

HYJZQ-2 Low-voltage PLC Centralized Controller

Summary

HYJZQ-2 Low-voltage PLC Centralized Controller is the centralized meter reading system in key equipment. The uplink channel with the mainstream GPRS, CDMA, CSD, RS485 and so on, through the uplink channel and the main station (or handheld unit) for data exchange; the downlink channel is a low-voltage power line carrier, which can automatically store a variety of meter reading with a carrier communication function intelligent instruments, collection terminal or acquisition modules and a variety of carrier power data communication terminals.



Main technical data

1. Power supply

Three-phase four-wire power supply: A, B, C, N;

Normal working voltage: normal working and communication when voltage range is +30%~-20%;

Normal working frequency: 50Hz ± 5% ;

Machine power consumption: < 10W/15VA ;

In the off-phase voltage of one phase or two cases, can make normal working and communication;

2. Ambient Conditions

Ambient temperature of +23°C;

According to installation place, temperature and humidity conditions are divided into the following three categories:

Machine room: temperature +5°C~+40°C, relative humidity ≤75%

Indoor: temperature -25°C~+50°C, relative humidity ≤90%

Outdoor: temperature -45°C~+70°C, relative humidity ≤95%

3. Electromagnetic compatibility (EMC):

Electrostatic Discharge: contact discharge 8KV, air discharge 15KV;

High-frequency electromagnetic fields: 10V/m;

Electrical Fast Transient Burst: ± 4.4KV;

Surge voltage: 4KV;

Under the influence of the conduction, radiation and electromagnetic harassment and electrostatic discharge, can normal working.

4. Internal Clock

Clock Accuracy: 0.5s/d;

Battery Voltage: 3.6V;

Battery capacity: 1200mA / h;

Battery Life: >10 years;

5. Downstream Channel

Carrier signal frequency range: 120 ± 15kHz;

Spread-spectrum communication technology, software correlator and matched filter, 31 codes sequence;

BFSK modulation, half-duplex communications;

Carrier communication transmission range: The entire transformer area 2 kilometers (ideal environment);

Relay accuracy: 5 class

Outline dimension

