VS13 Motion Ultrasonic Sensor

1.Product Description

    VS13 Ultrasonic sensor consists of a transmitting sensor ,a receiving sensor , working with the application circuit , it can detect a **moving** obstacle and output a digital switch signal.
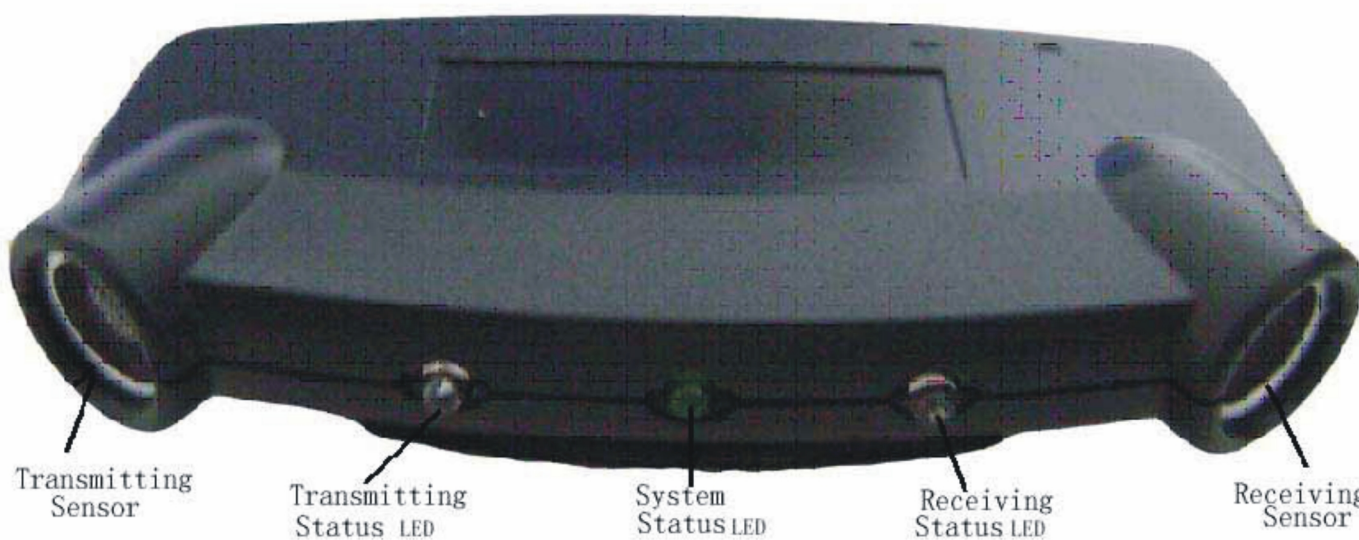
2: Applications

    Car alarm system, Garage door closer, proximity switch etc.

3: Parameters

ITEMS	PARAMETER	TOLERENCE	NOTE
VOLTAGE	DC9---16V		
FRENQUENCE	40KHZ	±1KHz	
WORKING CURRENT	20mA		
DETECTING RANGE	0---5M	±5cm	
SIGNAL OUTPUT	0 OR 1		DIGITAL SIGNAL

4: OUTLINE

Transmitting Sensor   Transmitting Status LED   System Status LED   Receiving Status LED   Receiving Sensor

GND   DATE   VCC

9CM

MEAS : 9*4*2.5 CM

5：Function

1. Pin assignment: （Pin1 : VCC，Pin2: SIGNAL OUTPUT   Pin3: GND）

2. After connect it to power , the left and right LED will flash in turn, then the middle LED will turn on , It indicates the system works OK. If the system detects a **moving** obstacle , it will output a high level signal, otherwise it outputs a low signal.

3. The sensitivity is adjustable by the knob .