



IOTZONE®

QL2通信协议

常州贞明电子科技有限公司

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QL2通信协议

网络参数设置后需要重启或者重新上电。

支持MQTT

MQTT接收控制指令的订阅号是sn+ctr(如: L27bxxxxxxxx8ba7ctr), 返回状态的订阅号是sn+state(如: L27bxxxxxxxx8ba7state)

1. 查询设备状态

发送state=?

返回

```
{  
  "cmd": "state",  
  "output": "00",  
  "input": "00",  
  "timer_en": 1,  
  "zmsensor": [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0],  
  "online": 0,  
  "ts": 111,  
  "runtime": 111,  
  "sn": "L27bxxxxxxxx8ba7",  
  "acc": "4",  
  "rssi": "28",  
  "lng": "119.8858330",  
  "lat": "031.7138340"  
}
```

2. 继电器控制

发送setr=11

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": "11",  
  "input": "00",  
  "timer_en": 1,  
  "zmsensor": [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0],  
  "online": 0,  
  "ts": 351,  
  "runtime": 354,  
  "sn": "L27bxxxxxxxx8ba7",  
  "acc": "4",  
  "rssi": "29",  
  "lng": "119.8858330",  
  "lat": "031.7138340"  
}
```

3. 设置继电器保存

发送save=1

1表示开启继电器保存

0表示关闭继电器保存

返回

```
{  
  "sn": "L27bxxxxxxxx8ba7",  
  "intype": "11",  
  "ptime": [10, 10],  
  "save": 1,  
  "jgtime": 10,  
  "cmd": "relay",  
  "acc": "4",  
  "rssi": "27",  
  "lng": "119.8858330",  
  "lat": "031.7138340"  
}
```



4. 查询继电器参数设置

发送 relay=?

返回

```
{  
  "sn": "L27bxxxxxxxxx8ba7",  
  "intype": "11",  
  "ptime": [10, 10],  
  "save": 1,  
  "jgtime": 10,  
  "cmd": "relay",  
  "acc": "4",  
  "rssi": "29",  
  "lng": "119.8858330",  
  "lat": "031.7138340"  
}
```

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

```
{  
  "sn": "L27bxxxxxxxxx8ba7",  
  "intype": "11",  
  "ptime": [10, 10],  
  "save": 1,  
  "jgtime": 10,  
  "cmd": "relay",  
  "acc": "4",  
  "rssi": "29",  
  "lng": "119.8858330",  
  "lat": "031.7138340"  
}
```



6. 查询输入参数设置

发送intype=?

返回

```
{
  "sn": "L27bxxxxxxxx8ba7",
  "intype": "11",
  "ptime": [10, 10],
  "save": 1,
  "jgtime": 10,
  "cmd": "relay",
  "acc": "4",
  "rssi": "29",
  "lng": "119.8858330",
  "lat": "031.7138340"
}
```

7. 时序间隔设置

发送jgtime=10 表示时序间隔时间为1秒

返回

```
{
  "sn": "L27bxxxxxxxx8ba7",
  "intype": "11",
  "ptime": [100, 10],
  "save": 1,
  "jgtime": 10,
  "cmd": "relay",
  "acc": "4",
  "rssi": "24",
  "lng": "119.8858330",
  "lat": "031.7138340"
}
```

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



```
{  
  "sn": "L27bxxxxxxxxx8ba7",  
  "intype": "11",  
  "ptime": [100, 10],  
  "save": 1,  
  "jgtime": 10,  
  "cmd": "relay",  
  "acc": "4",  
  "rssi": "26",  
  "lng": "119.8858330",  
  "lat": "031.7138340"  
}
```

9. 重启设备

发送restart