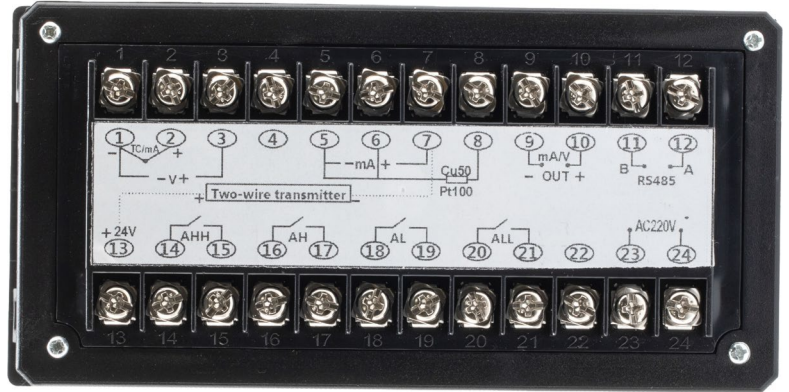
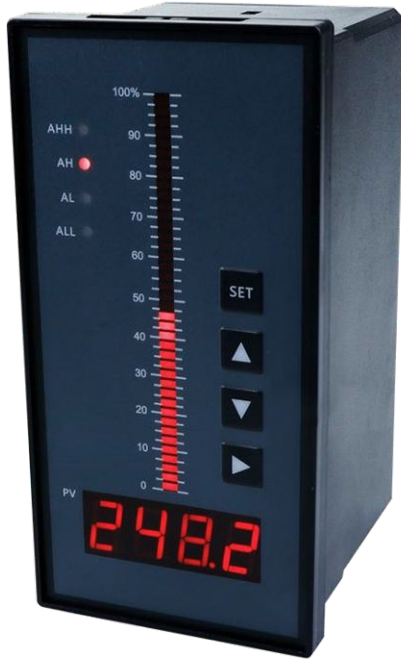


Digital Liquid Level Display and Controller with Single 4-20mA Input and 2 Relay Outputs



Environmental	Relative humidity: ≤85rh Temperature: 0-50 C Avoid exposure to strong corrosive gases
Power supply voltage	220 VAC 10-15% (50Hz±2Hz linear power supply)
Power consumption	≤5W
Meter size	80*160*85mm

PANEL DESCRIPTION



① Alarm state: Displays AHH-upper limit alarm, AH-upper limit alarm, AL-lower limit alarm, ALL-lower limit alarm.		
② Vertical meter display		
③ Numerical display: Shows measured value and parameters when in setting state.		
④ Set key: Used to enter the parameter setting state, confirm the parameter modification, etc.		
⑤ Data increase key	⑥ Data reduction key	⑦ Data shift key

INSTRUCTIONS

Setting parameters

In the basic display state, press the SET key and keep it pressed for 3 seconds to enter the live parameter table. Use \wedge , \vee , $>$, etc. to modify the parameter values, and press the SET key to exit the set-parameter status. Set the pass = 555 to enter the system parameter setting status.

Parameter code	Parameter	Illustrate	Set	Factory default
AH	Upper limit alarm	When the measuring value $PV > AH$ value, the upper limit alarm will be triggered. When the measuring value $PV < (AH-DH)$ value, the instrument will trigger the upper limit alarm.	-1999~9999	300.0
dH	Limited alarm return difference	Also known as dead area, stagnation. The difference is used to avoid frequent misunderstanding of the bit-to-input output due to the fluctuation of the measuring input value.	0~9999	0.0
AL	Lower limit alarm value	When the measuring value $PV < AL$ value, the lower limit alarm will be triggered. When the measurement value is $PV > (AL+DL)$ value, the instrument will stop the lower limit alarm.	-1999~9999	200.0
dL	Lower limit alarm return difference	Also known as dead area, stagnation. The difference is used to avoid frequent misunderstanding of the bit-to-input output due to the fluctuation of the measuring input value.	0~9999	0.0
AHH	Upper limit alarm value	When the measuring value $PV > AHH$ value, the upper limit alarm will be triggered. When the measurement value $PV > (AHH-DHH)$ value, the instrument will be lifted-up to the upper limit alarm.	-1999~9999	400.0
DHH	Upper limit alarm return difference	Also known as dead area, stagnation. The difference is used to avoid frequent misunderstanding of the bit-to-input output due to the fluctuation of the measuring input value.	0~9999	0.0
ALL	Limited alarm value	When the measuring value is $PV < ALL$ value, the lower limit alarm will be triggered. When the measurement value $PV < (al+dl)$ value, the instrument will stop the lower limit alarm.	-1999~9999	100.0
dLL	The lower limit alarm return	Also known as dead area, stagnation. The difference is used to avoid frequent misunderstanding of the bit-to-input output due to the fluctuation of the measuring input value.	0~9999	0.0
PASS	Password parameter	Pass = 555	0~9999	0.0

System parameter table (set PASS = 555, then press the set key to enter)

SN is used to select the input specifications, and the input specifications corresponding to the numerical value are as follows:

Sn	Input specification	Sn	Input specification	Sn	Input specification	Factory parameter
		03	K	15	4 ~ 20mA	15
dot	Decimal	dot= 0		No small number		1
		dot= 1		Ten		
		dot= 2		hundreds		
		dot= 3		Thousand		
PUL	PV quota limit	Set the lower limit of the measurement signal		-999 ~ 9900		0.0
PUH	PV quota limit	Set the measurement of the input signal		900 ~ 9999		500.0
Pb1A	Zero-point migration	Set the migration of the input zero point		Full range		0.0
F1Lt	Filter coefficient	The settings cannot exceed 0.900, otherwise the instrument will make an error		0.100 ~ 0.900		0.100
K1	Input range ratio	Set the large proportion of the input schedule		1 ~ 1.999 times		1.000
OU-A	First change output	Corresponding measurement value is linear output		0u-a = 1 (0 ~ 10mA)		2
				Oua = 2 (4 ~ 20mA)		
OU H	Luminic stroke	Set the measuring light range of the input signal				500.0
PH	Upper limit alarm type	Switch the relay to the constant turnover/normally closed contact		1-high alarm		1
				2-low alarm		
PL	Limited alarm type	The definition is the same as the pH item		Same PH		2
PHH	Upper-limited warning type	The definition is the same as the pH item		Same PH		1
PLL	Limited Bargen Alarm Type	The definition is the same as the pH item		Same PH		2
1nPH	Non-standard signal input	10~1000mV; 10~400Q; 2~300Hz				100.0
1nPL	Maximum	0~90mV; 0~390Q; 0~2998Hz				0.0
1d		Set the mailing address		0~31		1

Examples

Example 1: 0 ~ 5 meters measurement range, 4-20mA output, the water level is greater than 4 meters and the alarm is below 1 meter (in the cm unit)

Parameter	Name	Set value	Remark
SN	Signal input type	15	PUH is the highest amount of transmitter
dot	Signal input decimal point	1	
Pul	Lower limit	0.0	
Puh	Quantifier limit	500.0	
AL	Lower limit alarm	100	
AH	Upper limit alarm	400	

Example 2: Control of water pump. Below 1m the pump activates and shuts off when level reaches 4m.

Parameter	Name	Set value	Remark
Sn	Signal input type	15	PUH is the highest amount of transmitter
dot	Signal input decimal point	1	
PUL	Lower limit	0.0	
PUH	Quantifier limit	500.0	
AL	Lower limit alarm	100	
dL	Lower limit alarm return difference	300.0	

The parameter modification process is as follows:

