

2008Series MC Based Digital Controllers

Technical parameter

Input Voltage: AC220V+10-15%(50Hz $\pm$ 2Hz)

Power: $\leq$ 5w

Input signal: 4~20mA, 0~10mA, 0~20mA, 0~5V, 1~5V

Range: -1999~9999

Accuracy: 0.2%FS $\pm$ 1 or 0.5%FS

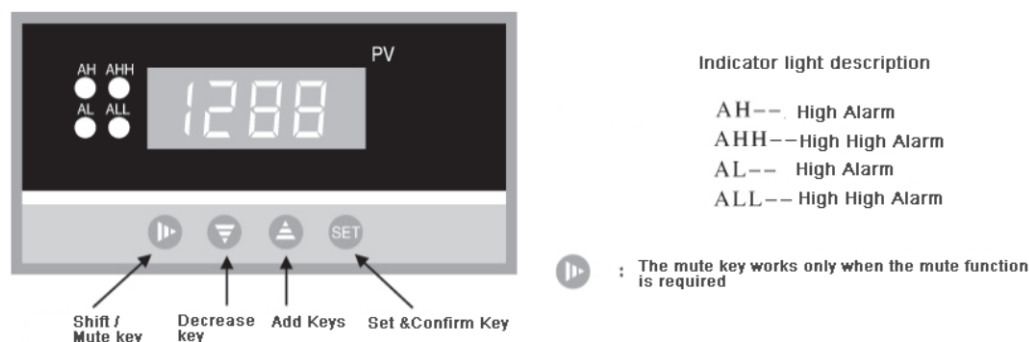
Resolution ratio: 1, 0.1, 0.01 or 0.001

Temperature compensation: 0~50

Light column display accuracy: 1%

Control mode: ON / OFF return difference

Key description



	Name	Content
Operation key	 Set / confirm key	- Under normal state, press and hold this key for 3 seconds to enter the parameter setting state - In the setting state, when the PV window displays the parameter value, press to open the data content of the page - In the setting state, when the PV window displays the parameter value, press to save the setting data - In the setting state, press and hold this key for more than 3 seconds to exit the parameter setting state
	 Shift key Mute key	In the setting state, when the PV window displays the parameter setting value, press to move the flashing cursor one bit to the left, and press this key to silence when the buzzer alarms.

	 Add Keys	● In the setting state, when the PV window displays the parameter prompt, press to return to the previous parameter prompt. ● In the setting state, when the PV window displays the parameter value, press, and flashing, the value will be increased by one.
	 Decrease key	● In the setting state, when the PV window displays the parameter prompt, press to return to the previous parameter prompt. ● In the setting state, when the PV window displays the parameter value, press the button, it will flash and the digit value will be reduced by one.
Display	Measured value PV display	Display measured value In the parameter setting state, the display parameters meet the set value
	Measurement value optical column display	Displays the percentage corresponding to the measured value
Indicator Light	High alarm indicator	Light up when high alarm is on
	High limit alarm indicator	Light up when high high alarm is on
	Low alarm indicator	Light up when low alarm is on
	Low alarm indicator	Light up when low low alarm is on

Operation mode

1, Correct wiring

Please refer to the following wiring diagram to link the input, output and power lines, please confirm.

2, Power on the instrument

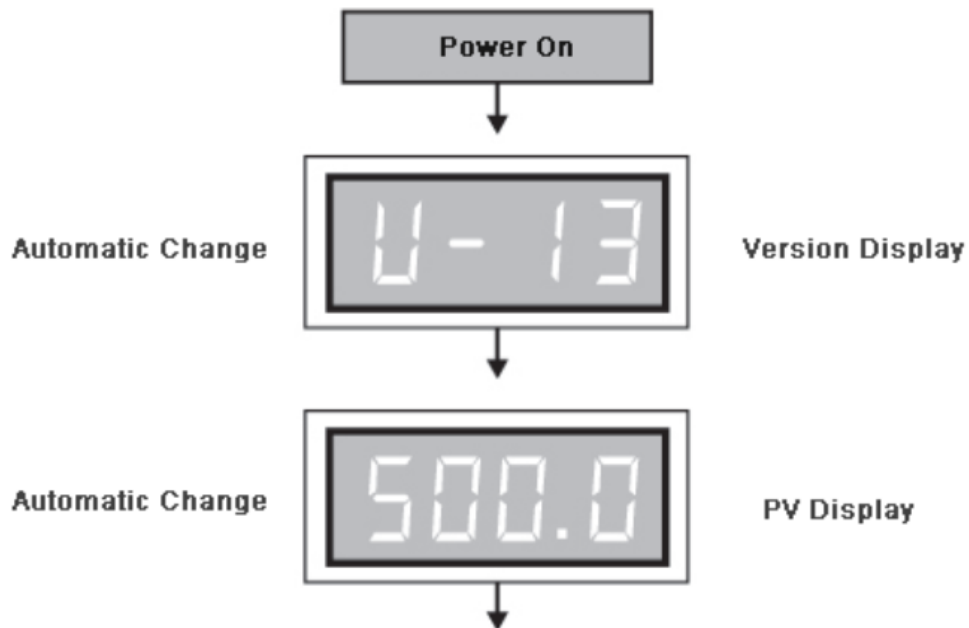
The instrument has no power switch, and it will enter into working state when it is connected to power supply.

3, Display of instrument number and version number

After the instrument is powered on, the instrument equipment number and version can be confirmed immediately.

After the self-test, the instrument automatically turns into the working state, PV displays the current measured value, and the light column displays the corresponding percentage

of the current measured value.



Control parameter setting

1, Control parameters

When the PV measurement value of the instrument is displayed, press the set key to enter the control parameter setting state, and press the key to change the parameters in the following order.

Symbol	Name	Range	Default
AH	High Alarm	-1999~9999	300或50.0
dH	High Alarm Difference	0~9999	02或2.0
AL	Low Alarm	-1999~9999	100或50.0
dL	Low Alarm Difference	0~9999	02或2.0
AHH	High High Alarm	-1999~9999	400或50.0
dHH	High High Alarm Difference	0~9999	02或2.0
ALL	Low Low Alarm	-1999~9999	50或50.0
dLL	Low Low Alarm Difference	0~9999	02或2.0
PASS	Password	PASS=555	00

2, Control parameter setting method

- 1) When PV displays the measured value, press the set key to display the upper limit alarm parameter symbol: ah
- 2) When PV displays ah, press set key, PV displays the set value of upper limit alarm setting parameter.
- 3) When PV displays the first alarm setting value, first press shift key 5, then press increase key to 100.0
- 4) Press the set key to confirm the parameter setting value. After setting the first alarm parameter, press the decrease key to enter the next parameter setting.

Note:

- After setting parameters are changed, press set to confirm the value.
- Make the set value negative, press the set value decrease key to reduce the set value to 0, and then continue to press the decrease key to display the negative value

3, Return to the working state

- 1) Manual return: in the instrument parameter setting mode, press the set key for 3 seconds, and the instrument will return to the measurement state.
- 2) In the instrument parameter setting mode, the instrument will automatically return to the measurement state after 60s without pressing any key.