

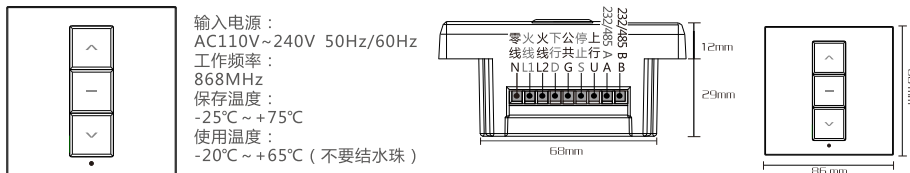
A9中控中转发射器说明书

公司保留更改产品设计与说明书的权利，届时将不另行通知，图片仅供参考，具体以实物为准。

A/1 H12090

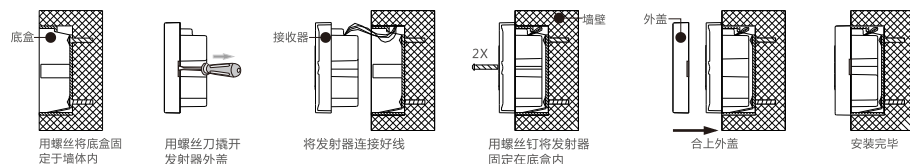
产品特性

A9中控中转发射器通过868MHz的无线射频传送，接收距离可达100米以上(可视)，穿隔两面加固混凝土墙至少30米。868MHz频率在无线通信中有抗干扰能力强、接收灵敏度高、中心频率稳定、调试方便等特点。



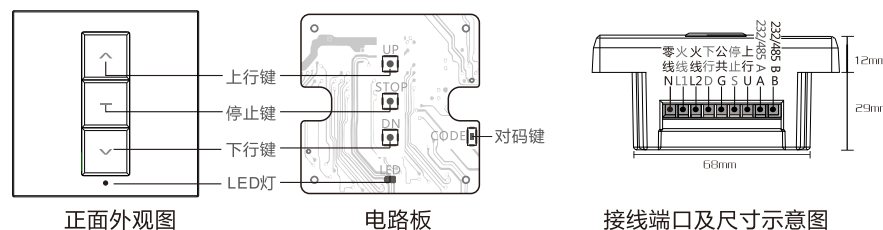
安装示意图 (最佳安装高度: 150cm)

1. 请勿使发射器接触金属物体 (接触会影响无线电波的传播)
2. 发射器与地面之间的最短距离: 150 cm;
3. 发射器与屋顶之间的最短距离: 30 cm;
4. 发射器与接收器之间的最短距离: 30 cm;
5. 两个发射器之间的最短距离: 20cm。



发射器面板按键及内部电路板说明

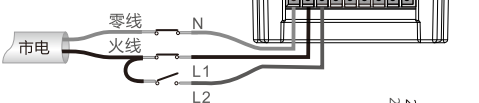
注: N、L1、L2为供电端口; D/G/S/U为外接干触点端口(外接按键端口); 232/485A、232/485B为串口232/485控制端口。



发射器接线图

强电控制接线方法

单线控制

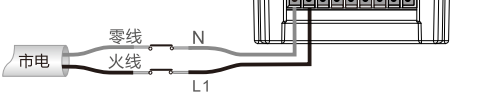


双线控制

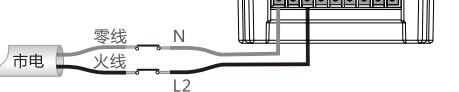


标准供电控制接线方法

方法一

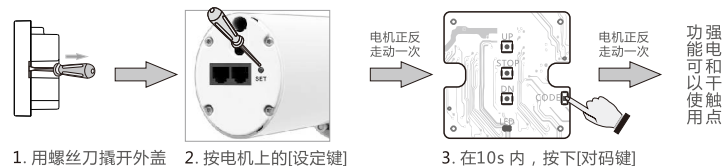


方法二

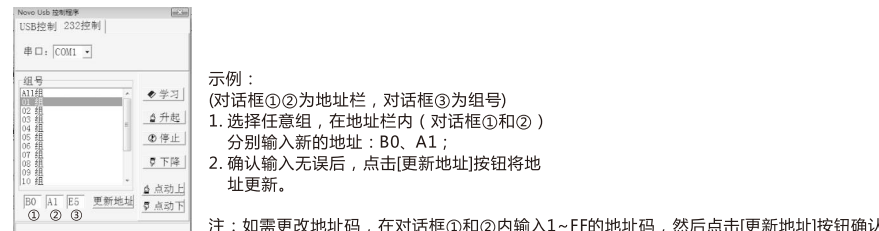
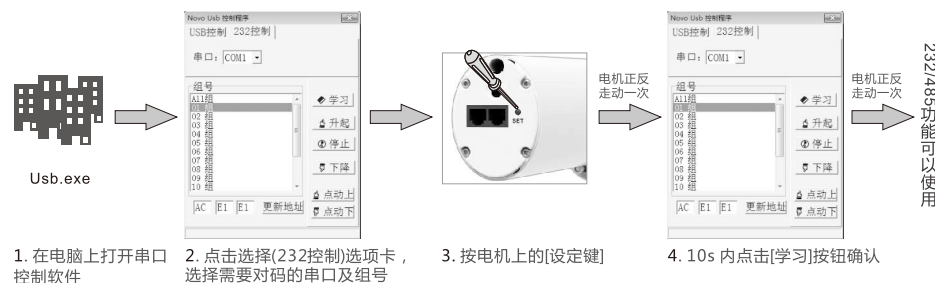


编程操作方法 (以N18开合帘电机为例进行操作说明, 其它电机请参考相应说明书)

发射器上对码设置: 电机与中控中转发射器配对, 电机与中控中转发射器对码后才可以控制电机。* 重复对码操作即可消码



电脑上对码设置: 电机与串口控制软件配对, 电机与串口控制软件对码后才可以控制电机。* 重复对码操作即可消码



中控设置 (注意: 当发送完数据后,要把232/485端口关掉以免有数据干扰接收。)

PC串口通信参数设置

PC采用 16 进制发送, 232/ 485 端口参数设置: 波特率 2400, 校验位“无”, 数据位8位, 停止位1位, 一个数据串要连续发送2~3次, 中间间隔300mS, 以保证接能可靠的接收到数据。

通信数据格式

通讯协议控制指令为5个字节的16进制表示的指令。

数据包格式: 0xFF, D1, D2, D3, Contr。

0xFF: 头码

D1,D2: 地址码 (D1 = 0x01~0xFF, D2 = 0x01~0xFF)

D3: 组号 (D3 = 0x01~0x0F(0x05为群控))

Contr: 指令码 0xAA=对码, 0xCC=停止, 0xDD=上行, 0xEE=下行, 0xD1=上点动, 0xE1=下点动

示例: 地址: A1B2; 组号: 01; 指令: DD(上行)

发送的数据包: FFA1B201DD。

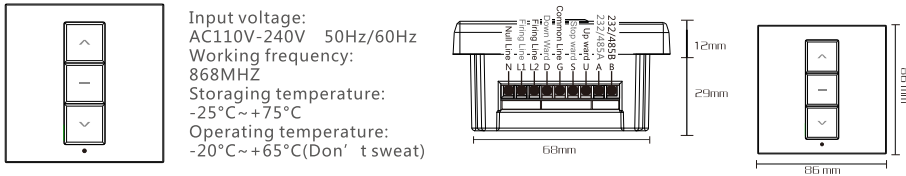
A9 Central Control Transfer Transmitter Operating Manual

Company reserves the right to change product design and specifications without prior notice then , photos are for reference only.

A/1 H12090

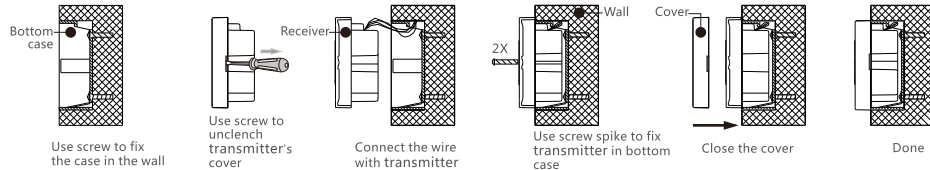
Product Features

A9 Central Control Transfer Transmitter use 868 MHz radio frequency ,Receive distance is above 100m(visual range), two reinforced concrete wall at least 30 m.868 MHz radio frequency with a strong anti-jamming capability, high receiving sensitivity, stable centerfrequency and convenient debugging, etc function in wireless communications.



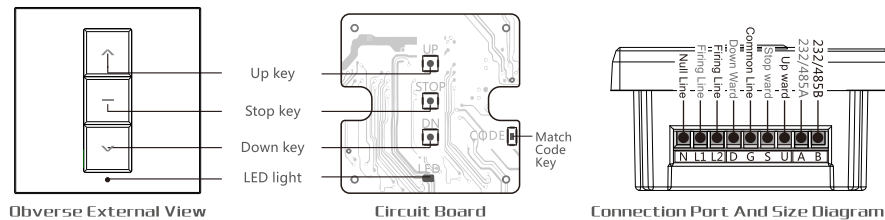
Install Sketch Map

- 1.Can not bring transmitter into contact with metal object (otherwise will influence radio transmit)
- 2.Shortest distance between transmitter with ground: 150cm
- 3.Shortest distance between transmitter with roof: 30cm
- 4.Shortest distance between receiver with transmitter: 30cm
- 5.Shortest distance between 2 transmitter: 20cm

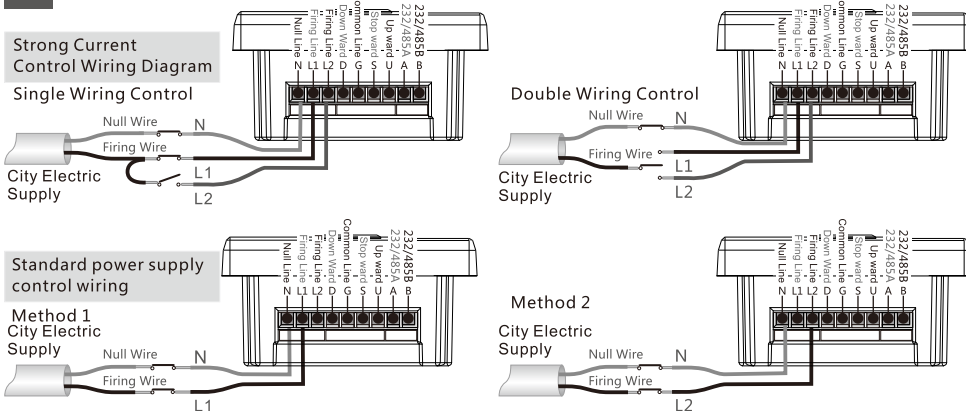


Transmitter Panel Key And Internal Circuit Board

Note: N, L1, L2 are power supply ports ; D/G/S/U are dry contact port(External key port) ; 232/485A、232/485B are Serial port 485 control port.



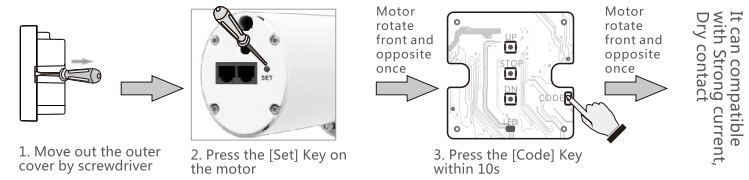
Wiring Diagram



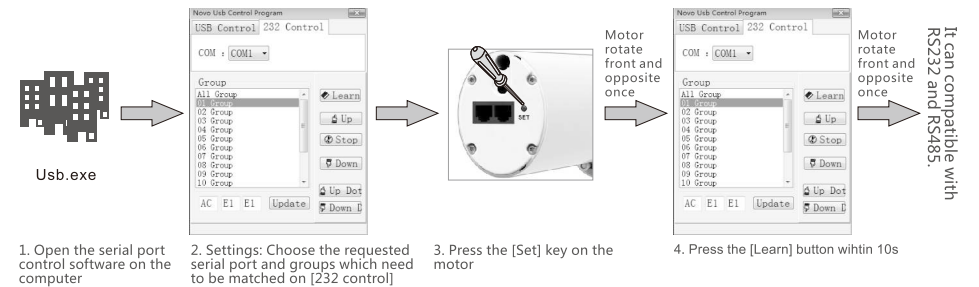
Programming operation method

(FOR EXAMPLE: N18CUERAIN MOTOR, other MOTOR please refer relevant instructions)

Match Code On The Transmitter: The transfer device and transmitter match with motor;it can control the motor after match the code between motor and transfer device transmitter. *Repeat the operation of match code can be cancel code.



Setting Match Code On The Computer : The motor can be controlled after matching code with a serial port control software. *Repeat the operation of match code can be cancel code.

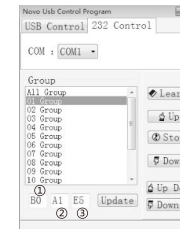


1. Open the serial port control software on the computer
2. Settings: Choose the requested serial port and groups which need to be matched on [232 control]
3. Press the [Set] key on the motor
4. Press the [Learn] button within 10s

FOR EXAMPLE:

(Dialog ① address bar, the dialog box for the group number ③)

1. Select any group in the address bar (dialog ① and ②)
Enter the new address are: B0, A1;
2. Confirm input is correct, updates the address by click [Update] button



Note: If it need to amend address code,input 1~FF on the head of two messagebox and click the [Update] button.

Center control settings

(Note : After sending the data, it have to turn off the 232/485 port, in order to avoid interference received data.)

PC serial port communication parameters setting

PC using hexadecimal sent 232 / 485 port parameter settings: baud rate 2400, parity bit "none", data bits 8 , stop bit 1, a data string to send 2 to 3times in a row, interval 300mS, in order to ensure reliable access to the data received.

The communication data format

Communication protocol control instruction is 5 bytes of hexadecimal instruction

Packet format: 0xFF, D1, D2, D3, Contr.

0xFF: first code

D1, D2: address code (D1 = 0x01 ~ 0xFF, D2 = 0x01 ~ 0xFF)

D3: group number (D3 = 0x01 ~ 0x0F (0x05 for the group control)

Contr: 0xAA = setting code, 0xCC = stop, 0xDD = up, 0xEE = down, 0xD1 = up jogging, 0xE1 =down jogging

Example: Address: A1B2; group number : 01; Instruction: DD (upstream)

Data transmission: FFA1B201DD..