

# 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"

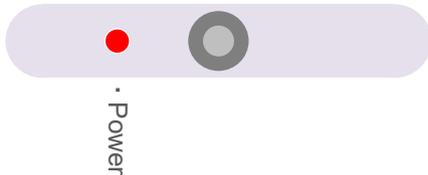
#### 24V LED

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



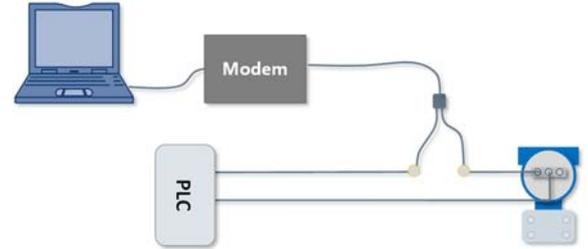
## ② Connection

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



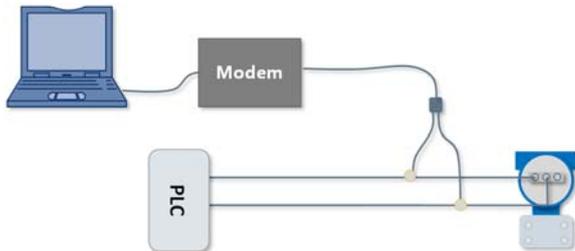
1. Toggle switch to " 24V/270Ω" position.
2. Pay attention to the positive and negative pole hooks.
3. please do not use Modem to the power supply 4-Wire transmitter.

### • Type II, wire resistance < 250Ω



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

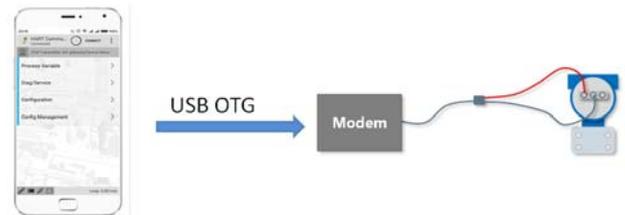
### • Type III, Field power supply, Wire resistance > 250Ω



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

## 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.



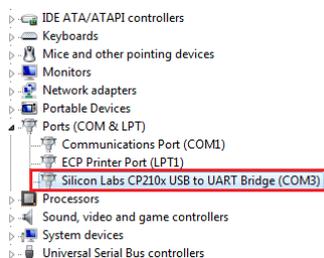
## ③ Check COM No. of the Modem

### • 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.



## 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.