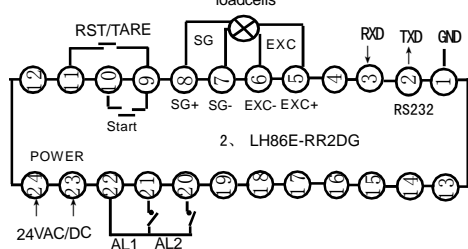
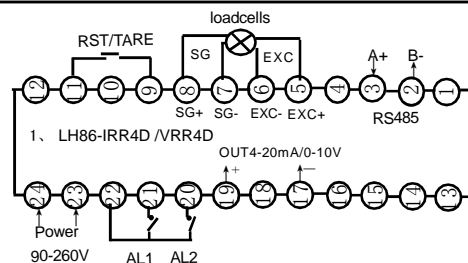
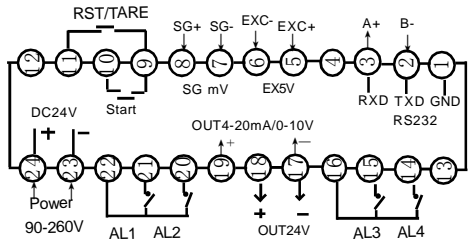




**General Wiring Diagram**

(If any changed, refer the label on the meter).



**Complete products contains**

- ★1 copy of user manual,
- ★1 inspection QC label,
- ★2 installing brackets.

We are responsible for the overall repairment for the failure of manufacturing quality within 12 months since the date of purchase.

More information: PLS Download from: [www.mypinchina.com](http://www.mypinchina.com)

IP/wechat: 86-18689341985, Email: [sale@mypinchina.com](mailto:sale@mypinchina.com)

**Main Products**

- Counter & length meter
- Time relay
- Temperature controller
- Panel meter
- Frequency/Tacho/Line-speed meter
- Proximity sensor Photo-electrical sensor
- Ampere & Voltage Power meter
- Transmitter
- Universal Sensor indicator
- Power adjustor

**Calibration Lock / Unlock**

press UP and Down key until to enter menu

**bAd** Baud Rate  
9.6K Bit/S OR 19.2K Bit/S  
factory:9.6K Bit/S

**PrE** Prt=No,Unlock calibration,  
Prt=YES,lock calibration,Calibration  
operation not allowed (refer PAGE  
1 weight adjustment )

**ScP** Calibration password for factory  
**015**

press UP and Down key until to quit menu

**LH MODBUS USER INSTRUCTIONS**

1 RS485/RS232 MODBUS-RTU Frame data format

Start bit	Data bit	Stop bit	Parity	Baud rate
1	8	1	None	9.6k or 19.2k

2 The format of the data reading and writing is same as standard Modbus protocol.

Definition as follows:

Request:(eg.read weight value ,TX: 01 03 00 E4 00 03 45FC)

01	03	0228(00E4H)	0003	45FC
ADD	COM	PV	Counts	CRC

Response: (eg.RX: 01 03 06 000031FFD800 29 45)

01	03	06	000031FFD800	7166
ADD	COM	Count	PV	CRC

Return data 3 words,take the first 5 bytes from high to low,

PV= 000031FFD8 = INT 00 00 31H(3 Bytes)+ Point

FFD8H(2 bytes) =49+65496(FFD8H)/65536=49.999

If the max bit is 1,it means negative number,reverse data code and add 1,E.g return data PV=FFFF2C CC80

PV=- {00 00 D3 337F(Reverse code)+1}= - 0000D3.3380=-{211(D3H)+13184(3380H)/65536}= - 211.2011

3, Can read OR write 1 parameter only By BCD code every time ,format: H-M-L-Point, E.g 1234.56, TX data code:12 34 56 02,

high byte A?, A='-',B?,b='-'?,:number,E.g , -234.56=TX code:A23456 02, -1234.56=TX code :B23456 02,

writing AL2=1234.56,TX:01 03 00 08 00 02 04 12 34 56 02 08 DE,AL2=-234.56,TX:01 03 00 08 00 02 04 B2 34 56 02 2ADE

4 Clear Tare: Parameter PF1(Address 48H), TX: 01 06 00 48 00 00 09 DC, 01:ID number,,06:COM ,ingnore writing data

5, Commands: 03H: read holding registers parameters 06H: write single holding register parameter value

10H: write multi holding registers parameters value

6, Communication parameters:

Parameters	data address (HEX)	count (words)	functions	Parameters	data address (HEX)	count (words)	functions
PV	E4H	3	weight value,read only	AM3	1CH	1	AL3 alarm, 0:L,1:H, R/W
AL1	00H	2	AL1 control Value, R/W	USP	24H	2	the weight of calibration, R/W
AM1	04H	1	AL1 alarm, 0:L,1:H, R/W	dp	28H	1	PV decimal point, R/W
HY1	08H	2	HY1 control hysteresis, R/W	TRL	2CH	2	Transmit low value, R/W
AL2	0CH	2	AL2 control Value, R/W	TRH	30H	2	Transmit high value, R/W
AM2	10H	1	AL2 alarm, 0:L,1:H, R/W	SFt	34H	1	software filtering Value,R/W
HY2	14H	2	AL2 AL3 control hysteresis, R/W	Unt	35H	1	weight unit, 0: g, 1: Kg, 2: T, R/W
AL3	18H	2	AL3 control Value, R/W	Add	36H	1	ID address, 0-255, R/W