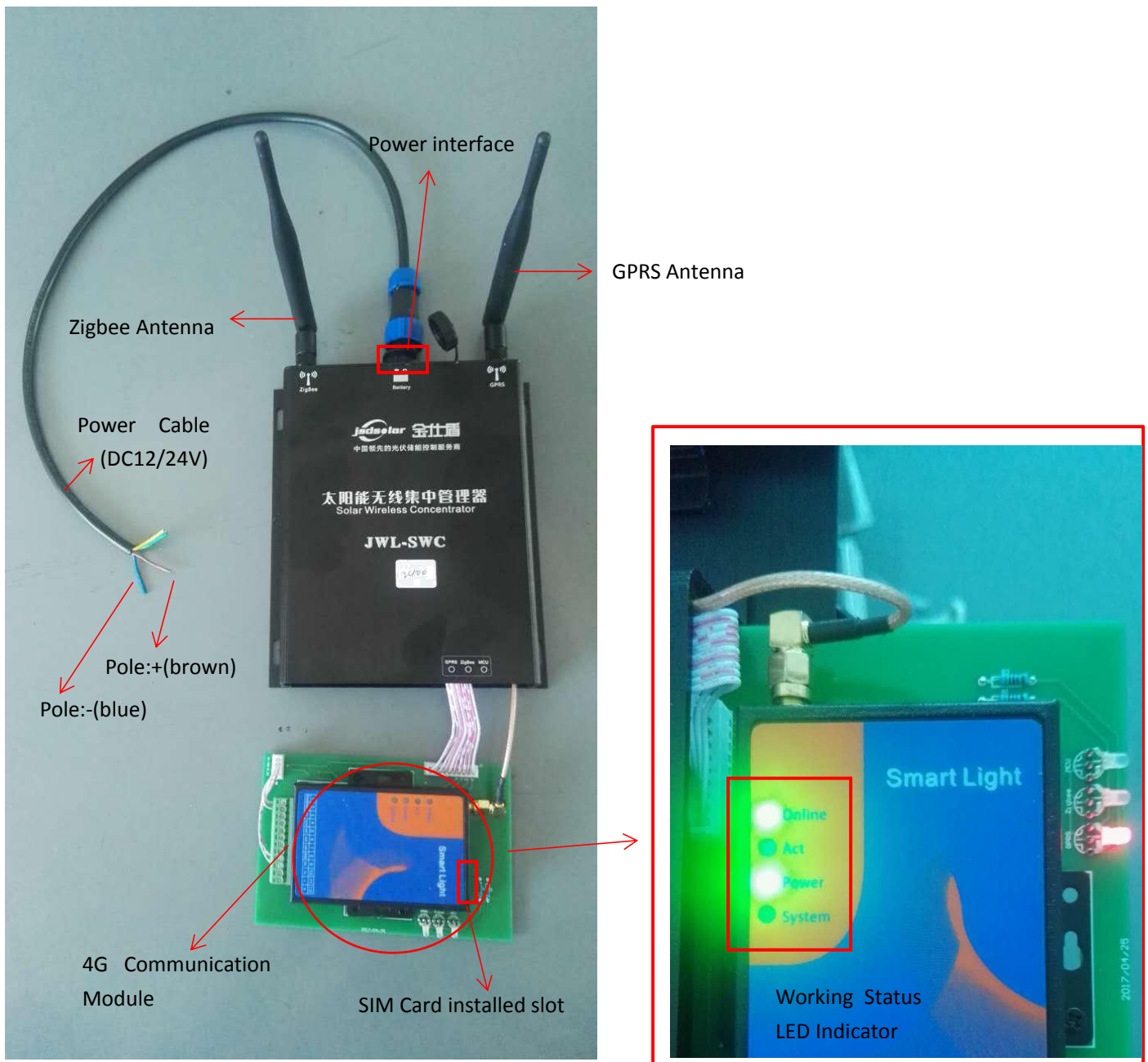


JWL-SWC GPRS Concentrator For Remote Communication 1.

Introduction

JWL-SWC series concentrator is utilized of HUAWEI 4G communication module, compatible with 3G, 2G(GPRS signal), can be application in the world's harshest conditions; whether the area is in good 4G signal, or the remote area is in only GPRS signal. Besides ,it adopts zigbee/Lora technology to local network communication,make it have lower self-consumption but being with good communication.In addition,the zigbee is globalized standard, so it can be applied for all countries without limit.



Tips:if the “online” LED indicator light on,means the SIM card is installed successfully.

2.Features

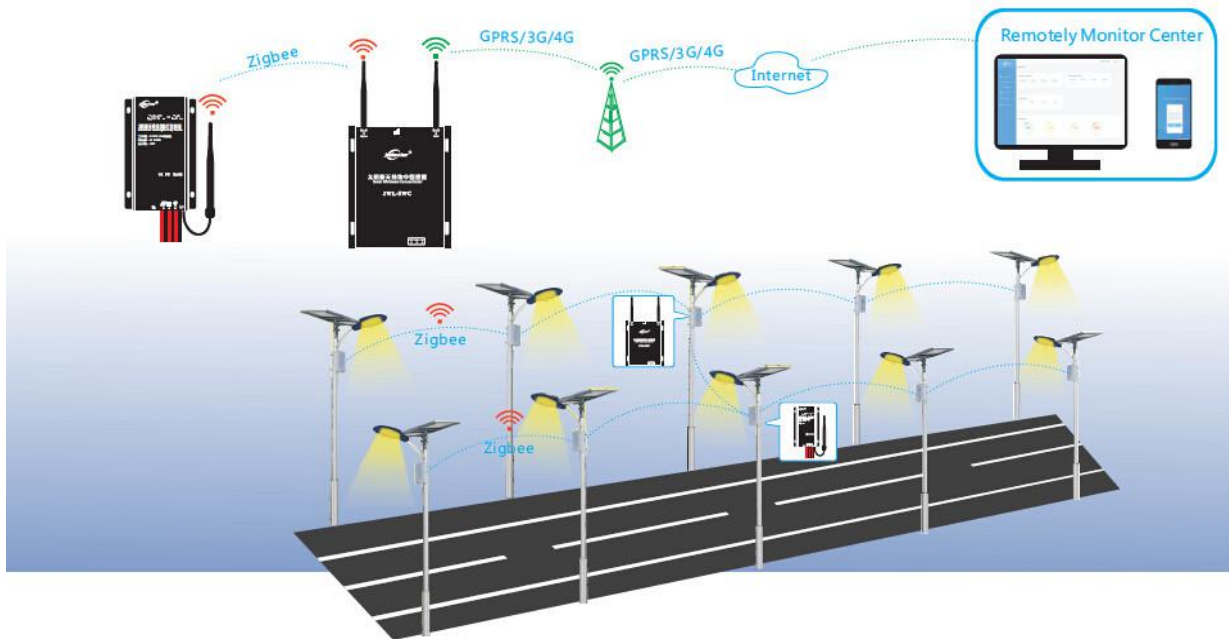
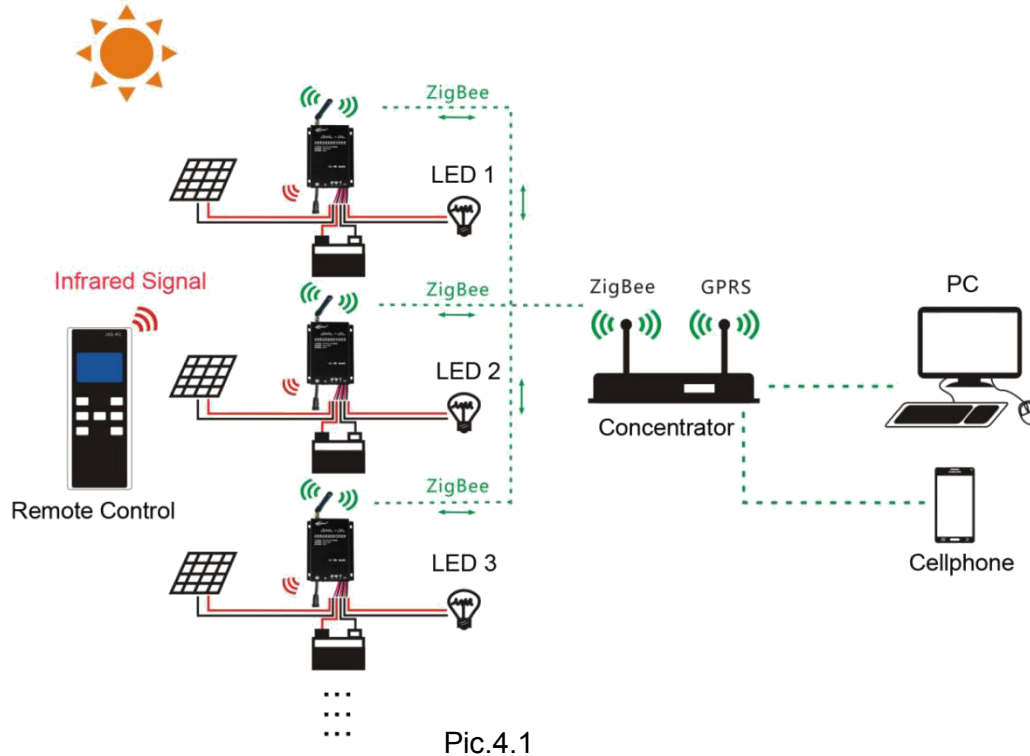
1. Three communication methods are option: ZigBee, LORA, ZigBee & LORA communication.
2. Need SIM card, the card can be full netcom.
3. Wide rang input voltage, 12V and 24V are available.
4. Long communication radius between terminal modules, up to 2km and high speed.
5. Low self-consumption and low working power.
6. With memory function, can store terminal module information.
7. Keep communicating with terminal modules in real-time, once there is problem, it will alarms on the PC interface.
8. The wireless communication network is multi-level network topology, automatic networking, is reliable transmitting and accurate information.

3.How to install SIM Card



Note: All above installation must be under the power off condition.

4. Working Principle



5. Technical Parameters:

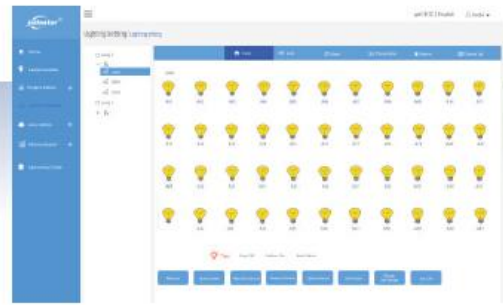
Item	Parameters
Model	JWL-SWC
Input Voltage	9-30V(9-48V Customized)
Standby Current	65mA/12V、33mA/24V
Emitting Data Current	120mA/12V、62mA/24V
GSM Mode	2G(GPRS/CDMA)、3G(WCDMA/HUUPA/HSPA+/CDMA 2000 1x EVDO)、4G(FDD-LTE/TDD-LTE)
Wireless Network	GSM/GPRS/EDGE: 850/900/1800/1900MHz CDMA: 800/1900MHz WCDMA/HSUPA/HSPA+: 850/900/1900/2100MHz CDMA200 1x/ EVDO Rev.A: 800/1900MHz TD-SCDMA: 1880-1920/2010-2025MHz(A/F) FDD-LTE: Band 1/3/5 TDD-LTE: Band 38/39/40/41
SIM Card Slot	Standard Drawer Layout Interface(like cellphone SIM card slot)
Communication Protocol	TCP/UDP Protocol
Emitting Power	GSM900-2W、DCS1800-1W
Receiving sensitivity	-100dBm
Antenna interface	Standard SMA female antenna interface, characteristic Resistance 50Ω
Line Transmit Distance	1.5KM
Work Temperature	-40°C to +85°C
Dimension	185×155×30mm (Not Including Antenna)
Weight	1.2Kg (Not Including Antenna)

6. PC Remote Monitoring Software:

This PC software is being with good human to machine interface,make it is easy to operate.It can realize the all smart street light monitor function you want,such as overall data query,light remote turn on/off,lighting parameter query and set,broken alarm and historical record query,lamp install location query and user administration function.



1. Query Data



2. Set turning on/off lights



3. Query Parameters



4. Set Parameters



5. Broken Alarm



6. Users Admin



7. Lamp Location



8. Historical Report