

# **YOS-3807**

## **Short Range Radar Operating Manual**

[ HEAD OFFICE ]

7-5-11 Takinogawa, Kita-ku, Tokyo 114-8515 Japan

TEL: +81(0)3 3916 3173

FAX: +81(0)3 3916 8316

[ TOMIOKA PLANT ]

1112 Kanohara Tomioka-Shi, Gunma 370-2495 Japan

TEL: +81(0)274 62 2121

FAX: +81(0)274 62 2110

<b>YOKOWO CO., LTD.</b>		
R&D division		
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**1. Information to the end-user**

In accordance with FCC regulation, following information and caution shall be placed in a prominent location in the instruction manual or pamphlet supplied to the end-user.

**1.1 Information**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

**1.2 Caution**

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**2. Ambient conditions****2.1 Temperature ranges**

Storage temperature range: -40 to +95°C

Operating temperature range: -30 to +85°C

### 3. Function overview

#### 3.1 BSI (Blind Spot Information)

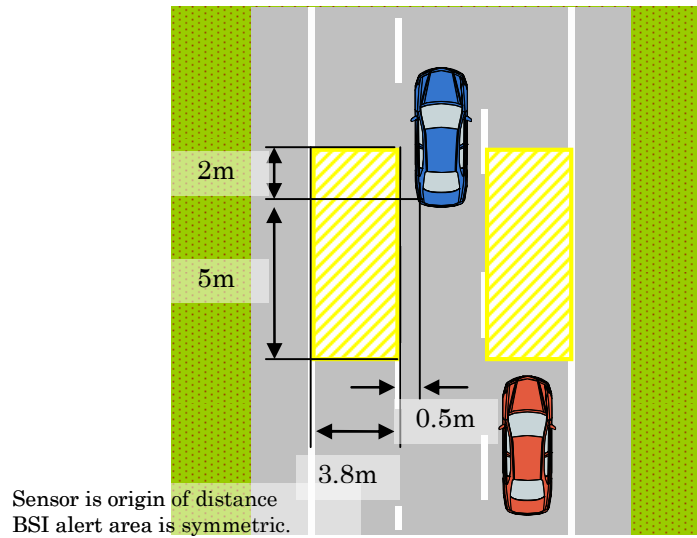


Fig.3-1 BSI alert area ( based on ISO 17387 :2008 )

Blind Spot Information system (BSI) assist driver to changing lane. If vehicle is in blind spot area, radar detected the vehicle and alert the existence to driver by illuminating indicator lamp and buzzer. Fig.3-1 shows BSI alert area. BSI works when BSI system is turned on and vehicle speed exceeds 10km/h.

### 3.2 CTA (Cross Traffic Alert)

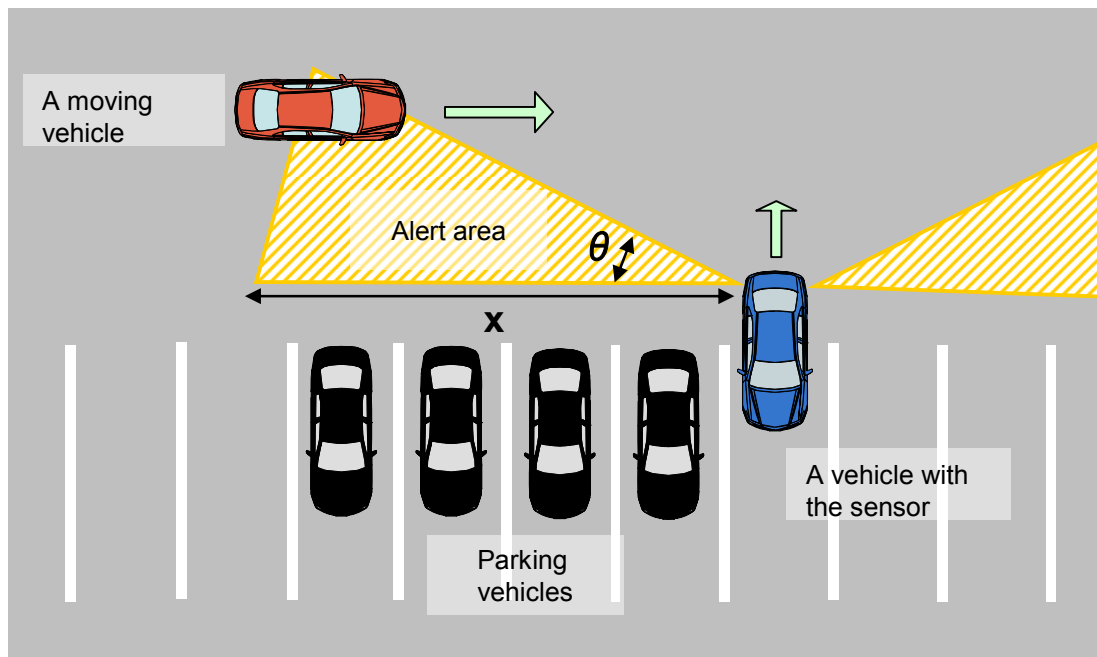


Fig.3-2 Cross Traffic Alert area

The Cross Traffic Alert system assists drivers in backing up by warning drivers of impending traffic while reversing. Fig.3-2 shows Cross Traffic Alert area. CTA works when a gear is put into the back.

Symbol values

X: max. 10m

$\theta$  : 30°

**4. Installation to a vehicle**

**4.1 Installation position**

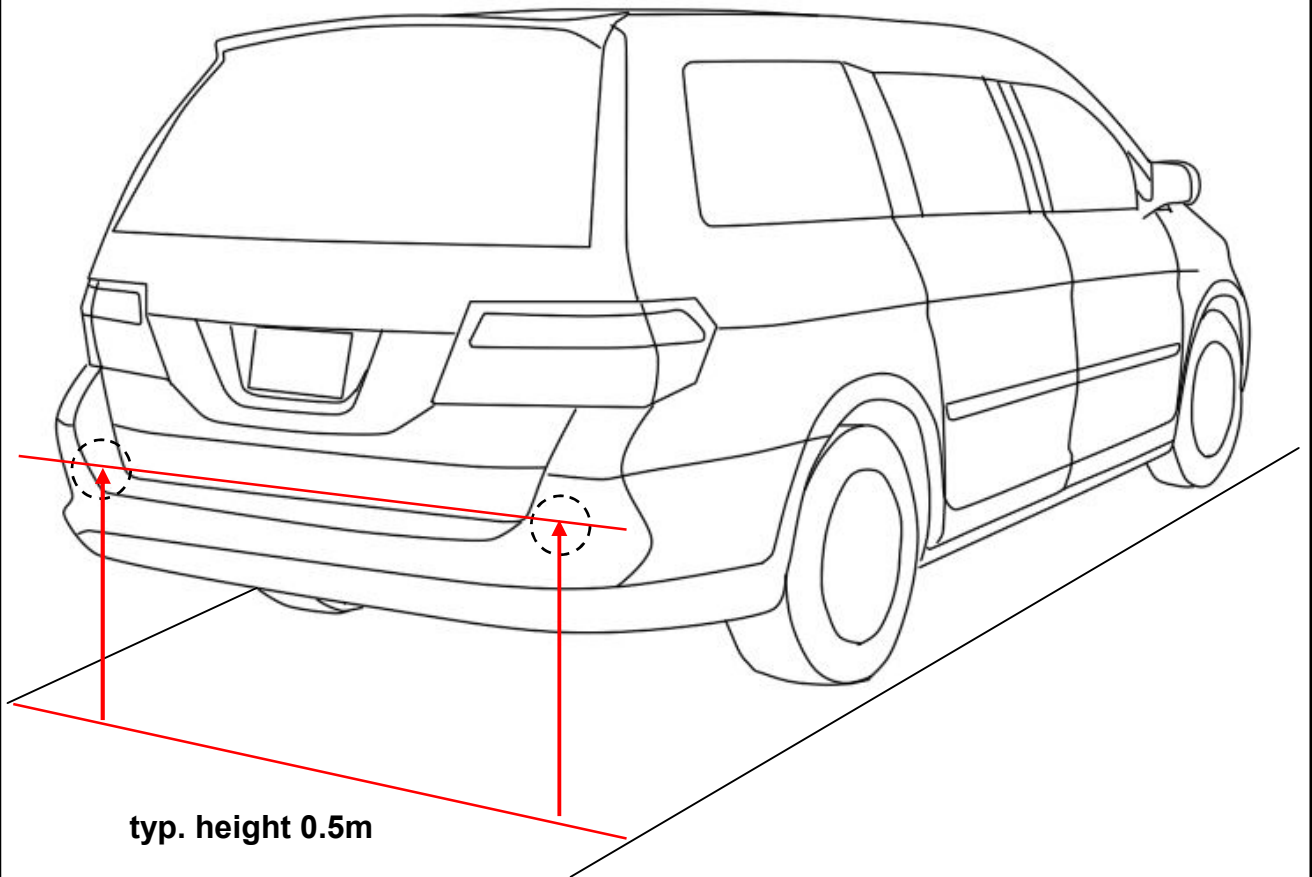


Fig.4-1 The image of sensor positions

Fig.4-1 shows the sensor position. Sensors are installed on each side of the rear. Position of sensors is inside of a bumper, is at a height of around 0.5 meter. Fig.4-2 shows the shape of sensor. It is only a vehicle maker that installs the sensor.

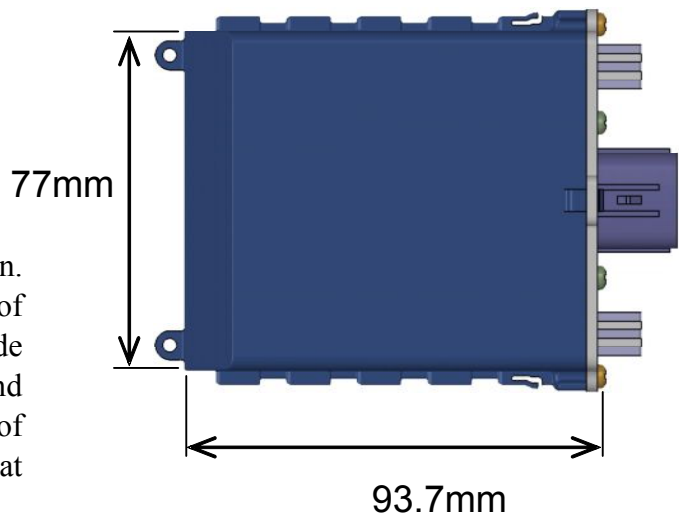


Fig.4-2 The sensor shape