① Panel

- **Top**

· Rx
· Tx
· 24V
· 24V/270Ω
· 270Ω

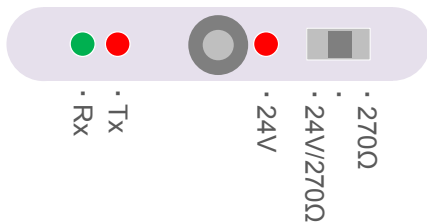 – **Rx LED**
    Flash：Receiving data from transmitter
    Solid：Abnormal, refer to "FAQ"
  – **Tx LED**
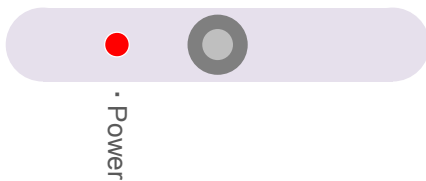   Flash：Sending data to transmitter
    Solid：Abnormal, refer to "FAQ"
  – **24V LED**
    Solid：Outputting 24V DC
  – **Switch**
    Left：Enable 24V DC output and built-in resistor
    Middle：Disable 24V and built-in resistor
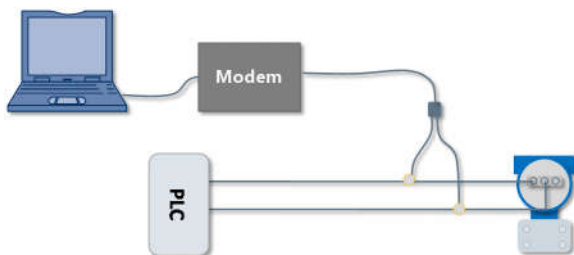   Right：Disable 24V, enable built-in resistor

- **Bottom**

· Power

  – **Power LED**
    Solid：Powered on

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
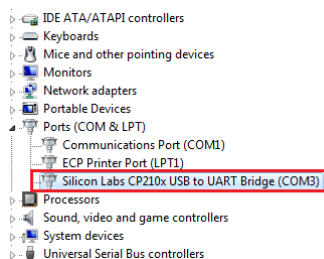 2. Toggle switch to middle position

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.
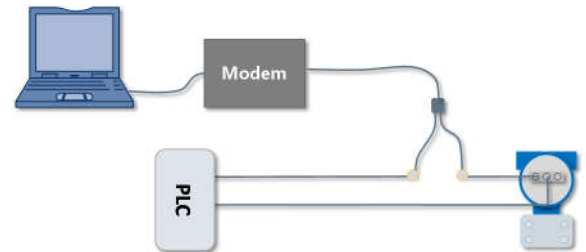

④ Android App

  – Please scan QR code on the product shell to download app.
  – Use USB OTG line to connect android phone and modem.
  – If your modem does not support android APP, also can contact the manufacturer to upgrade.

⑤ FAQ

- **Rx, Tx LED both turn on**
  – 24V DC output is under protection mode, Please reset toggle switch
  – For security, modem will not keep 24V DC outputting after reset even though the toggle switch is at "24V/270Ω" position, Under this situation, the Rx, Tx LED will both turn on indicating abnormal status.
- **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.

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