

LORRY PARK ASSISTANT



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D'Asti (AT) - Italia - P.Iva: IT 01060670054

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Installation and use Manual
PRODUCT CODE: **CF0049BALO11**



LORRY PARK ASSISTANT

A reliable, simple to install and UNIVERSAL solution
for the assisted parking of Transport Vehicles.

WARRANTY

THIS PRODUCT HAS 2 YEAR WARRANTY FOR ANY MANUFACTURING DEFECT
DETECTED. HOW TO VALIDATION OF WARRANTY is REQUIRED BILL OF PURCHASE.

For any assistance, please contact the technical support number: +39 0141-947676

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DESCRIPTION

LORRY PARKING ASSISTANT is the new assisted parking system for **Transport vehicles**, developed by Paser.

The device has a simple and effective technology that allows to detect any obstacle placed in the rear of the trailer or the back of the vehicle and to communicate, through different audio and visual alerts, distance and progressive approach, so as to indicate to the driver the possible danger of a collision.

The data communication is completely wireless so there are no long and costly installation of cables.

The only connections required are:

1. Connection of the sensors the reversing lights power, placed on the trailer or the back of the medium;
2. Connection of the display unit to the reversing lights, in the driver cabin.

The device is sold by Paser srl with:

- **1 display unit**
- **1 bracket for mounting the central unit**
- **1 wiring for power connection**
- **1 Parking Sensors bar, with 4 Parking Sensor capsules pre-mounted**
- **Screws included, batteries not included**

* **Product compatibility is extended to all types of vehicles.**

TROUBLE SHOOTING

- **The device does not turn on.**
 - Please check the power supply and the connections to the reversing lights.
- **The device does not detect a distance.**
 - Please check the connection of the Parking Sensors and adjust the detector beam.
- **The device does false detections.**
 - Please check that the bar is mounted in the correct direction, ie in which the parking sensors look up.

TECHNICAL SPECIFICATION

>> UNIVERSAL DEVICE

Distance detected: from 0.30 m to 1.7 m

No connection between the sensor and the display unit!

Automatic function activated by reversing manoeuvre

Voltage: 12V - 24V

Parking Sensors unit current: 35 mA - 5 mA

Display unit current: < 270 mA

Buzzer: 70 - 90 dB

Operating temperature: - 40 ° + 80 °

CONTENTS DIAGRAM

DISPLAY
UNIT



PRE - MOUNTED COMPONENTS

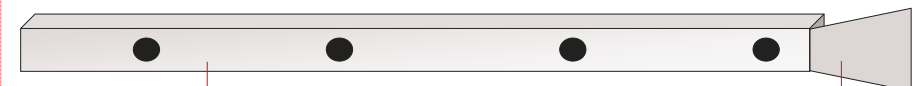
PARKING
SENSORS UNIT



PARKING SENSORS

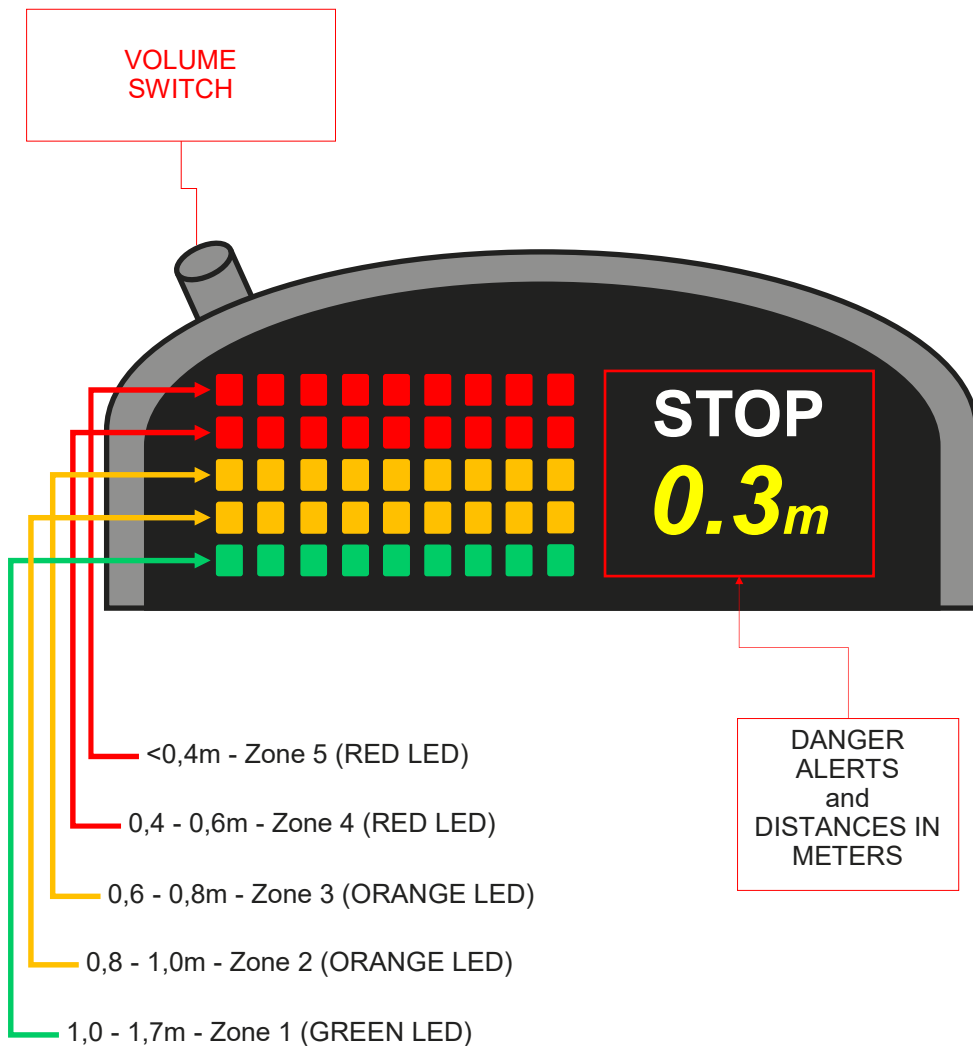


PARKING SENSORS
INSTALLATION BAR



CONTROL UNIT
FIXING PLATE

DISPLAY UNIT



HOW TO USE

More the visual indications (via colours and messages onto the display unit) the system will emit different sound alerts. Depending on the distance of the approach to the obstacle detected, in fact, the system will emit some "beeps" of different length and intensity, as shown below:



SOUND ALERTS
Beeeeeeeeee
Beeeeeep, Beeeeeep
Beep... Beep...
Bep.. Bep.. Bep...
/



VISUAL INDICATION
< 0,3 m
1,0 - 0,3m
1,5 - 1,0 m
1,7- 1,5m
/

LORRY PARK ASSISTANT

ASSISTED PARKING SYSTEM FOR TRANSPORT VEHICLES

HOW TO USE

Done all the connections, the LORRY PARK ASSISTANT system will be ready to work.

The operation of the system is really simple and intuitive.

During the manoeuvre of reversing, at the approach of an obstacle of any kind (walls, traffic, road bollards etc.) sensors detect the obstacle in a smart way and they will advise the parking sensor unit about the detected data.

The unit will process the data and send them to the display unit that is located in the driver cabin of the vehicle.

On the display it will appear all the reversing data, providing an accurate and realistic description of the situation during the manoeuvre.

It will be shown in particular:

- The distance in meters from the obstacle
- The position in which the obstacle is located about the sensors
- The precise indication of what sensor is detecting the obstacle
- Steady progress and real-time operation of the reversing manoeuvre
- Any warning messages

The detection of the distance starts from a maximum of 1.7 meters to a minimum of 30 centimetres.

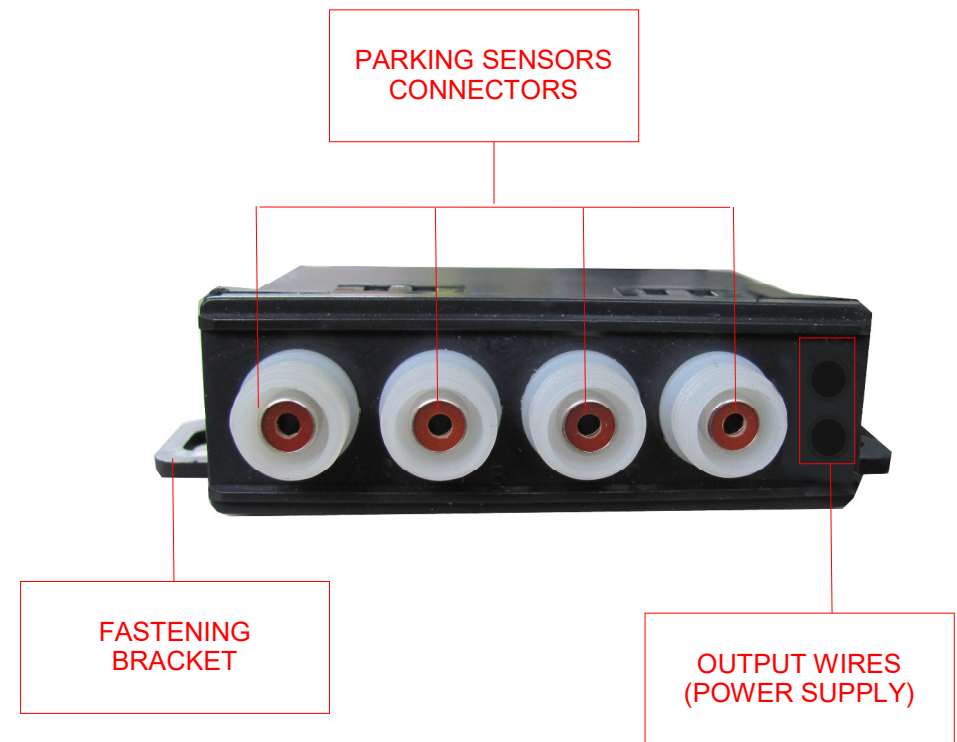
WARNING!

The LORRY PARK ASSISTANT system is only active during the reversing manoeuvre, so it does not detect any parking data while normal driving!

PARKING SENSORS UNIT

The Parking Sensors Unit is the intelligence that receives data from the 4 rear sensors, processes them and sends them to the display unit in the driver cabin. The LORRY PARK ASSISTANT system involves the installation of the parking sensors unit near the pre - mounted bar with 4 sensors.

To install it, you only have to fasten the containment box of the parking sensors unit to the back of the vehicle, thanks to the special bracket supplied and then make all the necessary connections.



INSTALLATION OF THE DISPLAY UNIT

The display unit installation is simple and quick.

First of all, it is advisable to ensure the display unit via the relevant adhesive plate to the dashboard or to the driver control panel inside the driver cabin or in any case where it is more appropriate to facilitate the electrical connection, depending on the conformation of the vehicle on which it is installed.



Please place the display unit in such a way that the view of the display is optimal and allows to distinctly hear sound alerts relating to parking manoeuvres. Then proceed to the unit display connections, as in the following:

- Connect the display unit positive (RED) to the reversing lights positive
- Connect the display unit negative (BLACK) to the reversing lights negative

The connections are the following:

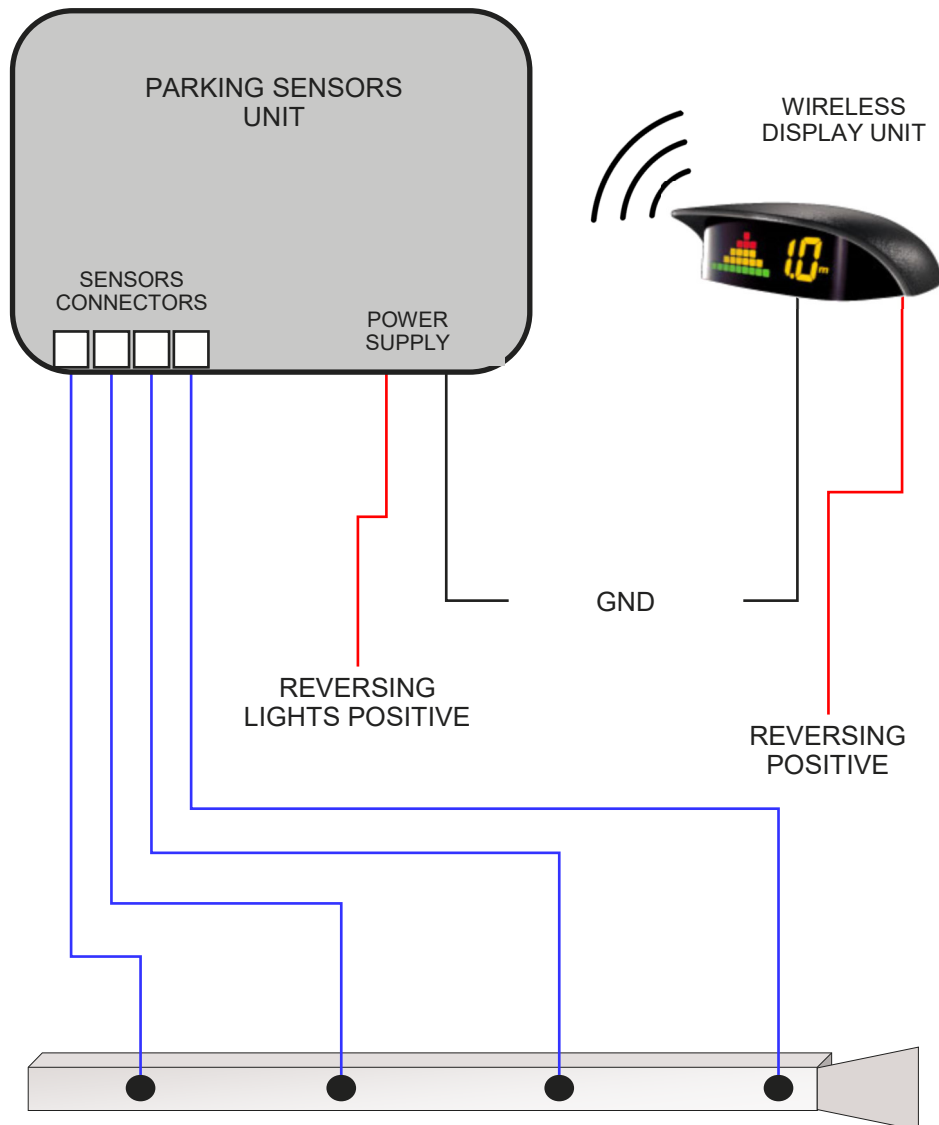
1. Please connect the red wiring (POSITIVE) in output from the parking sensors unit to positive output from the reversing lights on the back of the vehicle;
2. Please connect the black wiring (NEGATIVE) in output from the parking sensors unit to the mass (GND);
3. Please connect the connector in output from the parking sensor bar to the connector in output from the parking sensors unit;
4. Please connect the POSITIVE wiring of the display unit to the reversing positive;
5. Please connect the NEGATIVE wiring of the display unit to the mass (GND) of the vehicle;

No other physical connections are necessary, for the display unit, that will be placed in the driver cabin of the vehicle, will connect wireless.



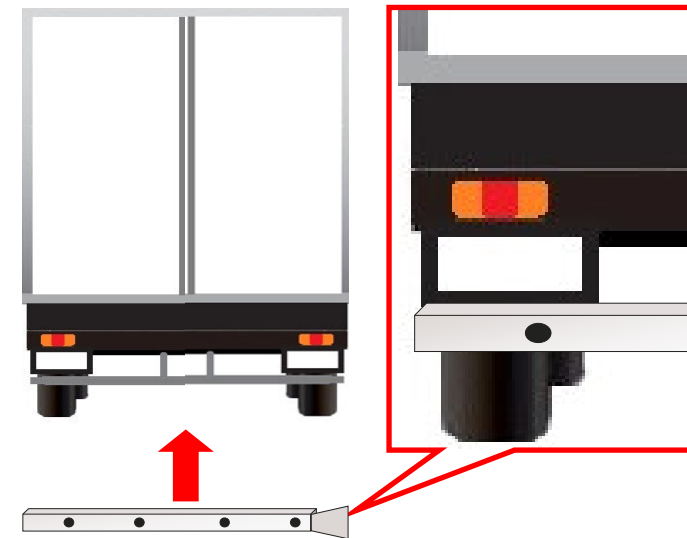
The previous figure shows LORRY PARK ASSISTANT system installed

CONNECTIONS DIAGRAM



INSTALLATION OF THE PARKING SENSORS

The installation of parking sensors is quick and easy. The 4 parking sensors capsules are supplied yet inserted and properly wired into the installation bar. You only have to fix the bar to the rear of the vehicle or the trailer by the dedicated brackets, as shown in the following:



To install the bar with parking sensors, please:

- pierce the metal bar on the back of the vehicle in correspondence with the holes of the mounting brackets, then secure the brackets with safety bolts to then fasten the perforated bar;
- fasten the parking sensors bar to the brackets, preferably to no more than 60 cm from the ground and immediately below the reversing lights, so as to allow a simple electrical connections;
- fasten the parking sensors unit inserted into dedicated box, using the dedicated screws, near the reversing lights output or, at least, wherever it is most comfortable for the electrical connections.