IC-232 Converter Operation Manual (Preventing thunder)

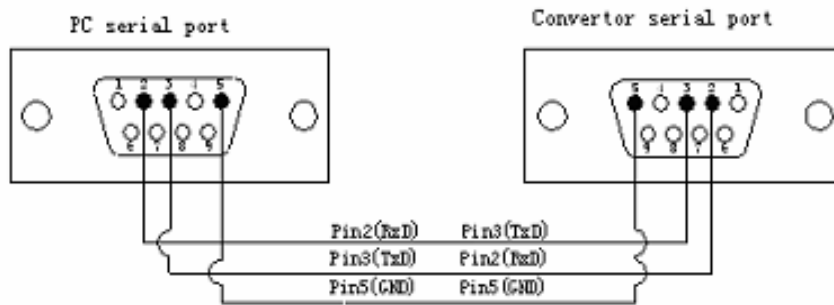**IC-232**

System Features

1. IC-232 is a converter to change the RS232/RS485 data format. Can be used to exchange the data format between PC and the controllers.
2. USB port to get power, easy to be connected.
3. 1 set of IC-232 can be used to support 32 -128 sets of controllers to the network at the same time.

Note: Do not use the same source of power supply for the IC-232 and the electrical door lock to avoid electrical sparkle interference.

Technical Specifications

- Speed: 0-115200bps
- Transmitting range: 1200m.
- Support 1 to 127 nodes.
- Power: 5-12AC/DC
- Operating Current: 200mA (for one reader) / 250mA (for two readers)
- Operating temperature: -50   ~ +70 .
- Humidity: 5%~95%
- Size: 63mm x 93mm x 20mm
- 3 LEDs to display the status.
- Preventing thunder.

Pin definitions

Switch setting and baud rate regulation

A) DIP 1-3: the switch 1, 2, 3 is used to set the baud rate, which to set based on the terminal that connecting with the converter (TC3x0 supports 9600bps only).

Baud rate（bps）	DIP 1	DIP 2	DIP 3	Baud rate（bps）	DIP 1	DIP 2	DIP 3
300	OFF	OFF	OFF	4800	OFF	OFF	ON
600	ON	OFF	OFF	9600	ON	OFF	ON
1200	OFF	ON	OFF	19200	OFF	ON	ON
2400	ON	ON	OFF	38400	ON	ON	ON

B) DIP 4: It is used to set data bit when transmitting.

Switch	State	Function description:
DIP 4	OFF	Standard 11 bits transmitting mode (8,1,1,n modes)
	ON	Auto-checking data bits.

Connecting method

RS-485 connecting: