User's Guide for SC-20 RS232/TTY converters

SC-20 communications converters can achieve the communication protocols converse between

RS232 and TTY (20mA current Central). 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

DB25F (Hole Block) connect to RS232 (25pins) directly. If the RS232 socket only has 9 pins, a

9pins-25pins converter between the RS232 socket and DB25F is needed. Its corresponding connection is as

follows:

Technical parameters:

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

2. Telecommunications distance: more than 100 meters (9600 bps)

3. Telecommunications rate: 0 - 9600 bps adaptive.

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

5. Work model: full-duplex current loop transmission and can inhibit the lightning interference.

6. Dimensions: $60 \times 50 \times 17$.

7. Weight: 40 g.

8. Temperature: -20 ~ +70 ℃.

9. 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 this product doesn't need to initializes RS232 serial port to get power, it's applicable to all

communications software, plug and play. You don't need to make any changes on software when using this

product.

Wiring:

Connect the DB25F (Hole Block) with the RS232 serial port, and set the BD25M (needle Block) as the

current loop-interface. Cables used to connect to the current central interface of the equipment. As the

Figure: