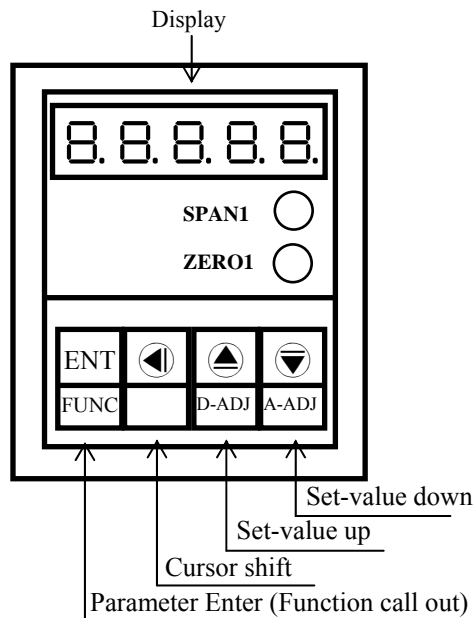


■ FEATURES

- ⊙ Accept more thermocouple type(K,J,E /R,S/B,T)
- ⊙ Accuracy 0.2% F.S.±0.5℃
- ⊙ Sensor error compensation and burnout protection
- ⊙ One digit decimal point can be modified
- ⊙ CJC traceability < ±0.5℃
- ⊙ UNIT ℃/℉ can be modified
- ⊙ 16BIT DAC analog output can be modified
- ⊙ Display average can be modified(1~99)
- ⊙ 0.40" highlight display
- ⊙ Man-machine interface,easy to operate
- ⊙ EEPROM saving data safekeeping about 10 years
- ⊙ Modified inside parameter must have pass code

■ Name of Parts



Key introduce	Operation Manual
Ⓜ key function	1.In normal display,the key function is call out setting group 2.In parameter setting page,the key function is data ENTER and goto next page
◀ key function	1.Into parameter setting page,the parameter mark&data is alternate display,If need modify data can press ◀ key into setting procedure,The display is lock parameter data,this time must let off key about 0.2 sec ,press again,the cursor (twinkle express)is cycle moving left.(Key response about 0.2 sec.)
▲ key function	In normal display,The key function is call out adjustment display value(DZERO&DSPAN)page 2.Into parameter setting page,the parameter mark&data is alternate display,If need modify data can press ▲ key into setting procedure,The display is lock parameter data,this time must let off key about 0.2 sec ,press again,the parameter data will increment .(Key response about 0.2 sec.)
▼ key function	1.In normal display,The key function is call out adjustment analog output page(AZERO&ASPAN) 2.Into parameter setting page,the parameter mark&data is alternate display,If need modify data can press ▼ key into setting procedure,The display is lock parameter data,this time must let off key about 0.2 sec ,press again,the parameter data will decrement .(Key response about 0.2 sec.)
▲&▼ key function	In setting group or setting page press▲&▼key return normal display,but if in setting page the modify data will be lost
No key in anything	In setting group or setting page no key in anything about 2 minutes,return normal display,but if in setting page the modify data will be lost

Step	Parameter Mark Description	Parameter Mark	Operation Manual
1	Normal display	1 2 3 4 5	Press Ⓜ/FUNC key into P.COD setting page
1-1	P.COD(Pass Code input page)	P. C O D	1.Key in 5 digit pass code with ◀&▲&▼ key 2.Press Ⓜkey,the pass code is right into TYPE setting page , otherwise return normal display
		□ □ □ □ □	
1-2	TYPE(Tc Type setting page) Default = K/R/B	ε γ P E	1.Decide Tc type with ▲&▼ key(K,J,E/R,S/B,T) 2.Press Ⓜkey enter data and into DP setting page
		ε	
1-3	DP(Decimal Point setting page)Default = 0	□ P	1.Decide Decimal point with ▲&▼ key(0~1) 2.Press Ⓜkey enter data and into UNIT setting page
		□	

1-4	UNIT(Temp. Unit setting page)Default = °C	U n t E	1.Decide Temp. Unit with ▲&▼ key(°C/°F)
		□ □	2.Press Ⓜ key enter data and into CJC setting page
1-5	CJC (CJC Setting page) Default = ON	□ □ □	1.Decide CJC with ▲&▼ key(ON/OFF)
		□ n	2.Press Ⓜ key enter data and into SAFE setting page
1-6	SAFE(Safe Mode setting page)Default = OFF	S R F E	1.Decide Safe mode with ▲&▼ key(ON/OFF)
		□ F F	2.Press Ⓜ key enter data and into AVG setting page
1-7	AVG (Average setting page) Default = 5	R □ □	1.Decide display average times with ◀&▲&▼key(1 to 99)
		□ □ □ □ S	2.Press Ⓜ key enter data and into ANLO setting page
1-8	ANLO(A/O Zero According to Display setting page) Default=0	R n L □	1.Decide ANLO with ◀&▲&▼key (-19999~19999)
		□ □ □ □ □	2.Press Ⓜ key enter data and into ANHI setting page
1-9	ANHI(A/O Span According to Display setting page) Default=19999	R n H □	1.Decide ANHI with ◀&▲&▼key(-19999~19999)
		□ 9 9 9 9	2.Press Ⓜ key enter data and into CODE setting group
1-10	CODE(Pass Code setting page)Default=0	□ □ □ □ E	1.Decide pass code with ◀&▲&▼key(0 to 19999)
		□ □ □ □ □	2.Press Ⓜ key enter data and into LOCK setting page
1-11	LOCK(Panel Lock setting page)Default=NO	L □ □ E	1.Decide panel lock with ▲&▼key(NO or YES)
		□ □	2.Press Ⓜ key enter data and return TYPE setting page
Step	Parameter Mark Description	Parameter Mark	Operation Manual
2	Normal display	1 2 3 4 5	Press ▲/D-ADJ key about 3 sec, into DZERO adjustment page
2-1	DZERO(Display Zero Adjust ) Default=0	d P E r □	1. Adjustment display zero with ▲&▼key
		□ □ □ □ □	2. Press Ⓜ key enter data and into DSPAN adjustment page
2-2	DSPAN(Display Span Adjust ) Default=0	d S P R n	1. Adjustment display span with ▲&▼key
		□ □ □ □ □	2. Press Ⓜ key enter data and return normal display
Step	Parameter Mark Description	Parameter Mark	Operation Manual
3	Normal display	1 2 3 4 5	Press ▼ key about 3 sec.,into Output2 AZERO adjustment page
3-1	AZERO(Analog Output2 Zero Adjustment page) Default=0	1 2 3 4 5	1.Adjustment analog output2 zero with ◀&▲&▼key(±6000)
		R P E r □	2.Press Ⓜ key enter data and into Output2 ASPAN adjustment page
3-2	ASPAN(Analog Output2 Span Adjustment page) Default=0	□ □ □ □ □	1.Adjustment analog output2 span with ◀&▲&▼key(±6000)
		R S P R n	2.Press Ⓜ key enter data and return normal display
Appendix	Error Mark Description	Error Mark	Analyze & Description
1	Temp. over error detect	d o F L	Temp. over T.C range
2	Temp. under error detect	- d o F L	Temp. under T.C range
3	CJC over error detect	□ o F L	CJC over range(0~100°C)
4	CJC under error detect	- □ o F L	CJC under range(0~100°C)
5	Sensor burnout error detect	□ P E n	T.C or CJC sensor burnout
4	EEPROM error detect	E - □ □	1.External interference when EEPROM read/write
		□ □	2.EEPROM write over 100 million times(guarantee 10 years)
		4 E 5	Please power reset,if still display E-00,doing following step: 1.E-00 & No alternate display for inquire reset EEPROM 2.Decide Yes with ▲or▼key,press Ⓜ key return normal display EEPROM was reset,Please follow step 1-1~1-11 set again

※ Note:When Setting Analog Output2 and Output1,Please setting Analog Output2 with AZERO & ASPAN digital adjustment priority,and then Setting Analog Output1 with ZERO1 & SPAN1 variable resistance adjustment