Modbus RTU instruction

Baud rate: 9600 8 NONE 1

Hexadecimal transmission

Hexadecimal reception

Steps:

1. Software setting communication baud rate

2. Set the address (device address used for communication, the default address is 01)

/** **********/

Set the address to: 09

01 10 00 00 00 01 02 00 09 66 56 //The current address 01 is modified to 09

00 10 00 00 00 01 02 00 09 6B C6 //The broadcast address is changed to 09

Read address

00 03 00 00 00 01 85 db

return:

00 03 02 00 01 44 44 //01 is the address

/** **********/

/** **********/

The meaning of each byte:

[Address 1]

//----------

Relay No. 1 is on: 01 05 00 01 01 00 9d 9a

Byte 1: Address

Byte 2: Function?

Byte 3 4: Register Address

Byte 5 6: Register Data

Byte 7 8: CRC check

//========== ==========

[Address 1]

//----------

Relay No. 0 is on: 01 05 00 00 FF 00 8C 3A

Relay No. 0 is closed: 01 05 00 00 00 00 CD CA

//----------

Relay No. 1 is open: 01 05 00 01 FF 00 DD FA

Relay No. 1 is closed: 01 05 00 01 00 00 9C 0A

//----------

Relay No. 2 is on: 01 05 00 02 FF 00 2D FA

Relay No. 2 is closed: 01 05 00 02 00 00 6C 0A

//----------

//==========
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Total elimination: 01 0F 00 00 00 08 01 00 FE 95

Full light: 01 0F 00 00 00 08 01 FF BE D5

/********** **********/

Read all relay status:

Send: 01 01 00 00 00 08 3D CC

Back: 01 01 01 00 51 88 Relay fully closed

Back: 01 01 01 03 11 89 All relays are on

/********** **********/

Read all input switch states

Send: 01 02 00 00 00 08 79 CC //Read 8 input states

Back: 01 02 01 00 A1 88