

RS485 Remote- Control Panel Factory- Default Parameter Setting (21- Item)

Instructions for Panel Factory- Default Parameter Setting

1. To configure factory- default parameters: power off the unit, hold down the START button, then power the unit back on.
2. The upper voltage digital tube displays the setting index number; the lower current digital tube displays the setting parameter value.
3. Use the Time- Up and Time- Down buttons to switch between index numbers.
4. Adjust the corresponding- index- number parameter via the pulse potentiometer.
5. After configuration, press the Segment- Select switch button to save and lock the settings. The digital tubes will show "----" .
6. Power- cycle the unit to activate the new parameters. Refer to the attached table for detailed parameter descriptions.

Selected Parameter (Shown on Current Digital Tube)	Parameter Setting (Shown on Voltage Digital Tube)	Supplementary Notes
00	01~32	Power supply communication address
01	Power auto- compensation selection 00 = Auto- compensation OFF (for factory setup) 01- 99 = Compensation ON; slow- ramp time: 1- 200 s 2 = Lock auto- mode (auto/manual mode cannot be selected)	
02	Counter unit selection 00 = 0.1 s 01 = 1 s 02 = 1 min 03 = 0.1 A·min 04 = 1 A·min 05 = 0.1 A·h 06 = 1 A·h	
03	Counter operating mode 01 = Power retains original state when counter reaches zero; reset via start- stop switch 02 = Power retains original state when counter reaches zero; reset via start- stop switch or workpiece removal 03 = Power turns off start- switch when counter reaches zero; reset via start- stop switch 04 = Current drops to 1/100 of maximum value when counter reaches zero; reset via start- stop switch or workpiece removal	

04	Alarm time selection (0- 99 s)	Parameters below are factory - preset; normally no user modification required
05	Maximum voltage display setting (works with decimal- point configuration)	For 12 V and lower units: set to 1200 (two decimal places)
06	Maximum voltage setting (works with decimal- point configuration)	Maximum output voltage of the unit
07	Voltage decimal- point selection 0 = No decimal point 1 = One decimal place 2 = Two decimal places	
08	Rated current of internal power- supply shunt (works with decimal- point configuration)	Example: 200 A shunt is set to 2000 (one decimal place)
09	Maximum current setting (works with decimal- point configuration)	Maximum output current of the unit
10	Current decimal- point selection	Same rules as voltage decimal - point setting
11	Pulse potentiometer type selection 0 = Left- hand rotation 1 = Right- hand rotation	
12	Current- reduction percentage: 0- 50	
13	Operating- segment count selection: 1- 20	
14	External counter unit selection (1 → A·min; 60 → A·h)	

15	Communication mode selection 0 = Modbus RTU 1 = Internal checksum protocol (for legacy management boards without touch screen) 2 = Internal CRC check protocol (for new-generation management boards with touch screen) 3 = Hard- anodizing communication protocol (for touch- screen version dated Oct- 2017)	
16	0 = Normal overcurrent / over- temperature protection 1 = Swap overcurrent / over- temperature protection 4 = Liyuan protocol, start- stop positive logic 5 = Liyuan protocol, start- stop inverse logic	
17	Baud- rate selection (valid only for communication mode 0) 0 = 9600 1 = 19200 2 = 38400 3 = 57600	
18	Parity- bit selection 0 = No parity 1 = Odd parity 2 = Even parity	
19	Over- voltage protection threshold 0 = Rated- voltage threshold; 0 disables protection	
20	Commutation transition time (unit: 0.1 s); 0 = Commutation function disabled	

21	Cycle- timer selection 0 = No cycle 1 = Cycle enabled (modifies items 3 and 4)	
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