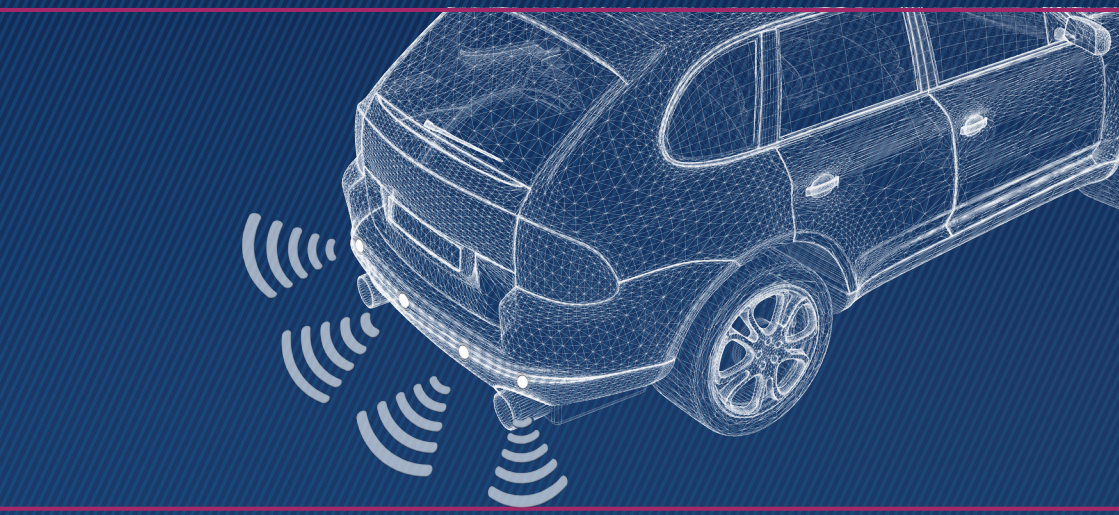
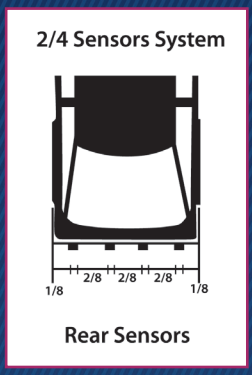
CAR PARKING SENSOR



- Instrukcja montażu czujników parkowania
- Car parking sensor manual
- Einparkhilfe Betriebsanleitung
- Installazione kit sensori di parcheggio
- Manual de instalación de sensores de aparcamiento
- Notice de montage de l'aide au stationnement
- Instalace parkovacích senzorů
- Instrução de montagem de sensores de aparcamento

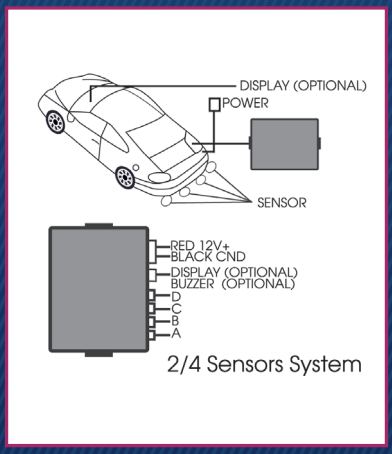
This product is a warning device only.
The driver has to take responsibility for safety while driving a vehicle.

GENERAL



Parking sensor is a modern, ultrasonic-based supervisory system for vehicles. It checks space behind the vehicle during reversing or parking procedure and warns acoustically against obstacles, which are detected through the devices. Assistance provided by the parking sensor does not relieve the driver of the special caution required when reversing. Parking sensor consist of 2-8 ultrasonic sensors, one control box and a speaker.

INSTALLATION DIAGRAM

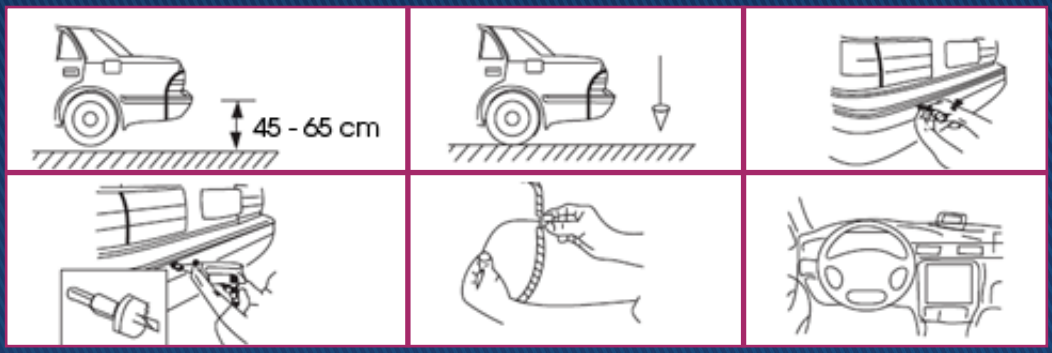


The diagram above is for 4 sensor parking system. All sensors begin to work when the reverse gear is on. The sensors should be connected to sockets: A, B, C, D.

SENSOR INSTALLATION

Ideal height to mount the sensors is from 45cm to 65cm. Mark positions on the bumper before drilling the holes as shown on the diagram below.

INSTALLATION DIAGRAM



55cm is a recommended height. A vertical, flat and non-metal place of installation is required. Mark the installation spots first, then drill all holes. Place the sensors in the holes. Make sure they fit well and the position indicator arrow is faced upwards. Find a suitable location on the dashboard to install the display and connect the wires to the control box, which should be installed in the trunk. Make sure to keep it clean, dry and away from rain, heat and humidity.

	Distance(m)	Display	Alarm
Reversing	0.1-0.3	0.0	BI....
	0.4	0.4	BI....
	0.5	0.5	BI BI
	0.6	0.6	BI BI
	0.7	0.7	BI BI
	0.8	0.8	BI BI
	0.9	0.9	BI BI
	1.0	1.0	BI BI
	1.1	1.1	BI BI
	1.2	1.2	BI BI
	1.3	1.3	BI BI
	1.4	1.4	BI BI
	1.5	1.5	BI BI
	1.6	1.6	
	1.7	1.7	
	1.8	1.8	
	1.9	1.9	
	2.0	2.0	
	>2.0	——	

	Distance(m)	Display	Alarm
Brake	0.1-0.3	0.0	BI....
	0.4	0.4	BI....
	0.5	0.5	BI BI
	0.6	0.6	BI BI
	0.7	0.7	BI BI
	0.8	0.8	BI BI
	0.9	0.9	BI BI
	1.0	1.0	BI BI
	1.1	1.1	
	1.2	1.2	
	1.3	1.3	
	1.4	1.4	
	1.5	1.5	
	>1.5	——	

TECHNICAL DATA

Detection Distance: 2m – 0.3m
Detection Accurate: < ±1cm
The best range: <0.9m
Operating Frequency: 40KHz
Voltage Range: 9-15V
Operating Temp.: -40°C to 85°C
Speaker: 80-100dB (at 30cm)

WARNING

The parking sensor system is strictly a driver assistance device, it is not a substitute for driver responsibility when driving a vehicle. You are obligated to check the rear surroundings of your car before reversing or parking. The continous beep sound indicates an obstacle in distance of 30 cm or less from your bumper. All sensors have to remain clean in order to work properly. Water drops (e.g. washing, raining etc.), may decrease the sensitivity of the sensor by 20% unless cleared and dry. Keep all the wires of the parking sensor from the high temperature objects such as engine or exhaust. Any kind of ingerence in the parking sensor system (e.g. opening the control box or sensors) will result in the warranty loss.

Problem	Causes	Solution
System does not work on reverse.	Bad connection of main power lead. Bad jack connection.	Check the power lead. Reconnect all jacks.
No indication when an obstacle is detected.	Sensors detect ground.	Reset the system. Adjust angle of the sensors.

Disposal of Old Electrical and Electronic Equipment (Applicable in the European Union)

The symbol indicates that this product shall not be mixed with unsorted municipal waste when disposed of. There is a separate collection system fot waste electrical and electronic equipment. For further information please contact the competent municipal authorities or the retailer from which you purchased the product. Correct disposal ensures that waste electrical and electronic equipment is recycled and reused appropriately. It helps avoid potential damage to the environment and human health and to preserve natural resources.

M-Tech Poland Sp. z o.o.
ul. Redena 10 41-807 Zabrze, Poland
+48 32 284 10 10
+48 32 428 42 99
info@m-tech.pl
www.m-tech.pl