BUZZER TYPE PARKING SENSOR

FUNCTION DESCRIPTION
1. Back 4 sensors (B/c, B/d, B/e, B/f) begin work while the car is reversing.
2. The sensor will be in flashing state on night if the system be matched the illuminant sensor.
3. Power line guide:
   - ACC+12V: Car power.
   - BACKUP LIGHT: Power on while the car is reversing.
   - NIGHT LIGHT: Power on while driving on night.

WARNING RULE

SPECIFICATIONS
- Power (DC): +9~+15V
- Operation temperature: -30°C~+70°C
- Alarm volume: 83dB
- Power dissipation (Max): 3W
**FUNCTION DESCRIPTION**

1. Front 4 Sensors(F/a, F/b, F/g, F/h) begin work while the car is on brake time. The sensor will still work for 10 seconds after the brake is released.
2. Back 4 sensors(Br, B/d, B/e, B/f) begin work while the car is reversing.
3. The sensor will be on flashing state on night if the system be matched the illuminant sensor.
4. Power line guide:
   - ACC+12V: Car power
   - BACKUP LIGHT: Power on while the car is reversing.
   - BRAKE LIGHT: Power on while braking.
   - NIGHT LIGHT: Power on while driving on night.

**WARNING RULE**

<table>
<thead>
<tr>
<th>CONDITION</th>
<th>FRONT VOICE</th>
<th>SHUT VOICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>PGM</td>
<td>Bi, Bi, Bi</td>
<td>Bi, Bi, Bi</td>
</tr>
<tr>
<td>NO PGM</td>
<td>Bi, Bi, Bi</td>
<td>Bi, Bi, Bi</td>
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</table>

**SPEAKER WARNING RULE**

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<th>CONDITION</th>
<th>FRONT VOICE</th>
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</thead>
<tbody>
<tr>
<td>PGM</td>
<td>Bi, Bi, Bi</td>
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<tr>
<td>NO PGM</td>
<td>Bi, Bi, Bi</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

- Power(DC): 9V~15V
- Operation temperature: -30°C~+70°C
- Alarm volume: 83dB
- Power dissipation (Max): 3W

**Note**
This system could also be equipped for 4 back sensors only.
**FUNCTION DESCRIPTION**

1. Front 2 Sensors (F/a, F/b) begin work while the car on brake time. The sensor will still work for 10 seconds after relax the brake.
2. Back 4 sensors (B/c, B/d, B/e, B/f) begin work while the car on reversing time.
3. The sensor will be on flashing state on night if the system be matched the illuminant sensor.
4. Power line guide:
   - ACC+12V: Car power.
   - BACKUP LIGHT: Power on while the car on reversing time.
   - BRAKE LIGHT: Power on while braking.
   - NIGHT LIGHT: Power on while driving on night.

**WARNING RULE**

<table>
<thead>
<tr>
<th>DISTANCE</th>
<th>1.2</th>
<th>2.0</th>
<th>1.8</th>
<th>1.7</th>
<th>1.6</th>
<th>1.5</th>
<th>1.4</th>
<th>1.3</th>
<th>1.2</th>
<th>1.1</th>
<th>1.0</th>
<th>0.9</th>
<th>0.8</th>
<th>0.7</th>
<th>0.6</th>
<th>0.5</th>
<th>0.4</th>
<th>0.3</th>
<th>0.2</th>
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<tr>
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</tbody>
</table>

**SPECIFICATIONS**

- Power (DC): ±9 ±15V
- Operation temperature: -30°C to 70°C
- Alarm volume: 93dB
- Power dissipation (Max): 5W

**Note**

This system could be equiped to 4 back sensors or 4 back sensors and 2 front sensors, it can be connedted to any TFT monitor.
3.5 INCH TFT REARVIEW MIRROR SYSTEM

FUNCTION DESCRIPTION
1. Install camera at central of back bumper (usually under number plate).
2. Optional wireless version: no need cable from camera to rearview mirror.
3. This system can be with parking sensor.
   3.1 Front 4 sensors (Tl, F1, F2, F3): Work while the car is on brake line. The sensor will still work for 10 seconds after release the brake.
   3.2 Back 4 sensors (B1, B2, B3, B4): Work while the car is reversing time.
   3.3 This sensor will be on parking plate on right if the system be matched the illuminant sensor.
4. Specifications:
   Power(12V): 8-15V
   Operation temperature: -30° C ~ 70° C
   Alarm volume: 83dB
   Power dissipation (Max): 6W

INSTALLATION GUIDE
Easy installation, step as following:
1. Hook bottom-stator of the mirror on original rearview mirror bottom edge. Ensure perpendicular bisector of the mirror is congruent with perpendicular bisector of original rearview mirror. Pull up stator of the mirror until it is fix on original rearview mirror (up and bottom stator will adjust by spring). Then release hand.
2. Check if the mirror has been firmly clipped to the original review mirror, the congruence of the mirror compare to original rearview mirror, and adjust accordingly.
3. If there is any loose, repeat above steps.
4. Plug the power adapter into the cigarette socket.
1. **POWER**: Press the key for 1.5s to power on or power off the unit.
2. **PLAY**: Shortly press the key to select the audio output on or off. You can connect a audio source such as MP3/MP4 or CD player into the audio input connector (A/V IN).
   - Press the key for 2s to select the video on or off, you can connect a video source such as DVD into the video input connector (video IN).
3. **MODE**: Press the key to shift different mode: FM transmitter -> Speaker -> Picture adjustment. (Only available when there is a video source), at this state, press and hold "MODE" key to select "BRIGHTNESS" or "CONTRAST" or "COLOR" item, press "CH+" or "CH-" key to change the value.
4. **CH+/CH-**: At FM transmitter mode, press the key to change transmitting frequency. Total 7 frequency points available: FM 87.7, 87.9, 88.1, 88.3, 88.5, 88.7, 88.9 MHz
WIRELESS PARKING SENSOR WITH CAMERA WIRING

3.5 INCH TFT

ACC +12V

GND

Install on front bumper

Install on back bumper

Sensor F/A
Sensor Fib
Sensor B/A
Sensor B/f
Sensor Bif

WIRELESS CAMERA WIRING

CAMERA +12V

CAMERA

BACKUP LIGHT

GND

ANTENNA BOX

3.5 INCH TFT

ACC +12V

GND

CAMERA INTEL(OPS)

Backup light

Brake light

Light (Only for illuminant sensor)
EXACTLY POSITION FOR EACH PART

1. Parking sensor
2. Buzzer
3. Handsfree rearview mirror
4. Display

Sensor F/b
Sensor F/a
Sensor B/f
Sensor B/e
Sensor B/d
Sensor B/c
INSTALLATION GUIDE FOR EMBEDDED TYPE SENSOR

NOTE:
PLEASE FOLLOW THE ARROW TO INSTALL DOUBLE-ANGLE SENSORS.

NOTE:
Choice the position about 0.5~0.7m high from the ground

NOTE:
Drill orient holes firstly

NOTE:
Use special tools we prepared to drill. The best rotational speed: 800~1000 PER minutes.

NOTE:
Please follow correct direction to install.
SENSOR POSITION

INSTALLATION GUIDE FOR DISPLAY

NOTE:
1. Unit: cm
2. Sensor position can be adjusted a little according to the car body.

NOTE: The connect line should be invisible.

NOTE: Install the display firmly.

NOTE: Heating the face label, then rear.

NOTE: Clean installation position firstly.
WIRELESS PARKING SENSOR

Wireless version is optional: No need to run a wire from the front display to the rear main box.

**Notice:**
1. Keep the mainbox far away from the metal.
2. Power supply:
   - ACC + 12 V of display connect with the car keys or cigarette lighter power.
   - GND connect with Ground Line.
## NOTICE FOR USER

**Following situation will weaken the detector effect**

- **Smooth slope**
- **Spherical barrier**
- **Cotton kind barrier**

### Simple service

<table>
<thead>
<tr>
<th>Trouble</th>
<th>Trouble From</th>
<th>Resolvent</th>
</tr>
</thead>
</table>
| Parking sensor doesn't work | 1. Power line connected wrong  
2. Jack connected wrong | 1. Connect the red line to +12V  
2. Check each jack put the right socket. |
| Power lamp on right state, still doesn't work | 1. Sensor jack connected wrong  
2. Sensor can't work | Re-connect sensor jack |
| Stay display the same No. | Sensor detect car body or ground       | Adjust the sensor position & angle.                                       |
| Display the wrong No.    | 1. Jack connect wrong  
2. Sensor line be damaged. | 1. Power off and refresh all jack  
2. Check the sensor line, be sure it doesn’t be closed with vent-pipe or silencer |