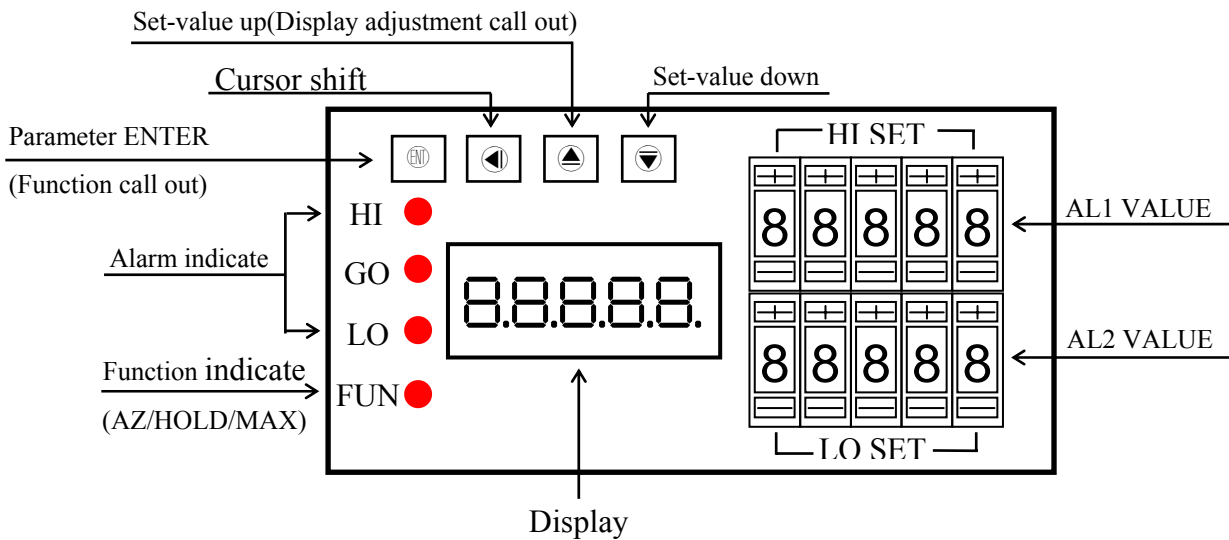


AXE MICROPROCESS PANEL CONTROLLER METER (Pushwell Switch) MMX-AP series

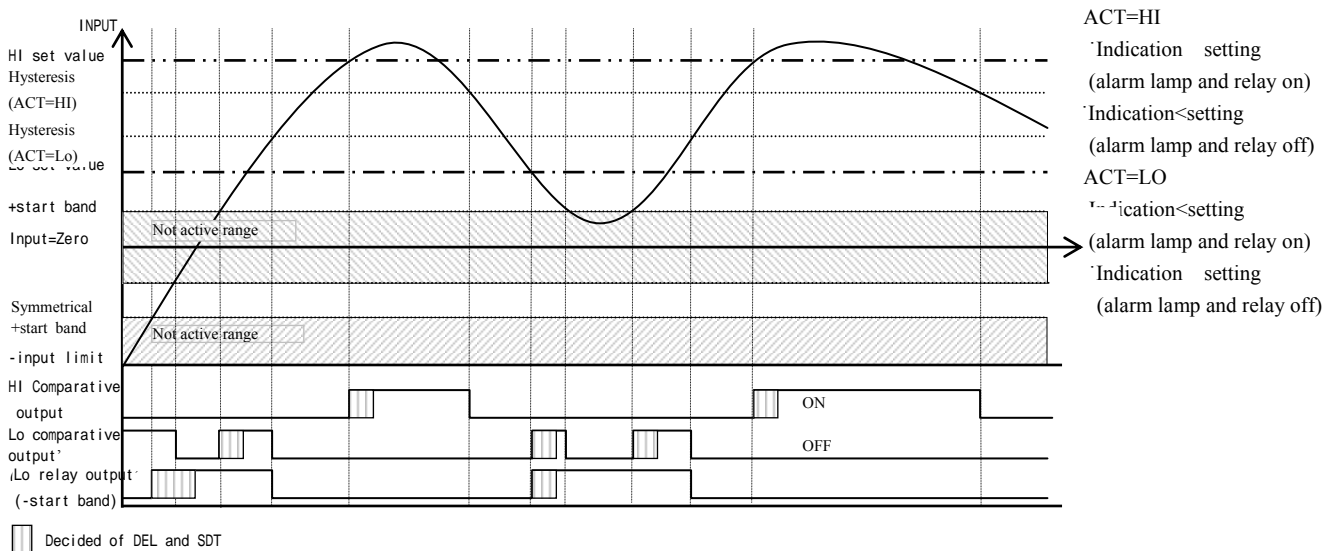
■Features

Measuring DCA/DCV/ACA/ACV/Potentiometer/Pt-100/ Transmitter/Load Cell/Resistor....etc Accuracy 0.1% F.S.±1 digit Display range -19999~19999 can be modified Pushwheel digit switches alarm setting,0~99999 or ±9999 Decimal point can be modified Display value can Max. hold function	3 Alarm function Display average can be modified(1~99) 0.4" LED highlight display Man-machine interface ,easy to operate EEPROM Saving, data safekeeping about 10 years Modified inside parameter, must have pass code
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■Name Of Parts



■Alarm Function Diagram



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	Into parameter setting page, the parameter mark&data is alternate display, If need modify data can press shift 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&DSPAN)page 2.Into parameter setting page, the parameter mark&data is alternate display, If need modify data can press up 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	Into parameter setting page, the parameter mark&data is alternate display, If need modify data can press down 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]/FUNC key into P.COD setting page
2	P.COD(Pass code input page)	P.C o d	1.Key in 5 digit pass code with [▲]or[▲]or[▼]key 2.Press [ENTR]key, the pass code is right into setting group , otherwise return normal display
		0 0 0 0 0	
3	SYS(System setting group)	S Y S	1.Select setting group with [▲] key
	ROP(Alarm setting group)	r o p	2. Press[ENTR]key into setting page of selection setting group
Step	Parameter Mark Description	Parameter Mark	Operation Manual
4	SYS(System setting group)	S Y S	Press [▲]key decide SYS setting group , press [ENTR]key into DP setting page
4-1	DP(Decimal Point) Default=0	d P	1. Decide decimal point position with [▲]or[▼] key (0 to 4) 2. Press [ENTR]key enter data and into DSPL setting page
		0	
4-2	DSPL(Display Low Scale) Default=0	d S P L	1. Decide display low scale with [▲]&[▲]&[▼]key (-19999~19999) 2. Press[ENTR]key enter data and into DSPH setting page
		0 0 0 0 0	
4-3	DSPH(Display High Scale) Default=19999	d S P H	1. Decide display high scale with [▲]&[▲]&[▼]key (-19999~19999) 2. Press[ENTR]key enter data and into AVG setting page
		1 9 9 9 9	
4-4	AVG (Average) Default=1	A v G	1. Decide display Average times with [▲]&[▲]&[▼]key (1~99) 2. Press[ENTR]key enter data and into LCUT setting page
		0 0 0 0 1	
4-5	LCUT (Low Cut) Default=0	L C U T	1. Decide display low cut with [▲]&[▲]&[▼]key (0~99) 2. Press[ENTR]key enter data and into CODE setting page
		0 0 0 0 0	
4-6	CODE(Pass Code) Default=0	C o d E	1. Decide Pass code with [▲]&[▲]&[▼]key (0~19999) 2. Press[ENTR]key enter data and into LOCK setting page
		0 0 0 0 0	
4-7	LOCK(Panel Lock) Default=NO	L o c k	1. Decide panel lock with [▲]or[▼] key (NO or YES) 2. Press[ENTR]key enter data and return SYS setting group
		n o	
Step	Parameter Mark Description	Parameter Mark	Operation Manual
5	ROP(Alarm setting group)	r o p	Press [▲]key decide ROP setting group, press [ENTR]key into ACT1 setting page
5-1	ACT1(Alarm Active 1 setting page)Default=HI	A c t 1	1. Decide active 1 with [▲]or [▼]key(HI or LO) 2. Press[ENTR]key enter data and into ACT2 setting page
		H ,	
5-2	ACT2(Alarm Active 2 setting page)Default=HI	A c t 2	1. Decide active 2 with [▲]or [▼]key(HI or LO) 2. Press[ENTR]key enter data and into HYS1 setting page
		H ,	
5-3	HYS1(Alarm Hysteresis 1 setting page)Default=0	H Y S 1	1. Decide Hysteresis 1 with [▲]or [▲]or [▼]key(0~999) 2. Press[ENTR]key enter data and into HYS2 setting page
		0 0 0 0 0	
5-4	HYS2(Alarm Hysteresis 2 setting page)Default=0	H Y S 2	1. Decide Hysteresis 2 with [▲]or [▲]or [▼]key(0~999) 2. Press[ENTR]key enter data and into DEL1 setting page
		0 0 0 0 0	
5-5	DEL1(Alarm Delay 1 setting page)Default=0	d e l 1	1. Decide delay 1 with [▲]or [▲]or [▼]key(0~99.9 sec) 2. Press[ENTR]key enter data and into DEL2 setting page
		0 0 0 0 0	
5-6	DEL2(Alarm Delay 2 setting page)Default=0	d e l 2	1. Decide delay 2 with [▲]or [▲]or [▼]key(0~99.9sec) 2. Press[ENTR]key enter data and into SB setting page
		0 0 0 0 0	
5-7	SB(Start band) Default=0	S b	1. Decide start band with [▲]or [▲]or [▼]key(-999~999) 2. Press[ENTR]key enter data and into SDT setting page
		0 0 0 0 0	

5-8	SDT(Start Delay Time) Default=0	5 d E 0 0 0 0 0	1.Decide start delay time with ◀or ▲or ▼key(0~99.9sec) 2.Press Ⓜkey enter data and return ROP setting group
Step	Parameter Mark Description	Parameter Mark	Operation Manual
6	Normal display	1 2 3 4 5	Press ▲/D-ADJ key about 3 sec, into DZERO adjustment page
6-1	DZERO(Display Zero Adjust) Default=0	d Z E r o 0 0 0 0 0	1.Adjustment display zero with ▲or ▼key 2.Press Ⓜkey enter data and into DSPAN adjustment page
6-2	DSPAN(Display Span Adjust) Default=0	d S P A n 0 0 0 0 0	1.Adjustment display span with ▲or ▼key 2.Press Ⓜkey enter data and return normal display
Appendix	Error Mark Description	Error Mark	Analyze & Description
1	Input over error detect	, o F L	Input signal over range(120%)
2	Input under error detect	- , o F L	Input signal under range(-20%)
3	Display over error detect	d o F L	Display over range(99999)
4	Display under error detect	- d o F L	Display under range(-19999)
5	A/D Converter error detect	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
6	EEPROM error detect	E - 0 0 n o y e s	1. External interference when EEPROM read/write 2. EEPROM write over 100 million times(guarantee 10 years) 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 3. EEPROM was reset ,Please follow step 1~6 set again