Motorcycle 24ghz microwave radar

Blind area monitoring and early warning system of 24ghz millimeter wave

radarinstruction book

1、Product Introduction

Thanks for choosing the motorcycle Blind spot detection system produced by our company. The product is composed of one 24Ghz microwave radar sensor, two indicators and connecting harness

This product can give early warning to dangerous targets in the left and right rear of motorcycle, 24ghz microwave radar Its unique capacities of penetrating the smoke, fog and dust can realize the all-weather and all-time application,It is able to detect the target as far as 20 meters at maximum, and finally output the warning signals. The warning signals include the lightis always on and lightis flashes.

2、Inventory

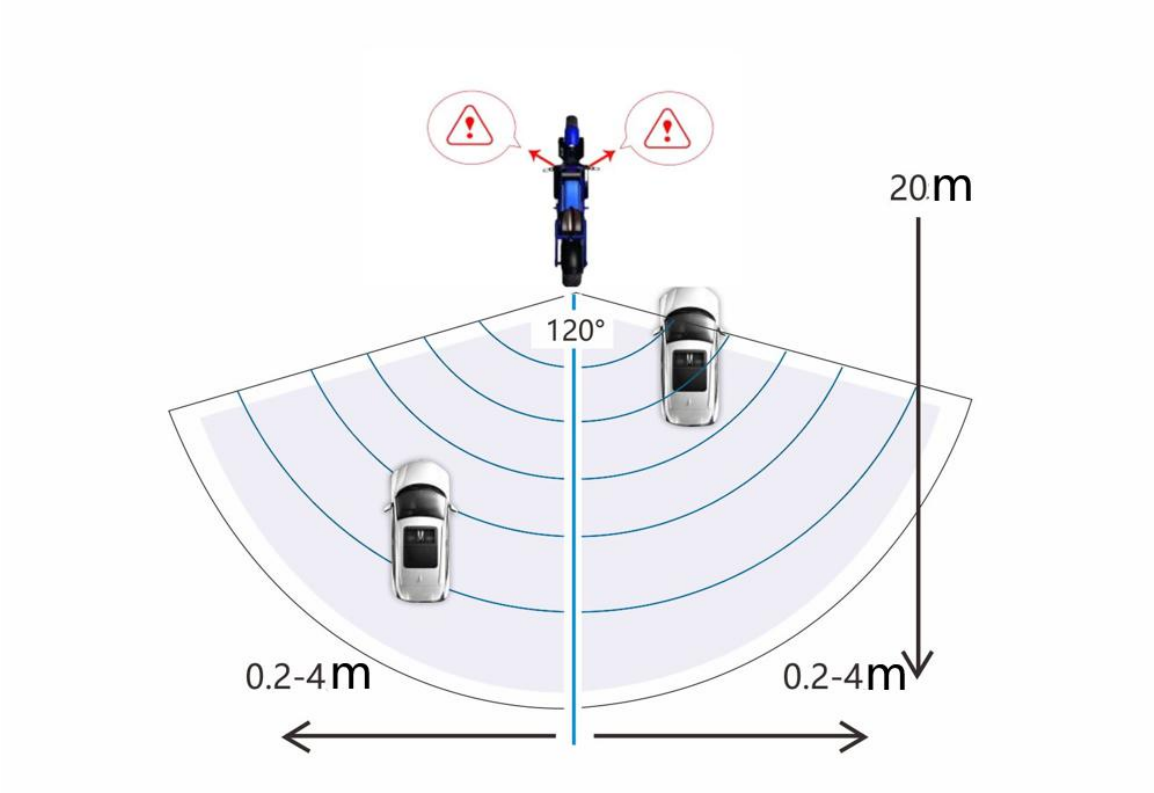
Name	**Quantity**
24ghz microwave radar	**1**
Warning light	**2**
Power line	**1**
Mounting bracket	**1**
Accessory Package	**1**
Instruction book	**1**

3、Technical Parameter

No.	**Item**	**Specification**
01	**Working voltage**	**12 V**
02	**Working frequency**	**24 Ghz**
03	**Signal angle**	**±60°**
04	**Working**	**-40°C ∽+ 85°C**
05	**Power consumption**	**<2W**
06	**Water-proof level**	**Ip 67**
07	**Distance resolution**	**0.4m**
08	**Detection distance**	**20 m**

4、 Product function

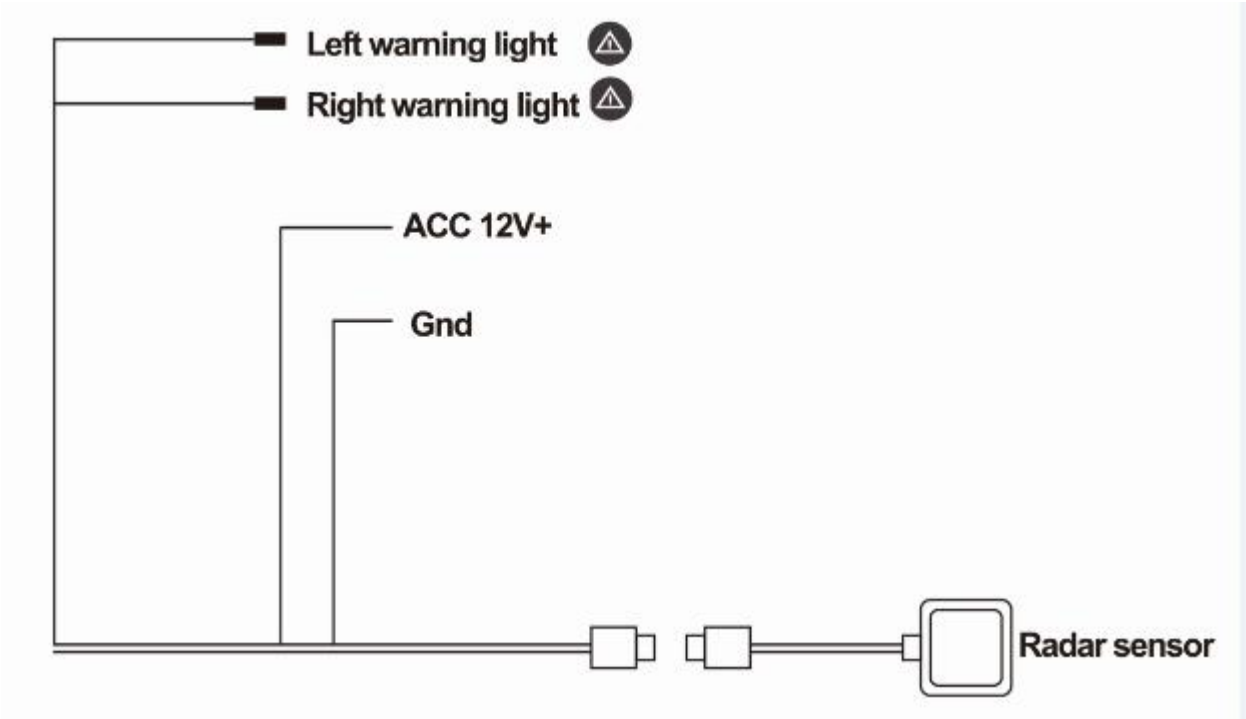
1、Signalrange



2、Startup mode： Power on start, Radar self check after power on: The warning light will be on for one second and then off

3、warning modeIf the target object enters the radar signal area20m with the faster speed ,The warning light is always on.

5、 line connection



1、Connection method of power line:

A、As Connect the red line of power line with ACC power

B、Connect the black line of power line with the negative pole of vehicle

2、Connection method of radar line：radar line Plus in with the power line

3、Installation position of warning light：The warning light is fixed to a position easy to see when driving.

6、 Installation method

1、1s Installation height of radar sensor： Height from the ground: 0.6-1.2m;

2、Installation angle of radar sensor： The radar sensor is perpendicular to the ground;

3、Installation position of radar sensor： The radar sensor is mounted on the rear of the motorcycle, The radar signal is toward the rear of the motorcycle, The exit of the line is below.

WARNING

Before changing the lanes at the practical lane, please visually check the surrounding areas, This system is only used to assist you to detect the vehicles behind when changing lanes. Due to some limitations in the actual working environment, sometimes the vehicles have stayed in the adjacent lanes, but the warning signal lamp of system doesn't flash or may delay to flash. Please don't complete rely on this system, and this company shall not take any responsibility for the incident occurred due to this。

7、 matters needing attention

Under the following circumstances, the radar may not emit the prompt:

a、The vehicle is located at the rear blink spot of adjacent lanes and keeps the relative

same speed for long time.

b、The adjacent lanes where vehicle is located are extremely wide, which exceeds the computation range of radar signal.

c、When driving through the hills or top of hill roads.

d、On the roundabout, the rear vehicles are not in the signal range.