

Ningbo Longwell Electric Technology CO.,LTD

Yuyao,Zhejiang Province,China 315400

Phone: 86 574 6218 9863

Fax: 86 574 6218 9863

sales@zjlongwell.com

www.longwellfans.com

## Communication format

### 1.1 UART parameters

Start bit: 1 bit

Data bits: 8 bit

Parity completion: 1 bit (Even parity)

Stop bit: 1 bit

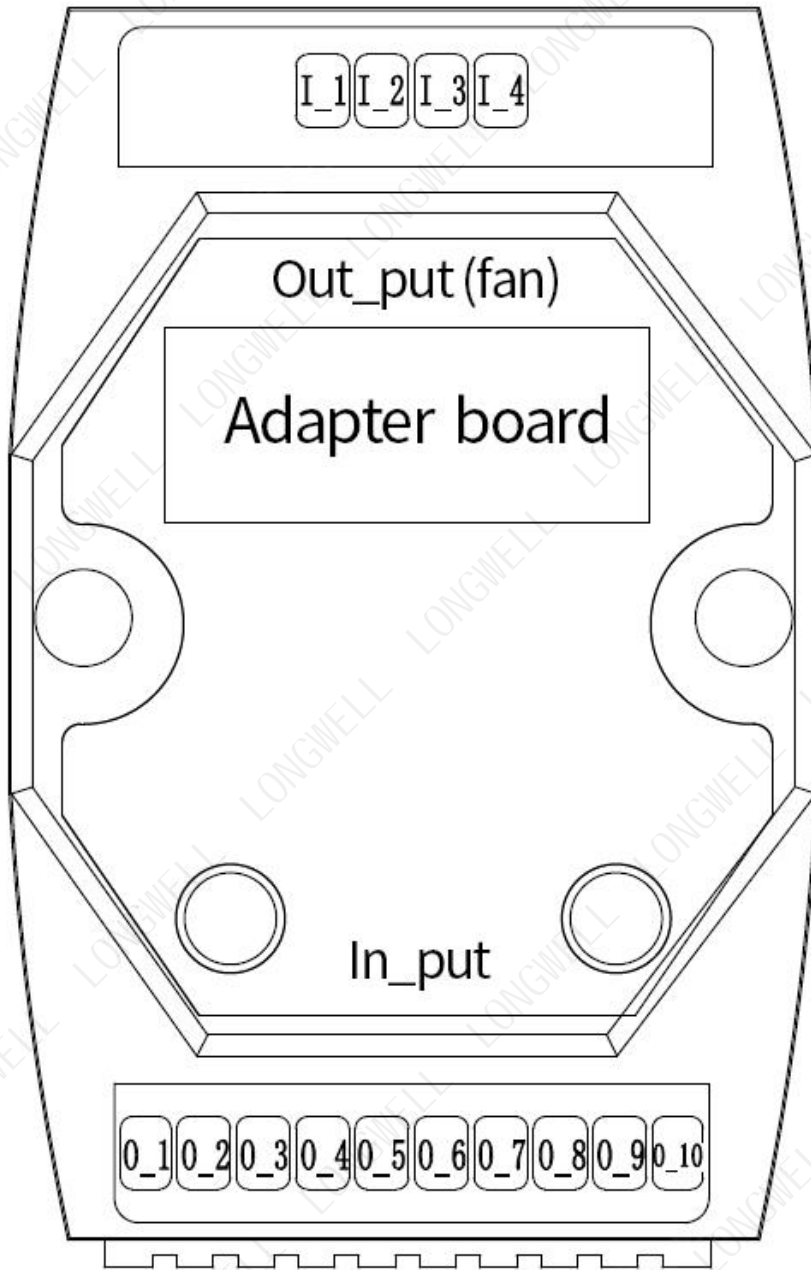
### 1.2 Baud rate:

The factory default baud rate is 9600, which can be set

### 1.3 Frame Checking

A checksum CRC 16 is formed across the entire telegram

Serial Number	Functional instructions	address	Command code	Data (hexadecimal)		CRCL	CRCH	Remark
				high order	before			
1	0X81	0X06	0X0C	0X85	0X03	0XE8	0X84	set up: 1000 rpm; 0X03E8 = 1000rpm Send: HEX: 81 06 0C 85 03 e8 84 0D Return: HEX: 81 06 0C 85 03 e8 84 0D
2	0X81	0X06	0X0B	0X0A	0X00	0X01	0X75	<b>Address settings:</b> 81 06 0B 0A 00 Address setting range: 1- 247 Factory default address:0x81
3	0X81	0X06	0X0B	0X09	0X00	0X00	0XC5	Baud rate setting HEX: 81 06 0B 09 00 02 C5 ED; Address Baud Rate 9600 0x00 0X00 : 2400; 0x00 0X01 : 4800; 0x00 0X02 : 9600 0x00 0X03 : 14400; 0x00 0X04 : 19200 Baud rate setting range: 00-04, factory default 0x00 0X02: 9600;
4	0X81	0X04	0X0C	0X02	0X00	0X00	0X4D	Sending HEX: 81 04 0C 02 00 00 4D 5A Feedback HEX: 81 04 0C 02 02 BC 4D 8B 0X02BC=700, representing the current set speed of 700rpm;
5	0X81	0X04	0X0C	0X03	0X00	0X00	0X1C	Sending HEX: 81 04 0C 03 00 00 1C 9A Feedback HEX: 81 04 0C 03 06 40 1E CA 0X0640=1600, representing the current actual speed of 1600rpm
6	0X81	0X04	0X0C	0X07	0X00	0X00	0X5D	Sending HEX: 81 04 0C 07 00 00 5D 5B Feedback HEX: 81 04 0C 07 00 12 DD 56 0X0001: Fan failure; 0X0002: The fan is normal;



Serial Number	I_1	I_2	I_3	I_4
Function	+10/12VDC	GND	FG	0-10VDC/VSP

Serial Number	O_1	O_2	O_3	O_4	O_5	O_6	O_7	O_8	O_9
Function	+10/12VDC	GND	RS485A	RS485B	NC	COM	NO	VIN +12VDC1	GND1

**CUSTOMER APPROVAL**

**CUSTOMER SIGNATURE:**

**DATE :**