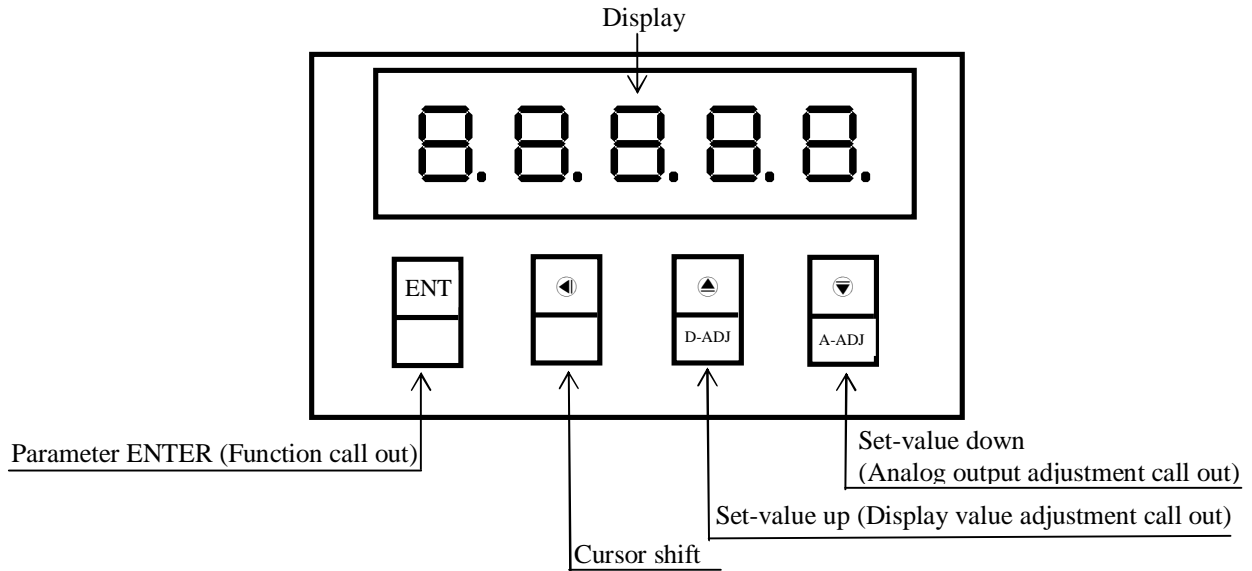


Features

- ⊙Programmable input analog type(MODEL=SMA-T/SSMA-T=V/mV/mA/Pt-100/J/K/T/E//R/S/B)
(MODEL=TW-I=Pt-100/J/K/T/E//R/S/B)
- ⊙Programmable analog output corresponding to the display value(-19999~99999)
- ⊙Programmable decimal point(MODEL=SMA-T/SSMA-T=0~3) (MODEL=TW-I=0~2)
- ⊙When the input type is temperature sensor,Programmable Display unit(°C, °F)

Name Of Parts



Key Introduce	Operation Manual
⊕ Key Function	1.In normal display, The key function is call out setting page 2.In parameter setting page, The key function is data Enter , and go to 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	1.In normal display, The key function is call out adjustment display value DZERO 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 AZERO 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 decrement. (Key Response about 0.2 sec)
▲&▼ Key Function	1.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	1.In setting group or setting page no key in anything about 1 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	1.Press ⊕ key into IN-T setting page
1-1	IN-T(Analog Input Type) Default = Pt-100	1 0 - 1	1.Decide IN-T type with ▲&▼ key MODEL=SMA-T/SSMA-T(V/mV/mA/Pt-100/J/K/T/E/R/S/B)
		P t. 1 0 0	MODEL=TW-I (Pt-100/J/K/T/E/R/S/B) 1.Press ⊕key enter data and into DP setting page
1-2	DP(Decimal Point) Default=0	0 P	1.Decide decimal point position with ▲&▼ key MODEL=SMA-T/SSMA-T(0~3) MODEL=TW-I (0~2)
		0.	2.Press ⊕key enter data and into UNIT setting page Note 1:When Type =V/mV/mA,Press ⊕key enter step1-4 ANLO setting page Note 2:When Type =Pt-100/J/K/T/E/R/S/B, the maximum setting value of DP is 2.When the setting value is greater than 2, the actual display DP is still 2

1-3	UNIT(Temp. Unit) Default = °C	U n i t ° C	1. Decide Temp. Unit with ▲&▼ key (°C/°F) 2. Press Ⓜ key enter data and into ANLO setting page
1-4	ANLO(Analog Output Zero-According to Display) Default=0	A n L o 0 0 0 0	1.Decide ANLO with ◀&▲&▼ key (-19999~99999) 2.Press Ⓜ key enter data and into ANHI setting page Note:Example Rated output 4~20mA,Want to output 4mA when the display value is 4000, the ANLO value to be corrected to 4000
1-5	ANHI(Analog Output Span-According to Display) Default=99999	A n H i 9 9 9 9 9	1.Decide ANHI with ◀&▲&▼ key (-19999~99999) 2. Press Ⓜ key return normal display Note:Example Rated output 4~20mA,Want to output 20mA when the display value is 20000, the ANHI value to be corrected to 20000
2	Normal display	1 2 3 4 5	Press ▲/D-ADJ key about 3 sec. into DZERO setting page
2-1	DZERO(Display Zero Adjust) Default=0	d z e r o 0 0 0 0 0	1.Adjustment display zero with ▲&▼ key 2.Press Ⓜ key enter data and into DSPAN adjustment page Note1:Adjust DZERO value while minimum display value error
2-2	DSPAN(Display Span Adjust) Default=0	d s p a n 0 0 0 0 0	1.Adjustment display span with ▲&▼ key 2.Press Ⓜ key return normal display Note1:Adjust DSPAN value while maximum display value error
3	Normal display	1 2 3 4 5	Press ▼/A-DAJ key about 3 sec. into AZERO setting page
3-1	AZERO(Analog Output Zero Adjustment) Default=0	A z e r o 0 0 0 0 0	1.Adjustment analog output zero with ◀&▲&▼ key(-6000~6000) 2.Press Ⓜ key enter data and into ASPAN adjustment page Note1:Adjust AZERO value while minimum analog output error
3-2	ASPAN(Analog Output Span Adjustment) Default=0	A s p a n 0 0 0 0 0	1.Adjustment analog output span with ◀&▲&▼ key (-6000~6000) 2.Press Ⓜ key return normal display Note1:Adjust ASPAN value while maximum analog output error
Appendix	Error Mark Description	Error Mark	Analyze & Description
1	Display over error detect	d o F L	Display over range (99999)
2	Display under error detect	- d o F L	Display under range (-19999)
3	Input over error detect	, o F L	Input signal over range(Pt-100/J/K/T/E//R/S/B)
4	Input under error detect	- , o F L	Input signal under range(Pt-100/J/K/T/E//R/S/B)
5	CJC over error detect	C o F L	CJC over range(100°C)(J/K/T/E//R/S/B)
6	CJC under error detect	- C o F L	CJC under range(J/K/T/E//R/S/B) MODEL=SMA-T/SSMA-T(0°C) MODEL=TW-I (-20°C)
7	Sensor burnout error detect	o P E n	Thermocouple sensor burnout(J/K/T/E//R/S/B)
8	A/D Converter error detect	A d E r	1. Input signal over range (130%) 2. Inside circuit damage Please remove the input signal,if still display ADER,please contact us
9	FLASH error detect	E - 0 0 n o y e s	1.External interference when Flash read/write 2.Flash write over 20000 times(guarantee 10 years) Please power reset,if still display E-00,doing following step: 1.E-00 & No alternate display for inquire reset Parameter value 2.Decide Yes with ▲key,press Ⓜ key return normal display 3.Parameter value was reset,Please follow step 1~3 set again