RS-232 To RS-422 / 485

Model no. SC485SN

DC Power Input

Serial Port RS422/485

LED Indicators

Serial Port RS232

4th Edition, Nov. 2011

Specification

- ## RS-232:
  Connector: Male DB9
  Signals: TxD, RxD, GND
  Loop back: RTS to CTS is shorted; DTR to DSR and DCD is shorted
  Baud Rate: 300 bps to 115.2 Kbps
  ESD Protect: 15 KV

- ## RS-422/485:
  Connector: Terminal
  RS-422 Signals: TxD+, TxD-, RxD+, RxD- (Surge Protect)
  RS-485 Signals: Data+, Data- (Surge Protect)
  Mode: 4-wire RS-422, 2-wire RS-485 (Select RS-422 or RS-485 by DIP Switch)
  Pull High/Low: 1K/1K Ohm

- ## COM Port Power:
  Input Power: RS-232 Port Power, TxD, RTS, DTR

- ## External Power Adapter:
  Power Protect: YES
  Power: 5~7V DC
  Power consumption: 20 mA @ 5V DC (termination disabled)

- ## Signal LED: Tx, Rx

- ## Distance: up to 4,000 feet (1,250 M)

- ## Dimension: 55 x 40 x 25 mm (W x D x H)

- ## Weight: 35 gm

- ## Environment
  Operating Temperature: 0~60℃
  Storage Temperature: -20 to 85℃
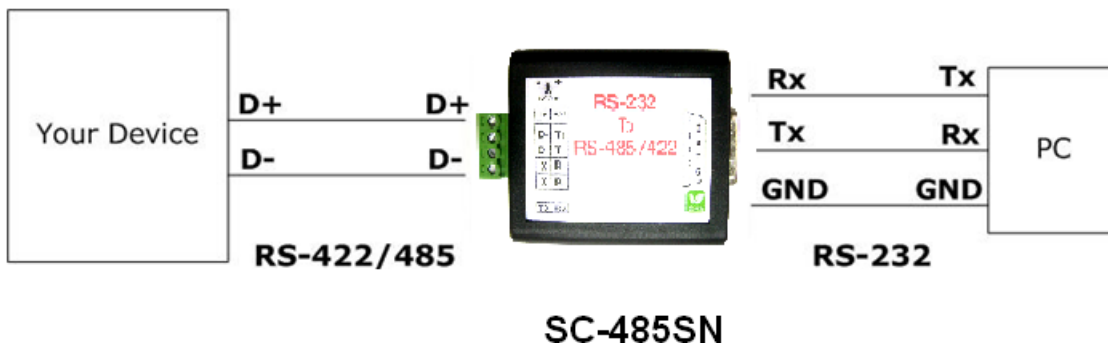 Humidity: 5~95 % RH

Wiring Diagram

□ **Point To Point: RS-422 Full-duplex (4 wires)**
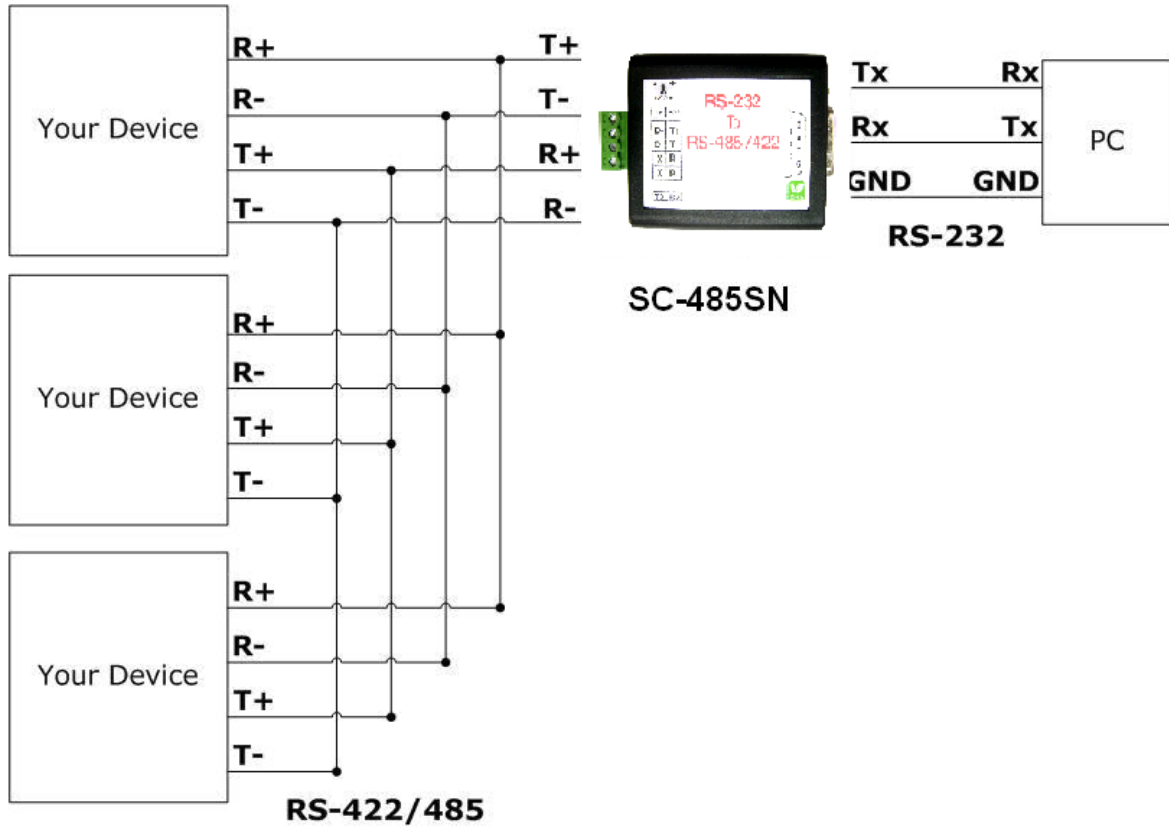
DIP switch please select "FULL".

□ **Point To Point: RS-485 Half-duplex (2 wires)**

DIP switch please select "HALF".

Wiring Diagram

☐ Multi-drop: RS-422 Full-duplex (4 wires)

☐ Multi-drop: RS-485 Half-duplex (2 wires)