Parameter description of route 2 data

Input and output wiring and function description:

Output part: NC(normally off) COM(common pin) N0(normally on)

Load 220V 10A below 220V 6A is recommended

1. It is just a switch off and off without any voltage output.

2. The opening and closing of the relay can only be controlled by 485 communication instructions.

3. By default, NC COM is connected. When 485 sends the start command, NC is disconnected from COM, and NO is connected to COM. On the other hand.

Input part: IN1 tap switch or voltage signal (3V-30V)

1. Can only read the status of the switch quantity through the computer, can not control the relay, if necessary, can control the relay to communicate with the store

2. IN1 connection switch (no voltage signal) : If IN1 is connected to VCC, it means 1 if IN1 is not connected to VCC, it means 0

Hardware Resources:

1. RS485 communication port

2. TTL communication interface

3.2 Input Isolation by the optical coupler

4.2 Output Isolation by the optical coupler

5. A user button

6. A user LED indicator

7. A power indicator

8. A STM32F030F4 microcontroller

9 2 relay status indicator LED lights

10. Power terminal interface (12V power supply)

Modbus RTU instruction

Baud rate: 9600 8 NONE 1

Send in hexadecimal format

Hexadecimal reception

Operation Procedure:

1. Set the Baud rate

2. Set the IP address (The default IP address is 01).

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Set the IP address to 09

01 10 00 00 00 01 02 00 09 66 56 // Change the current address 01 to 09

00 10 00 00 00 01 02 00 09 6B C6 // Change the broadcast address to 09

Read the address

00 03 00 00 00 01 85 db

Returns:

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

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Meaning of each byte:

[Address 1]

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No. 1 relay open: 01 05 00 01 01 00 9D 9A

Byte 1: indicates the address

Byte 2: Function

Byte 3 4: Register address

Byte 5 6: register data

Byte 7 8: CRC check

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[Address 1]

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No. 0 relay open: 01 05 00 00 FF 00 8C 3A

Relay 0 closed: 01 05 00 00 00 00 CD CA

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

No. 1 relay open: 01 05 00 01 FF 00 DD FA

Relay 1 is closed: 01 05 00 01 00 00 9C 0A

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

No. 2 relay open: 01 05 00 02 FF 00 2D FA

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

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All Off: 01 0F 00 00 00 08 01 00 FE 95

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

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Read all relay status:

Send: 01 01 00 00 00 08 3D CC

Return: 01 01 01 00 51 88 relays are all closed

Return: 01 01 01 03 11 89 All relays are open

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Read all input switch status

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

Return: 01 02 01 00 A1 88