SC-422A

User's Guide for the RS232/RS422 converter

SC-422A communication converters can achieve the communication protocols converse between RS232 to RS422. The product delivers TXD and RXD signal, but also supports the handshake signals such as RTS, CTS, DTR, DSR, and so on. This product small size, no external power supply, not relies on serial port initialized to power. This product's appearance designed as DB25/DB25 adapter box. The DB25 (Hole Block) is set as RS232 interface , directly connect with the 25 pins RS232 socket, or connect with the 9 pins RS232 socket by a 9pins-25pins convert. And its corresponding signal is as follows:

Main technical parameters:

1. Power: without an external power supply and the serial port don't need initializes

2. Telecommunications rate: 57.6 Kbps

3. Transmission Line: 0.75 mm2 or more, ordinary or twisted pair wire

4. Work: full-duplex transmission difference

5. Dimensions: $60 \times 50 \times 17$ (DB25)

6. Weight: 50 grams (DB25).

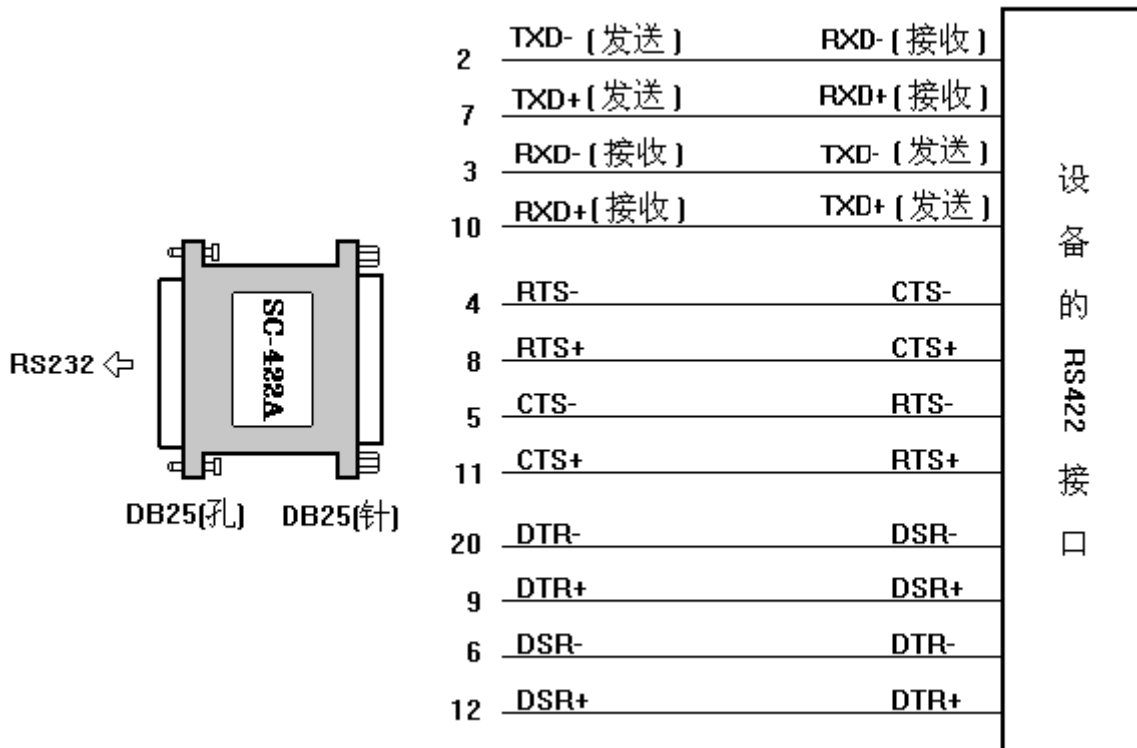7. Temperature: -20 ~ +70 ℃.

8. Humidity: 0 to 95%.

Note: This product is filling plastic seal before manufactured; the quality problems will not be responsible

for manufacturers if user open it.

Software:

Because of the unique serial Fault Tolerant technology, this product doesn't need to initializes RS232

serial port to get power. So it's applicable to all communications software, plug and play. You don't need

to make any changes on software when using this product.

Wire:

Connect the DB25 (Hole Block) with the Serial ports RS232(25pins), or with a 9pins-25pins converter connect between the RS232(9pins) and the DB25 (Hole Block).And the other end (RS422, needle Block) connect with the product follow the law as following :" Send to receive, receive to sent, positive to positive and negative to negative, " As the Figure:

Note: No end resistance is needed to this product. A 9 to 25 cable is distributed with the product