Digital display control instrument

Feature

Digital display controller provides easy operation with measurement precision of 0.3%; 7 types of dimensions available; double four-digit LED display, supporting thermocouple, thermal resistance, voltage (extraction operation available), current (extraction operation available), and transducer input; applicable to measurement of industrial process quantifiers including temperature, pressure, flow, liquid level, and humidity etc. Supporting 2-way alarm, 1-way control output or RS485 communication interface adopting standard MODBUS protocol, 1-way DC24V feed output; photoelectric isolation between input, output and power end; 100-240V AC/DC or 20-29V DC switch power supply; standard snap-in installation; operating

Input signal details Table 3

Degree no .Pn	Signal types	measuring range	Degree no. Pn	Signal types	measuring range
0	Thermocouple B	400～1800℃	18	Remote Resistance 0～350O	-1999～9999
1	Thermocouple S	0～1600℃	19	Remote Resistance 3 0～350O	-1999～9999
2	Thermocouple K	0～1300℃	20	0～20mV	-1999～9999
3	Thermocouple E	0～1000℃	21	0～40mV	-1999～9999
4	Thermocouple T	-200.0～400.0℃	22	0～100mV	-1999～9999
5	Thermocouple J	0～1200℃	23	-20～20mV	-1999～9999
6	Thermocouple R	0～1600℃	24	-100～100mV	-1999～9999
7	Thermocouple N	0～1300℃	25	0～20mA	-1999～9999
8	F2	700～2000℃	26	0～10mA	-1999～9999
9	Thermocouple Wre3-25	0～2300℃	27	4～20mA	-1999～9999
10	Thermocouple Wre5-26	0～2300℃	28	0～5V	-1999～9999
11	RTD Cu50	-50.0～150.0℃	29	1～5V	-1999～9999
12	RTD Cu53	-50.0～150.0℃	30	-5～5V	-1999～9999
13	RTD Cu100	-50.0～150.0℃	31	0～10V	-1999～9999
14	RTD Pt100	-200.0～650.0℃	32	0～10mA square	-1999～9999
15	RTD BA1	-200.0～600.0℃	33	4～20mA square	-1999～9999
16	RTD BA2	-200.0～600.0℃	34	0～5V square	-1999～9999
17	Linear resistance 0～500O	-1999～9999	35	1～5V square	-1999～9999

Table 2

Protocol mode code	0	2	4	8	9
Describe	without	RS-232C	RS-422	RS-485	Special customization

Table 3

Code	0	1	2	3	4	5	6
Describe	without	Relay	4-20mA	0-10mA	1-5V	0-5v	Special customization

Model Selection Catalog

Model	Code	Describe
JD-		
Exterior features	C	horizontal
	S	vertical
Exterior SIZE	1	48*48mm
	4	96*48mm(vertical),48*96mm(vertical)
	7	72*72mm
	8	160*80mm(vertical),80*160mm(vertical)
	9	96*96mm
Control relay selection	01	Just show the measured value
	03	Dual relay control(High and low control)
	04	Four way control
Protocol mode		Read protocol form Table 1
output signal		Read output mode Table 2
Input signal		Read input mode Table 3
First alarm mode	N	Alarm free
	H	upper operating range control alarm
	L	lower operating range control alarm
Second alarm mode	N	Alarm free
	H	upper operating range control alarm
	L	lower operating range control alarm
Feed output	P	DC24V
Power supply mode	W	DC24V
	T	AC22V