

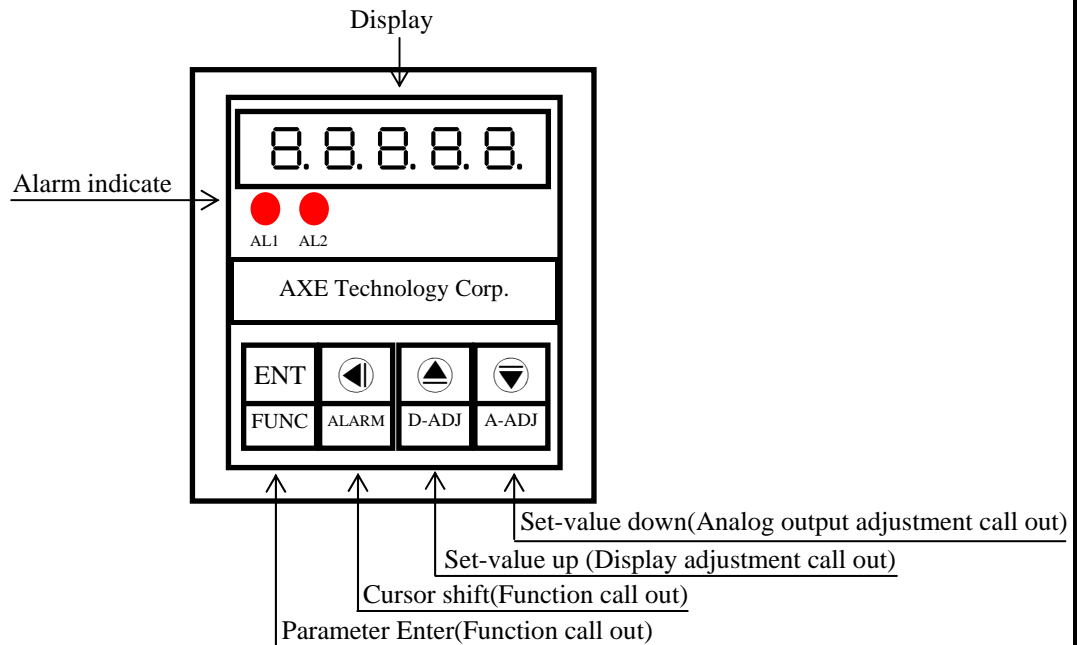
AXE MICROPROCESS ANALOG ALARM RELAY

MAR Series

Features

Measuring DCV/DCA/ACV/ACA/Potentiometer/ Pressure/Load Cell/PT-100 etc	
2 Alarm function	Display average can be modified(1~99)
Accuracy 0.1% FS	0.40" LED highlight display
Decimal point can be modified	Man-machine interface ,easy to operate
Display range -19999~19999 can be modified	EEPROM Saving ,data safekeeping about 10 years
Display LCUT Function	Modified inside parameter must have pass code

Name



Key introduce	Operation Manual		
Ⓜ Key function	1. In normal display, The key is call out setting page 2. In parameter setting page, The key function is data ENTER, and goto next page		
◀ Key function	1. In normal display, The key function is call out alarm value setting page 2. In 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 function	1. In normal display, The key function is call out ZERO&SPAN adjustment page 2. In 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 0.2sec,press again, the parameter data will increment.		
▼ Key function	In 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 0.2sec,press again, the parameter data will decrement.		
◀&▲ Key function	Press ◀&▲ 3second,process AZ(Display value return zero),and non input signal		
▲&▼ 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 page no key in anything about 2 minutes, return normal display		
Step	Parameter Mark Description	Parameter Mark	Operation manual
1	Normal	1 2 3 4 5	Press Ⓜ/FUN key into P.cod setting page
1-1	P.COD(Pass Code) Default=0	P. C O D	1.Key in 5 digit pass code with ◀&▲&▼ key 2.Press Ⓜ key. the pass code is right into DP setting page otherwise return normal
		□ □ □ □ □	
1-2	DP(Decimal Point) Default 0	□ P	1.Decide decimal point with ▲&▼ key(0~4) 2.Press Ⓜ key entry data and into DSPL setting page
		□	

1-3	DSPL(Display Low Scale) Default 0	<div style="border: 1px solid black; padding: 2px; display: inline-block;">D S P L</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">0 0 0 0 0</div>	1. Decide display low scale with ◀&▲&▼ key(-19999~19999) 2. Press Ⓜ key enter data and into DSPH setting page
1-4	DSPH(Display High Scale) Default 19999	<div style="border: 1px solid black; padding: 2px; display: inline-block;">D S P H</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">1 9 9 9 9</div>	1. Decide display high scale with ◀&▲&▼ key(-19999~19999) 2. Press Ⓜ key enter average time
1-5	AVG (Average) Default 1	<div style="border: 1px solid black; padding: 2px; display: inline-block;">A V G</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">0 0 0 0 1</div>	1. Decide display average times with ◀&▲&▼ key(1~99) 2. Press Ⓜ key enter data and into LCUT setting page
1-6	LCUT (Low Cut) Default 0	<div style="border: 1px solid black; padding: 2px; display: inline-block;">L C U T</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">0 0 0 0 0</div>	1. Decide display low cut with ◀&▲&▼ key (0~99) 2. Press Ⓜ key enter data and into AL1 setting page * :Display value lower then setting value, then display value= 0,LCUT setting 0 and function close
1-7	ACT1 (Alarm Active 1 setting page) Default HI	<div style="border: 1px solid black; padding: 2px; display: inline-block;">A C T 1</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">H I</div>	1. Decide active 1 with ▲&▼ key(HI or LO) 2. Press Ⓜ key enter data and into AL2 setting page
1-8	ACT2 (Alarm Active 2 setting page) Default HI	<div style="border: 1px solid black; padding: 2px; display: inline-block;">A C T 2</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">H I</div>	1. Decide active 2 with ▲&▲ key(HI or LO) 2. Press Ⓜ key enter data and into HYS1 setting page
1-9	HYS1(Alarm Hysteresis 1 setting page)Default=0	<div style="border: 1px solid black; padding: 2px; display: inline-block;">H Y S 1</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">0 0 0 0 0</div>	1. Decide Hysteresis 1 with ◀&▲&▼ key(0~999) 2. Press Ⓜ key enter data and into HYS2 setting page
1-10	HYS2(Alarm Hysteresis 2 setting page)Default=0	<div style="border: 1px solid black; padding: 2px; display: inline-block;">H Y S 2</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">0 0 0 0 0</div>	1. Decide Hysteresis 2 with ◀&▲&▼ key(0~999) 2. Press Ⓜ key enter data and into DEL1 setting page
1-11	DEL1(Alarm Delay 1 setting page)Default=0	<div style="border: 1px solid black; padding: 2px; display: inline-block;">D E L 1</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">0 0 0 0 0</div>	1. Decide delay 1 with ◀&▲&▼ key(0~99.9 sec) 2. Press Ⓜ key enter data and into DEL2 setting page
1-12	DEL2(Alarm Delay 2 setting page)Default=0	<div style="border: 1px solid black; padding: 2px; display: inline-block;">D E L 2</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">0 0 0 0 0</div>	1. Decide delay 2 with ◀&▲&▼ key(0~99.9 sec) 2. Press Ⓜ key enter data and into SB setting page
1-13	SB(Start band) Default=0	<div style="border: 1px solid black; padding: 2px; display: inline-block;">S B</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">0 0 0 0 0</div>	1. Decide start band with ◀&▲&▼ key(-999~999) 2. Press Ⓜ key enter data and into SDT setting page * :Input value lower then setting band, ALARM will not compare& action
1-14	SDT(Start Delay Time) Default=0	<div style="border: 1px solid black; padding: 2px; display: inline-block;">S D T</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">0 0 0 0 0</div>	1. Decide start delay time with ◀&▲&▼ key(0~99.9sec) 2. Press Ⓜ key enter data and into CODE setting page * :Input value higher then Start Delay Time ,ALARM recover compare& action
1-15	CODE(Pass Code) Default=0	<div style="border: 1px solid black; padding: 2px; display: inline-block;">C O D E</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">0 0 0 0 0</div>	1. Decide Pass code with ◀&▲&▼ key (0~19999) 2. Press Ⓜ key enter data and into LOCK setting page
1-16	LOCK(Panel Lock) Default=NO	<div style="border: 1px solid black; padding: 2px; display: inline-block;">L O C K</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">N O</div>	1. Decide panel lock with ▲&▼ key (NO or YES) 2. press Ⓜ key return DP 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	<div style="border: 1px solid black; padding: 2px; display: inline-block;">D Z E R O</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">0 0 0 0 0</div>	1. Adjustment display zero with ▲&▼ key 2. Press Ⓜ key enter data and into DSPAN adjustment page * :When lower display value error ,Use DZERO Adjust
2-2	DSPAN(Display Span Adjust)Default=0	<div style="border: 1px solid black; padding: 2px; display: inline-block;">D S P A N</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">0 0 0 0 0</div>	1. Adjustment display span with ▲&▼ key 2. Press Ⓜ key enter data and return normal display * :When higher display value error ,Use DZERO Adjust
Step	Parameter Mark Description	Parameter Mark	Operation Manual
3	Normal display	1 2 3 4 5	Press ◀/ALARM key about 3 sec, into AL1 setting page
3-1	AL1 (Alarm value 1 setting page) Default=0	<div style="border: 1px solid black; padding: 2px; display: inline-block;">A L 1</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">0 0 0 0 0</div>	1. Decide alarm value 1 with ◀&▲&▼ key(-19999~19999) 2. Press Ⓜ key enter data and into AL2 setting page
3-2	AL2 (Alarm value 2 setting page) Default=0	<div style="border: 1px solid black; padding: 2px; display: inline-block;">A L 2</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">0 0 0 0 0</div>	1. Decide alarm value 2 with ◀&▲&▼ key(-19999~19999) 2. Press Ⓜ key return to normal display
Appendix	Error Mark Description	Error Mark	Analyze & Description
1	ADC Input Detect Error	A D E R	1. Input signal over range (180%) 2. Inside circuit damage Please moving input signal if still display ADER, please contact us
2	Input over error detect	· 0 F L	Input signal over range (120%)
3	Input under error detect	- · 0 F L	Input signal under range (-120%)
4	Display over error detect	· 0 F L	Display over range(19999)
5	Display over error detect	- · 0 F L	Display under range(-19999)

6	EEPROM Detect Error	E - □ □	step:
		□ □	1. E-00 & No alternate display for inquire reset EEPROM
		YES	2. Decide Yes with ▲&▼ key, press Ⓜ key return normal display
			3. EEPROM was reset, Please follow step 1~10 set again