

OKY0011

Product Name: Ultrasonic Sensor Module HC-SR04 Bracket
Holder for Arduino

Product Module: OKY0011

Description:

Module main technical parameters:

1. Working Voltage : 5V(DC)
2. Static current: Less than 2mA.
3. Output signal: Electric frequency signal, high level 5V, low level 0V.
4. Sensor angle: Not more than 15 degrees.
5. Detection distance: 2cm-450cm.
6. High precision: Up to 0.3cm
7. Input trigger signal: 10us TTL impulse
8. Echo signal : output TTL PWL signal

Mode of connection:

1. VCC
2. trig(T)
3. echo(R)
4. GND

Use method:

Supply module with 5V, the output will be 5V while obstacle in range, or 0V if not. The out pin of this module is used as a switching output when anti-theft module, and without the feet when ranging modules.

Note : the module should be inserted in the circuit before been power, which avoid producing high level of misoperation; if not, then power again.

Module Working Principle:

1. Adopt IO trigger through supplying at least 10us sequence of high level signal.

2. The module automatically send eight 40khz square wave and automatically detect whether receive the returning pulse signal.

3. If there is signals returning, through outputting high level and the time of high level

continuing is the time of that from the ultrasonic transmitting to receiving. Test distance =

$(\text{high level time} * \text{sound velocity (340M/S)}) / 2.$

Note : This module is not suitable to connect with electric power, if you need to connect this

module with electronic power, then let the GND terminal of this

module to be connected

first, otherwise, it will affect the normal work of the module

Features:

Thickness: 2.8 3.1 mm

16 mm in diameter:

Fixed hole diameter: 3.8 MM

Material: imported acrylic

USES: fixed ultrasonic sensing module and other products;

Color: red, blue, Little number, can't pick the color

Specifications:

The stents and HC - SR04 only form a complete set of ultrasonic ranging module, the other can't form a complete set of ultrasonic module.

Package Included

1PCS x Ultrasonic Sensor Module HC-SR04 Bracket Holder

