

**Note**

- (1) Ensure antenna core don't contact with conductive metal, i.e. bodywork metal, to avoid the declining of sensitivity caused by Screen.
- (2) Keep antenna straight during installation and using
- (3) Emitter and receiver better be installed against and parallel with each other.

**Remark**

The power cable of ECU and display is less than 3m.

**The antenna of this product is specific.**  
antenna and has been fixed up permanently.

Please don't remove or change by yourself.

Any necessary repair or change please contacts our service dept.

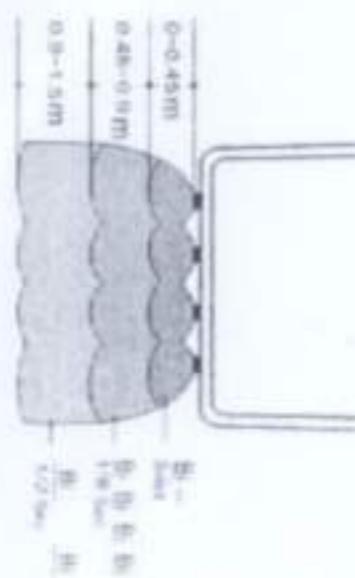
**System/fitting check**

- (1) Turn the ignition switch to "On" position.
- (2) Signals Instruction:

- Waiting

Γ : link-learning

- 0: Transitory intermezzo when receiving inter-linking but not received the obstacle information from parking sensor.
- (3) When the power off from the back Emitter, the Display will show-0 two seconds and then turn to waiting.

**Note**

1. All sensors of type O and L systems, e.g., FWO48R52, have same detection range 0-45-90-150cm. For type O and T systems, e.g., FWT48R52, FWT48R52, Detection range for the central sensors is 0-45-90-150cm, that for the corner sensors is 0-45-60cm.
2. All measurement are approximate. Due to an object's position, angle, size, or shape, the reflected signal may mislead the receiving sensor(s). For better understanding of the measurement, please test from different angles after installation.

**Technical data**

CONTROL BOX	
ITEM	SPECIFICATION
Specified voltage	DC12V
Operating voltage range	DC9.6V
Standby current	Below 100mA
Operating current	Below 200mA
Operating temperature	-20°C-35°C
Storage temperature	-25°C-60°C
Frequency band	415.11-416.58MHz±150kHz
Power a. r. p.	5mW
Duty cycle	10%

SENSOR	
ITEM	SPECIFICATION
Operating voltage range	AC 90-130V P-P
Operating temperature	20°C-55°C
Storage temperature	-25°C-60°C
Operating frequency	400kHz±20kHz
Detection angle	120° Horizontal 60° Vertical
Detection method	Ultrasonic wave

	DISPLAY	SPECIFICATION
Specification voltage	DC12V	DC12V
Operating voltage range	DC9.6V	DC9.6V
Standby current	Below 100mA	Below 100mA
Operating current	Below 200mA	Below 200mA
Storage temperature	-25°C-60°C	-25°C-60°C
Frequency band	915.11-916.58MHz±150kHz	915.11-916.58MHz±150kHz
Power a. r. p.	5mW	5mW
Duty cycle	10%	10%
Language (On/Off)	PLS-3 display/operation (optional)	PLS-3 display/operation (optional)
Display Chemical plant	502 (optional)	502 (optional)

3. If 2 or more sensors detect object(s), the digital display will show the distance of the nearest object to any sensor.

**5 Complete the installation**

- (1) Fix control box in chosen position using supplied double-side adhesive tape or screws.
- (2) Fix display in chosen position using supplied double-side adhesive tape.
- (3) Conceal all cables as much as possible, ensuring they are as well protected and secured as possible.