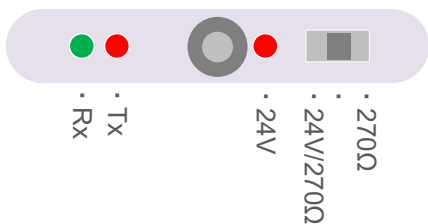


① 产品外观

• 顶部面板



Rx 灯

闪烁: 接收到仪表数据
长亮: 异常, 参考“常见问题”一节

Tx 灯

闪烁: 往仪表发送数据
长亮: 异常, 参考“常见问题”一节

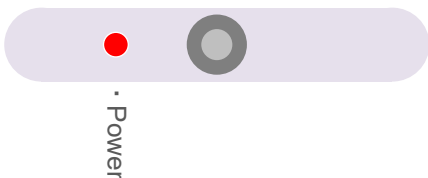
24V 灯

长亮: 24V 正在输出

控制开关

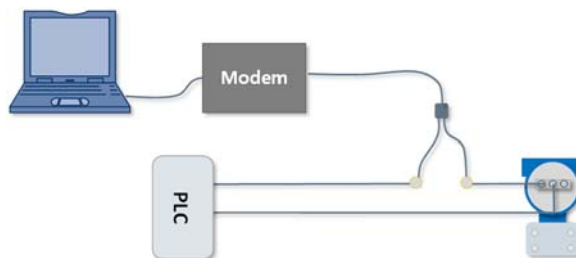
A: 串入 270 欧姆电阻, 不输出 24V
B: 不输出 24V, 不使用 270 欧姆电阻
C: 输出 24V, 并串入了 270 欧姆电阻

• 底部面板



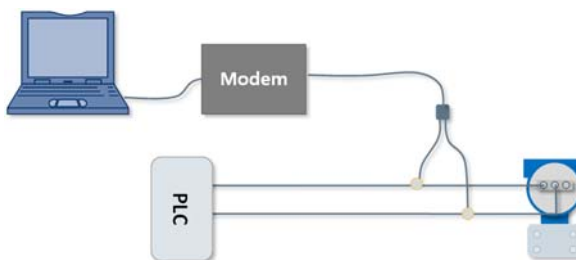
② Modem 连接仪表

• 方式 A 环路电阻不足时, 使用内置 270 欧姆电阻



1. 控制开关拨到位置“270Ω”
2. Modem 串联到仪表环路, 不区分正负极

• 方式 B 一般性场合, 不使用内置 24V 电源以及内置环路电阻



- 一般场合 (有外接电源, 环路电阻大于 270Ω)
1. 控制开关拨到中间位置
 2. Modem 直连到仪表, 不区分正负极

• 方式 C 使用 Modem 内置 24V 供电



1. 控制开关拨到位置“24V/270Ω”
2. 连接仪表时注意正负极性

注意, 因四线制仪表具有独立的供电接口, 请勿用 Modem 给其供电。

③ 查看 Modem 串口号

• 安装驱动

1. 确定电脑的系统类型是 X86 还是 X64 (开始菜单->右键点击“计算机”->点击“属性”->查看“系统类型”)
2. 在光盘中找到对应的驱动, 如果是 64 位操作系统, 安装 CP210xVCPIInstaller_x64.exe, 如果是 32 位操作系统, 安装 CP210xVCPIInstaller_x86.exe
3. 驱动安装后, 建议重启一次电脑。

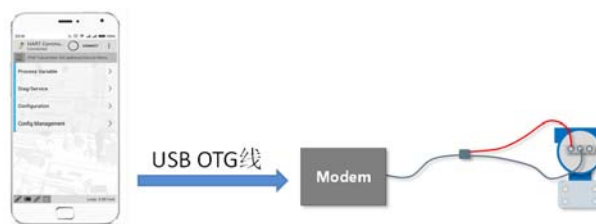
• 查看串口号

开始菜单->右键点击“计算机”->点击“管理”->点击“设备管理器”->双击“端口 (COM 和 LPT)”, 串口驱动的名称如下方框所示, 以 Silicon labs 开头, 下图示例的串口为 COM4。



④ 安卓 HART 软件首次使用步骤(仅 RSM295)

1. 在产品外壳上扫二维码或输入网址获取安卓 APP。
2. 使用附带的 USB OTG 线连接 Modem 和手机。
3. 在 APP 主界面点击“下载授权”进行授权文件的下载。



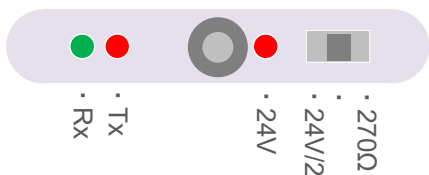
⑤ 常见问题

- 启动时 24V 灯不亮
 - 为了安全起见, 设备启动时, 如果 24V 开关处于使能状态, 24V 输出并不会起作用。
 - 将控制开关拨到其它档位再拨回到位置 C 即可使能 24V。
- 扫描不到仪表
 - 如果表头没亮, 说明连线有问题, 请重新检查连线。
 - 请检查开关位置是否正确。
 - 驱动安装后是否重启了一次电脑。
 - HART 软件是否选择了正确的 COM 端口号。
 - 联系厂家帮助解决。

RSM295 HART Modem

① Panel

• Top



Rx LED

Flash: Receiving data from transmitter
Solid: Abnormal, refer to "FAQ"

Tx LED

Flash: Sending data to transmitter
Solid: Abnormal, refer to "FAQ"

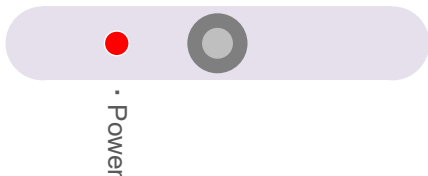
24V LED

Solid: Outputting 24V DC

Switch

Left: Enable 24V DC output and built-in resistor
Middle: Disable 24V and built-in resistor
Right: Disable 24V, enable built-in resistor

• Bottom



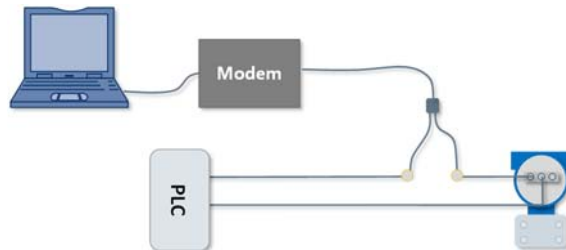
② Connection

• Type I, Use the built-in power supply.



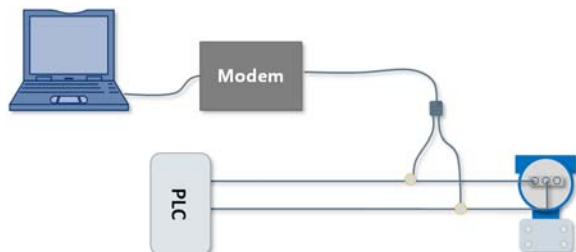
1. Toggle switch to " 24V/270Ω" position.
2. Pay attention to the positive and negative pole hooks.
3. please do not use Modem to the power supply 4-Wire transmitter.

• Type II, wire resistance < 250Ω



1. Connect in loop in series, Polarity insensitive
2. Toggle switch to right (270Ω) position

• Type III, Field power supply, Wire resistance > 250Ω



1. Connect modem to transmitter power terminals, Polarity insensitive
2. Toggle switch to middle position

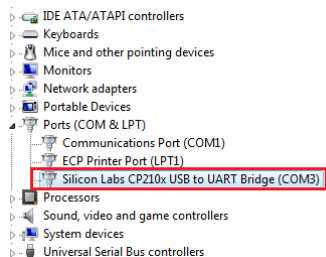
③ Check COM No. of the Modem

• Install Driver

1. Check your system type firstly as below: "Start" -> Right-click "Computer" -> Click "Properties" -> "System"
2. Find USB HART Modem driver in the CD, if your system is X64 Edition, install CP210xVCPInstaller_x64.exe, otherwise install CP210xVCPInstaller_x86.exe.

• Check COM No.

Click "Start" -> Right-click "Computer" -> Right-click "Manage" -> Click "Device Manager" -> Double-click "Ports(COM&LPT)", The driver which is labeled begin with "Silicon Labs" is the USB HART Modem driver, Port No. is COM3 in this example.



④ Android App (RSM295 Only)

- Step1: Scan QR code or input URL on the product shell to download app.
Step2: Use USB OTG line to connect android phone and modem.
Step3: Click "Download License" button on App to download license.



⑤ FAQ

• 24V LED off when start

- For security, modem will not keep 24V DC outputting after reset even though the toggle switch is at "24V/270Ω" position. Please reset toggle switch

• Scan no transmitter

- If the transmitter LCD does not light up, Please check the connections.
- Misuse built-in resistor, Please check resistor toggle switch.
- Restart computer after driver installation.
- HART software choose the right COM port.
- Contact us.