors Installed in the Rear

CONFIG 2:
- ON: Front Sensor is work at SPEED <12KM/h
- OFF: Front Sensors is work at the Brake

CONFIG 3:
- ON: Rear Sensors Detection range 1,4=2,3
- OFF: Rear Sensors Detection range 1,4<80cm (limit)

CONFIG 4:
- ON: Rear Sensors Ignore 25cm range
- OFF: Rear Sensors normal

Multifunctional Control Box:
Sensitivity knob:
By the knob, you can adjust the sensitivity of the sensor. When sensors detects ground often, you can properly reduce the sensitivity.

Config switch:
This Switch can be used to configure the operation mode of the control box, to adapt to the application of different customers. These mode includes:
1. rear / front,
2. brake / speed,
3. limit / unlimit,
4. normal / spare tire

Multifunctional Displayer:
KEY Operation:
- Press the KEY more than 1.2 second
- Press the KEY short time

Mirror
Reversed
Normal

UNIT
UNIT=cm
UNIT=Meter
UNIT=Feet
**Power on:**
When power on, if you hear Bi, it means that the system works well, but if heard Bi Bi, or see the red light flashing, it means sensors error. In this case, you should check whether the sensor plugged.

**SENSING AREA:**

<table>
<thead>
<tr>
<th>Distance (M)</th>
<th>Buzzer cycle</th>
<th>Light bar</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.8</td>
<td>0.225sec.</td>
<td></td>
</tr>
<tr>
<td>0.6</td>
<td>0.225sec.</td>
<td></td>
</tr>
<tr>
<td>0.5</td>
<td>0.1sec.</td>
<td></td>
</tr>
<tr>
<td>0.4</td>
<td>0.1sec.</td>
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<tr>
<td>0.3</td>
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<tr>
<td>0.2</td>
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<td>0</td>
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</tbody>
</table>

**Technical Features:**
- Power voltage: 12V/24V DC
- Operating current: 60mA 150mA
- Frequency of sensor: 40KHz
- Operating temperature: -30° ~ 80°
- Detection range: 2.4M (to big plan or wall)
- Optimum detection range: 1M (adult)
- Response time: 0.12 sec.
- Buzzer volume: >85dB(internal), >95dB(external).

**Cable:**
- Sensor cable: 2.5M
- Power cable: 1.5M
- Display cable: 5M
- Buzzer cable: 2M

Wire length according to the needs of different customers, there will be different

**Part list:**
- Control Box: 1
- Sensors: 4
- Sensor Cable(2.5m): 4
- Display/Buzzer: 1
- Display/Buzzer Cable: 1
- Power Cable: 1
- Hole driller: 1
- Tape or Velcro (accessory bag): 1
- Installation Manual: 1

**Installation:**
The side of the two sensors 1 and 4 for installation need to turn a certain angle, otherwise you will not detect an obstacle on the outside.

**NOTE:** Please note that the sensor of "up" sign. If the sensor detects the ground often, you can adjust the sensitivity knob, reduce sensitivity.

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**Other instruction**
This product is a universal general parking sensor systems, suitable for most of the use of the environment and vehicle. If you encounter any problems or want to get special technical support, please contact with our engineers.