IOTZONE®

QL16通信协议

常州贞明电子科技有限公司

Zhenming Electronic Technology Co., Ltd

QL12 通信协议

一、设备连接

MQTT链接或者HTTP链接

二、继电器控制

1. 控制继电器

setr=1x,控制第1路打开，2路继电器就对应2个字符，16路就对应16个字符。字符1表示对应位继电器打开，0表示对应位继电器关闭，x表示对应位继电器不动作(之前关闭，还是关闭，之前打开还是打开)，2表示点动(先打开继电器，延时，然后关闭继电器)

举例:

setr=11，全开

setr=01，关闭第1路，打开第2路

setr=00，全关

2. 输入类型设置

intype=111111111111

0表示点触输入

1表示电平输入

x表示状态不变

返回:

```
{
    "cmd": "inset",
    "intype": "1111111111111111",
    "senceon1": "1xxxxxxxxxxxxxxx",
    "senceon2": "x1xxxxxxxxxxxxxx",
    "senceon3": "xx1xxxxxxxxxxxxx",
    "senceon4": "xxx1xxxxxxxxxxxx",
    "senceon5": "xxxx1xxxxxxxxxxx",
    "senceon6": "xxxxx1xxxxxxxxxx",
    "senceon7": "xxxxxx1xxxxxxxxx",
    "senceon8": "xxxxxxx1xxxxxxxx",
    "senceon9": "xxxxxxxx1xxxxxxx",
    "senceon10": "xxxxxxxxx1xxxxxx",
    "senceon11": "xxxxxxxxxx1xxxxx",
    "senceon12": "xxxxxxxxxxx1xxxx",
    "senceon13": "xxxxxxxxxxxx1xxx",
    "senceon14": "xxxxxxxxxxxxx1xx",
    "senceon15": "xxxxxxxxxxxxxx1x",
```

"senceon16": "xxxxxxxxxxxxxxx1",
"senceoff1": "0xxxxxxxxxxxxxxx",
"senceoff2": "x0xxxxxxxxxxxxxx",
"senceoff3": "xx0xxxxxxxxxxxxx",
"senceoff4": "xxx0xxxxxxxxxxxx",
"senceoff5": "xxxx0xxxxxxxxxxx",
"senceoff6": "xxxxx0xxxxxxxxxx",
"senceoff7": "xxxxxx0xxxxxxxxx",
"senceoff8": "xxxxxxx0xxxxxxxx",
"senceoff9": "xxxxxxxx0xxxxxxx",
"senceoff10": "xxxxxxxxx0xxxxxx",
"senceoff11": "xxxxxxxxxx0xxxxx",
"senceoff12": "xxxxxxxxxxx0xxxx",
"senceoff13": "xxxxxxxxxxxx0xxx",
"senceoff14": "xxxxxxxxxxxxx0xx",
"senceoff15": "xxxxxxxxxxxxxx0x",
"senceoff16": "xxxxxxxxxxxxxxx0",
"sn": "LC9c888c45e6xxxx"
}

3. 查询输入参数设置

发送relay=?

返回内容与上述一致

4. 设置继电器保存

发送save=1，16路均保存

返回:

{
"cmd": "intype",
"cmd": "outset",
"relaystatus": "0000000000000000",
"relaysave": "1111111111111111",
"pulsetm1": 10,
"pulsetm2": 10,
"pulsetm3": 10,
"pulsetm4": 10,
"pulsetm5": 10,
"pulsetm6": 10,
"pulsetm7": 10,
"pulsetm8": 10,

"pulsetm9": 10,
"pulsetm10": 10,
"pulsetm11": 10,
"pulsetm12": 10,
"pulsetm13": 10,
"pulsetm14": 10,
"pulsetm15": 10,
"pulsetm16": 10,
"sn": "LC9c888c45e6xxxx"
}

5. 查询继电器参数设置
发送 relay=?
返回与上述一致

6. 点触参数设置
发送 relay=?
返回与上述一致

7. 掉电保存参数设置
发送 relay=?
返回与上述一致

8. 设置点触时间
发送ptime0=100，设置继电器1的点触时间为10秒
返回内容与上述一致

9. 重启设备
发送restart