



Setting command of new model ultrasonic sensor



seguripass

ESTACIONAMIENTOS INTELIGENTES

Baud rate: 9600

Note: whenever a sensor is to be set, only one sensor must be connected to the 485 interface, and multiple sensors cannot be set together.

There are four types of sensors: sensor, screen, factory mode and wireless sensor. No matter what type it works in, it can be modified by the following instructions through the 485 interface.

Set as sensor:

00 FF 01 00 01 00 14 63

Set as screen:

00 FF 01 00 01 01 D5 A3

2. The sensor has an address code, which can be modified by the following instructions through the 485 interface.

Set address:

00 FF 01 04 01 01 94 62 // address 1
00 FF 01 04 01 02 D4 63 // address 2
00 FF 01 04 01 03 15 A3 // address 3
00 FF 01 04 01 04 54 61 // address 4
00 FF 01 04 01 05 95 A1 // address 5
00 FF 01 04 01 06 D5 A0 // address 6
00 FF 01 04 01 07 14 60 // address 7
00 FF 01 04 01 08 54 64 // address 8
00 FF 01 04 01 09 95 A4 // address 9
00 FF 01 04 01 0A D5 A5 // address 10
00 FF 01 04 01 0B 14 65 // address 11
00 FF 01 04 01 0C 55 A7 // address 12
00 FF 01 04 01 0D 94 67 // address 13
00 FF 01 04 01 0E D4 66 // address 14
00 FF 01 04 01 0F 15 A6 // address 15
00 FF 01 04 01 10 54 6E // address 16
00 FF 01 04 01 11 95 AE // address 17
00 FF 01 04 01 12 D5 AF // address 18
00 FF 01 04 01 13 14 6F // address 19
00 FF 01 04 01 14 55 AD // address 20
00 FF 01 04 01 15 94 6D // address 21
00 FF 01 04 01 16 D4 6C // address 22
00 FF 01 04 01 17 15 AC // address 23
00 FF 01 04 01 18 55 A8 // address 24
00 FF 01 04 01 19 94 68 // address 25
00 FF 01 04 01 1A D4 69 // address 26
00 FF 01 04 01 1B 15 A9 // address 27
00 FF 01 04 01 1C 54 6B // address 28
00 FF 01 04 01 1D 95 AB // address 29
00 FF 01 04 01 1E D5 AA // address 30
00 FF 01 04 01 1F 14 6A // address 31

The red number is the address, the front is the same, and the last two digits are CRC check, using the same check algorithm as MODBUS protocol.

**3. As a sensor, you can set whether it works in offline mode or online mode.
The instructions are as follows:**

4. Set to off-line mode: (when the controller is not connected for single use)

00 FF 01 06 01 00 F4 62

Set to online mode: (when the controller is connected)

00 FF 01 06 01 01 35 A2

5. Set detection distance:

```
00 FF 01 03 01 0F A4 67 //Set as 1.5M
00 FF 01 03 01 14 E4 6C //2.0M
00 FF 01 03 01 19 25 A9 //2.5M
00 FF 01 03 01 1E 64 6B //3.0M
00 FF 01 03 01 23 A5 BA //3.5M
00 FF 01 03 01 28 E4 7D //4.0M
00 FF 01 03 01 2D 24 7E //4.5M
00 FF 01 03 01 32 65 B6 //5.0M
```

6. As a sensor, you can read its parking space status with the following command:

```
00 01 00 01 01 E5 AC //address 1
00 02 00 01 01 E5 E8 //address 2
00 03 00 01 01 E4 14 //address 3
00 04 00 01 01 E5 60 //address 4
00 05 00 01 01 E4 9C //address 5
00 06 00 01 01 E4 D8 //address 6
00 07 00 01 01 E5 24 //address 7
00 08 00 01 01 E6 30 //address 8
00 09 00 01 01 E7 CC //address 9
00 0a 00 01 01 E7 88 //address 10
00 0b 00 01 01 E6 74 //address 11
00 0c 00 01 01 E7 00 //address 12
00 0d 00 01 01 E6 FC //address 13
00 0e 00 01 01 E6 B8 //address 14
00 0f 00 01 01 E7 44 //address 15
00 10 00 01 01 E0 90 //address 16
00 11 00 01 01 E1 6C //address 17
00 12 00 01 01 E1 28 //address 18
00 13 00 01 01 E0 D4 //address 19
00 14 00 01 01 E1 A0 //address 20
00 15 00 01 01 E0 5C //address 21
00 16 00 01 01 E0 18 //address 22
00 17 00 01 01 E1 E4 //address 23
00 18 00 01 01 E2 F0 //address 24
00 19 00 01 01 E3 0C //address 25
00 1a 00 01 01 E3 48 //address 26
00 1b 00 01 01 E2 B4 //address 27
00 1c 00 01 01 E3 C0 //address 28
00 1d 00 01 01 E2 3C //address 29
00 1e 00 01 01 E2 78 //address 30
```

The reply is: 00 XX 80 01 01 YY MM NN, where XX is the address and YY is the parking space status, and YY is 01 if there is a car and 00 if there is no car. MM NN is the check code.

6. Set the sensor display mode

```
00 01 01 02 01 00 9C 77 // Sensor 01 is set to normal.
00 01 01 02 01 01 5D B7 // Sensor 01 is set to VIP.
00 01 01 02 01 02 1D B6 // Sensor 01 is set for reservation.
00 01 01 02 01 03 DC 76 // Sensor 01 is set to test.
00 FF 01 02 01 03 F5 A2 // Set all to test.
00 FF 01 02 01 02 34 62 // All set to reservation.
00 FF 01 02 01 01 74 63 // All set to VIP.
00 FF 01 02 01 00 B5 A3 // All set to normal.
00 FF 01 06 01 00 F4 62 // All set to offline.
00 FF 01 06 01 01 35 A2 // All set to online.
```