IOTZONE®

Q30通信协议

常州贞明电子科技有限公司

Zhenming Electronic Technology Co., Ltd

Q30 通信协议

网络参数设置后需要重启或者重新上电。

支持TCP、UDP、MQTT
TCP 端口1234
UDP 端口 9128
MQTT接收控制指令的订阅号是sn+ctr(如：Q300xxxxxxxx60d7ctr)，返回状态的订阅号是sn+state(如：Q300xxxxxxxx60d7state)

1. 查询设备状态
发送state=?
返回

```
{
    "cmd": "state",
    "output": "0000",
    "input": "00000000",
    "runtime": 248,
    "sn": "Q300xxxxxxxx60d7"
}
```

2. 继电器控制
发送setr=1111
1表示打开继电器
0表示关闭继电器
2表示点触
x表示状态不变
返回

```
{
    "cmd": "setr",
    "output": "1111",
    "input": "00000000",
    "runtime": 285,
    "sn": "Q300xxxxxxxx60d7"
}
```

3. 设置继电器保存
发送relaysave=1111
1表示开启继电器保存

0表示关闭继电器保存
返回:

{
"cmd": "outset",
"relaystatus": "1111",
"relaysave": "1111",
"pulsetm1": 10,
"pulsetm2": 10,
"pulsetm3": 10,
"pulsetm4": 10,
"sn": "Q300xxxxxxxx60d7"
}

4. 查询继电器参数设置
发送 outset=?
返回

{
"cmd": "outset",
"relaystatus": "1111",
"relaysave": "1111",
"pulsetm1": 10,
"pulsetm2": 10,
"pulsetm3": 10,
"pulsetm4": 10,
"sn": "Q300xxxxxxxx60d7"
}

5. 输入类型设置
发送intype=1111
1表示边沿输入
0表示电平输入
返回

{
"cmd": "inset",
"intype": "1111",
"senceon1": "1xxx",
"senceon2": "x1xx",
"senceon3": "xx1x",
"senceon4": "xxx1",
"senceon5": "1xxx",

```
    "senceon6": "x1xx",
    "senceon7": "xx1x",
    "senceon8": "xxx1",
    "senceoff1": "0xxx",
    "senceoff2": "x0xx",
    "senceoff3": "xx0x",
    "senceoff4": "xxx0",
    "senceoff5": "0xxx",
    "senceoff6": "x0xx",
    "senceoff7": "xx0x",
    "senceoff8": "xxx0",
    "sn": "Q300xxxxxxxx60d7"
}
```

6. 查询输入参数设置

发送inset=?

返回

```
{
    "cmd": "inset",
    "intype": "1111",
    "senceon1": "1xxx",
    "senceon2": "x1xx",
    "senceon3": "xx1x",
    "senceon4": "xxx1",
    "senceon5": "1xxx",
    "senceon6": "x1xx",
    "senceon7": "xx1x",
    "senceon8": "xxx1",
    "senceoff1": "0xxx",
    "senceoff2": "x0xx",
    "senceoff3": "xx0x",
    "senceoff4": "xxx0",
    "senceoff5": "0xxx",
    "senceoff6": "x0xx",
    "senceoff7": "xx0x",
    "senceoff8": "xxx0",
    "sn": "Q300xxxxxxxx60d7"
}
```

7. 设置网络参数

发送pulsetm1=100，设置继电器1的点触时间为10秒

返回

{
"cmd": "outset",
"relaystatus": "1111",
"relaysave": "1111",
"pulsetm1": 100,
"pulsetm2": 10,
"pulsetm3": 10,
"pulsetm4": 10,
"sn": "Q300xxxxxxxx60d7"
}

8. 设置上报间隔

最小间隔为30s

发送interval=100，设置间隔时间为100秒

返回

{
"cmd": "cloud",
"postip": "123.57.12.252",
"postpt": "9128",
"tcpserverpt": "1234",
"udpserverpt": "9128",
"mqttserver": "180.76.114.10",
"mqttport": "1883",
"interval": "100",
"sn": "Q300xxxxxxxx60d7"
}

9. 重启设备

发送restart