IOTZONE®

V4 Communication Protocol

Zhenming Electronic Technology Co., Ltd

V4 Communication Protocol

1、Application section

All command controls use ctr subscription numbers, and all devices return state subscription numbers

1. Output control, setr=output value

Send: setr=CMD, CMD channel 4 is 4 bytes, '0' represents off, '1' represents on, and '2' represents point

Touch, '3' indicates flipping, '4' indicates interlocking, and 'X' indicates no action, returning JSON data.

For example, sending setr=1111

Return JSON format data

{
″output": "1111",
″input":
″0000",
″t1": -200,
″h1": 64,
″sn": "0201330695293048"
}

The output value of the object is 1111, indicating that the relay status is fully open.

The object Input is in the input state, with 4 channels being fixed 8 bytes, '1' indicating input, and '0' indicating none Input;

Object t1 is the value of temperature, and the actual temperature value=the value of t1/10

Object h1 is the current humidity value, which is the actual humidity value

2.Set the touch time

Send plose (n)=t, where n represents the corresponding output and t represents the delay time in 100ms, with a range of 0.1-6000s.

Return sn: use (n)=t

Send plug (n)='?', Used to query settings content

Return sn: use (n)=t

For example, 1234567890ABCDEF: pluse1=10

Set the pulse output time of relay 1 of the device with SN number 1234567890ABCDEF to 1 second

3. Restart the device

Send restart

Return: sn: restart

4. Name synchronization

Send name (n)="", where n is the corresponding name group, with a maximum of 16 bytes,

N=0 represents the device name, and n=1-4 represents the corresponding output name.

Return sn: name (n)="xxxxxxxx" Send name (n)='?', Used for query settings

{ “sn”:"0201330695293048",

"did":"0201330695293048",

Name1 ":" Heater ",//The Chinese here is in UTF-8 format

"Name2": "Humidifier",

"Name3": "Lamp",

Name4: "Device"

}

5. View device information

Send device=?

return

sn:device=Out&Input&Temperature&Hum&devicename[16]&outputname[4][16]

6. Query Status

Send state=?

Return JSON format

This command can be used to send a loop every 10 or 20 seconds to check whether the device is online.

2、 LAN control

1. The device defaults to opening TCP port 1234 and UDP port 9128, and the port number does not need to be changed.

2. The communication protocol is completely consistent with the above protocol.

3. TCP will actively disconnect the link after 20 seconds without data.