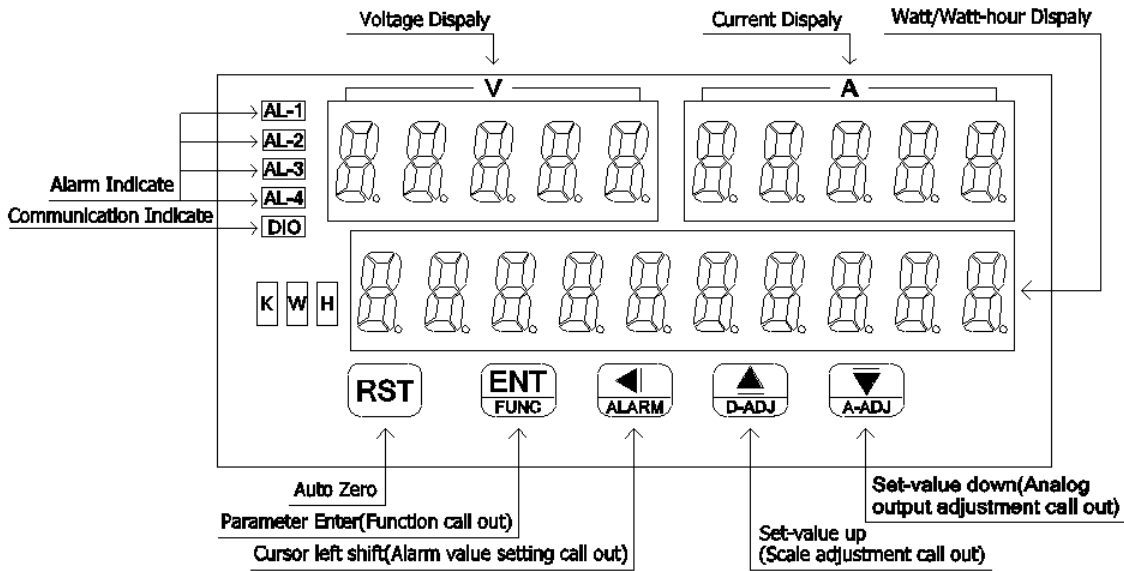


■ Features

◎ Accuracy 0.03% FS±1 digit(IN-V)/0.05% FS±1 digit(IN-A)	◎ 16 bit DAC analog output function(optional)
◎ Measuring and display DCV/±DCA/±W(KW)/±WH(KWH)	◎ Digit RS485 interface function(optional)
◎ Programmable rate 0 to 99999 digit(DCV rate),-19999 to 99999 digit(DCA rate),-1999999999 to 9999999999 digit(totalizer)	◎ BAUD RATE: 19200/9600/4800/2400
◎ Max. four alarm function(optional)	◎ Man-machine interface ,easy to operate
	◎ EEPROM Saving ,data safekeeping about 10 years

■ Name Of Parts



■ Alarm Function Diagram

- ◎ When ACT=HI,DEL= 0 : Display value > Setting value(AL) + Hysteresis (HYS) → (Relay on)
 Display value <= Setting value(AL) - Hysteresis (HYS) → (Relay off)
- ◎ When ACT=LO,DEL= 0 : Display value >= Setting value(AL) + Hysteresis (HYS) → (Relay off)
 Display value < Setting value(AL) - Hysteresis (HYS) → (Relay on)
- ◎ When ACT=HI,DEL= 1 ~ 99 sec.: Display value > Setting value(AL) + Hysteresis (HYS) + Delay time(DEL) → (Relay on)
 Display value <= Setting value(AL) - Hysteresis (HYS) → (Relay off)
- ◎ When ACT=LO,DEL= 1 ~ 99 sec.: Display value >= Setting value(AL) + Hysteresis (HYS) → (Relay off)
 Display value < Setting value(AL) - Hysteresis (HYS) + Delay time(DEL) → (Relay on)
- ◎ When ACT=HI,DEL= -1 ~ -99 sec.:Display value > Setting value(AL) + Hysteresis (HYS) → (Relay one shoot(DEL) and then off)
 Display value <= Setting value(AL) - Hysteresis (HYS) → (Relay restore normal after the procedure)
- ◎ When ACT=LO,DEL= -1 ~ -99 sec.:Display value >= Setting value(AL) + Hysteresis (HYS) → (Relay restore normal after the procedure)
 Display value < Setting value(AL) - Hysteresis (HYS) → (Relay one shoot(DEL) and then off)

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.In normal display,Press ⏪ key Keep beyond 3 seconds, will call out alarm value setting 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 cursor (twinkle express)is cycle moving left.(Key response about 0.2 sec.)
⏩ key function	1.In normal display,Press ⏩ key Keep beyond 3 seconds, will call out adjustment display value 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 be increment.(Key response about 0.2 sec.)
⏴ key function	1.In normal display,Press ⏴ key Keep beyond 3 seconds, will call out adjustment analog output 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 be decrement.(Key response about 0.2 sec.)
⏩ & ⏴ key function	1.In setting group or setting page,Press ⏩ & ⏴ key will return normal display,but if in setting page the modify data will lost
RST key function	1.Press RST key will reset ±WH(KWH) value
No key in anything	1.In setting group or setting page,No key in anything about 30 sec. will return normal display

■ Inside parameter operate procedure			
Step	Parameter Mark Description	Parameter Mark	Operation Manual
1	Normal display	0 1 2 3 4	1. Press /FUNC key into P.CODE setting page
2	P.CODE(Pass Code) Default = 0	P. C o d e	1.Key in 5 digit pass code with & & key 2.Press key,If the pass code is correct then 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 2.Press key into setting page of selection setting group
	ROP(Alarm output Setting Group)	r o P	
	DOP(Communication setting group)	d o P	
	AOP(Analog output Setting Group)	A o P	
4	SYS(System setting group)	S Y S	1.Press key decide SYS setting group 2.Press key into V.DP setting page
4-1	V.DP(Voltage Decimal Point) Default = 0	v. d P	1.Decide Voltage Decimal Point with & key(0~4) 2.Press key enter data and into V.DSPH setting page
		0.	
4-2	V.DSPH(Voltage Display Hi Scale) Default = 10000	v. d S P H	1.Decide Voltage Display Hi Scale with & & key(0~99999) 2.Press key enter data and into A.DP setting page
		1 0 0 0 0	
4-3	A.DP(Current Decimal Point) Default = 0	A. d P	1. Decide Current Decimal Point with & key(0~4) 2. Press key enter data and into A. DSPH setting page
		0.	
4-4	A.DSPH(Current Display Hi Scale) Default = 10000	A. d S P H	1. Decide Current Display Hi Scale with & & key(0~99999) 2. Press key enter data and into UNIT setting page
		1 0 0 0 0	
4-5	UNIT(Unit) Default = W	U n i t	1. Decide Unit with & key(W/KW) 2. Press key enter data and into D10-T setting page
		W	
4-6	D10-T(10 Digit Display Time Mode) Default = WH	d 1 0 - t	1. Decide 10 Display Time Mode with & key(W/WH/-WH/ W/WH/-WH) D10-T= W : only display watt/kilowatt,range(-99999~99999) D10-T= WH:only display +watt/kilowatt hour,range(0~9999999999) D10-T=-WH:only display -watt/kilowatt hour,range(0~-1999999999) D10-T= W/WH/-WH:alternate display watt/watt-hour/-watt-hour by CH-T setting time 2. Press key enter data and into CH-T setting page
		W H	
4-7	CH-T(W/WH/-WH Auto Change Time) Default = 10	C H - t	1. Decide W/WH/-WH Auto Change Time with & & key (10~90 sec.) 2. Press key enter data and into W.DP setting page
		0 0 0 1 0	
4-8	W.DP(Watt Decimal Point) Default = 0	w. d P	1. Decide Watt Decimal Point with & key(0~4) 2. Press key enter data and into WH.DP setting page
		0.	
4-9	WH.DP(Watt-hour Decimal Point) Default = 0	w. H. d P	1. Decide Watt-hour Decimal Point with & key(0~4) 2. Press key enter data and into DRSP setting page
		0.	
4-10	DRSP(Display update rate) Default = 1.0	d r S P	1. Decide Display update rate with & key (0.1 sec./0.5 sec./1.0 sec./2.0 sec./ 3.0 sec./4.0 sec./5.0 sec.) 2.Press key enter data and into DF setting page
		1. 0	
4-11	DF(Analog Output Digital Filter) Default = 1	d f	1. Decide Analog Output Digital Filter with & & key(1~16) 2.Press key enter data and into LCUT setting page
		0 0 0 0 1	
4-12	LCUT(Low cut) Default = 0	L C U T	1. Decide Low cut with & & key(0~99) 2. Press key enter data and into CODE setting page Note:Within this masking range, the ± display value will show zero
		0 0 0 0 0	
4-13	CODE(Pass Code Setting) Default = 00000	C o d e	1.Decide Pass code with & & key (0~99999) 2.Press key enter data and into LOCK setting page
		0 0 0 0 0	
4-14	LOCK(Panel Lock) Default = NO	L o c k	1.Decide panel lock with & key (NO or YES) 2.Press key enter data and return SYS setting group
		0 0 0 0 0	

5	ROP(Alarm Output setting group)	ROP	1.Press ◀ key decide ROP setting group 2.Press Ⓜ key into AL1-S setting page
5-1	AL1-S(Alarm 1 Select) Default = V	AL1-S V	1. Decide Alarm 1 Select with ▲&▼ key(V/A/W/WH) 2. Press Ⓜ key enter data and into ACT1 setting page
5-2	ACT1(Active 1) Default = HI	ACT1 H.	1. Decide active 1 with ▲&▼ key (HI or LO) 2. Press Ⓜ key enter data and into HYS1 setting page
5-3	HYS1(Hysteresis 1) Default = 0	HYS1 00000	1. Decide Hysteresis 1 with ◀&▲&▼ key(0~999) 2. Press Ⓜ key enter data and into DEL1 setting page Note: If AL1-S=WH, HYS1 will disable
5-4	DEL1(Delay 1) Default = 0	DEL1 00000	1. Decide Delay 1 with ◀&▲&▼ key(-99~99 sec.) 2. Press Ⓜ key enter data and into AL2-S setting page Note: -1~-99 is alarm time, 1~99 is delay time
5-5	AL2-S(Alarm 2 Select) Default = A	AL2-S A	1. Decide Alarm 2 Select with ▲&▼ key(V/A/W/WH) 2. Press Ⓜ key enter data and into ACT2 setting page
5-6	ACT2(Active 2) Default = HI	ACT2 H.	1. Decide active 2 with ▲&▼ key (HI or LO) 2. Press Ⓜ key enter data and into HYS2 setting page
5-7	HYS2(Hysteresis 2) Default = 0	HYS2 00000	1. Decide Hysteresis 2 with ◀&▲&▼ key(0~999) 2. Press Ⓜ key enter data and into DEL2 setting page Note: If AL2-S=WH, HYS2 will disable
5-8	DEL2(Delay 2) Default = 0	DEL2 00000	1. Decide Delay 2 with ◀&▲&▼ key(-99~99 sec.) 2. Press Ⓜ key enter data and into AL3-S setting page Note: -1~-99 is alarm time, 1~99 is delay time
5-9	AL3-S(Alarm 3 Select) Default = W	AL3-S W	1. Decide Alarm 3 Select with ▲&▼ key(V/A/W/WH) 2. Press Ⓜ key enter data and into ACT3 setting page
5-10	ACT3(Active 3) Default = HI	ACT3 H.	1. Decide active 3 with ▲&▼ key (HI or LO) 2. Press Ⓜ key enter data and into HYS3 setting page
5-11	HYS3(Hysteresis 3) Default = 0	HYS3 00000	1. Decide Hysteresis 3 with ◀&▲&▼ key(0~999) 2. Press Ⓜ key enter data and into DEL3 setting page Note: If AL3-S=WH, HYS3 will disable
5-12	DEL3(Delay 3) Default = 0	DEL3 00000	1. Decide Delay 3 with ◀&▲&▼ key(-99~99 sec.) 2. Press Ⓜ key enter data and into AL4-S setting page Note: -1~-99 is alarm time, 1~99 is delay time
5-13	AL4-S(Alarm 4 Select) Default = WH	AL4-S WH	1. Decide Alarm 4 Select with ▲&▼ key(V/A/W/WH) 2. Press Ⓜ key enter data and into ACT4 setting page
5-14	ACT4(Active 4) Default = HI	ACT4 H.	1. Decide active 4 with ▲&▼ key (HI or LO) 2. Press Ⓜ key enter data and into HYS4 setting page
5-15	HYS4(Hysteresis 4) Default = 0	HYS4 00000	1. Decide Hysteresis 4 with ◀&▲&▼ key(0~999) 2. Press Ⓜ key enter data and into DEL4 setting page Note: If AL4-S=WH, HYS4 will disable
5-16	DEL4(Delay 4) Default = 0	DEL4 00000	1. Decide Delay 4 with ◀&▲&▼ key(-99~99 sec.) 2. Press Ⓜ key enter data and into SB setting page Note: -1~-99 is alarm time, 1~99 is delay time
5-17	SB(Start band) Default = 0	SB 00000	1. Decide SB with ◀&▲&▼ key (0~99) 2. Press Ⓜ key enter data and into SDT setting page Note: The input display value is within this ± setting range, the alarms are not compared & action
5-18	SDT(Start Delay Time) Default = 0	SDT 00000	1. Decide SDT with ◀&▲&▼ key (0~99 sec) 2. Press Ⓜ key enter data and return ROP setting group Note: Input over SB & reach SDT, Alarm will restore compare & active Note: The input display value exceeds the SB range and reaches the SDT time, Alarm recovery comparison & action

6	DOP(Communication setting group)	D O P	1.Press ◀ key decide DOP setting group 2.Press Ⓜ key into ADDR setting page
6-1	ADDR(Communication Address) Default = 0	A D D R	1.Decide address with ◀&▲&▼ key (0~255) 2.Press Ⓜ key enter data and into BAUD setting page
		0 0 0 0 0	
6-2	BAUD(Communication Baud Rate) Default = 19200	B A U D	1.Decide baud rate with ▲&▼ key (19200,9600,4800,2400) 2.Press Ⓜ key enter data and into PARI setting page
		1 9 2 0 0	
6-3	PARI(Communication Parity Check) Default = n.8.2.	P A R I	1.Decide parity check with ▲&▼ key(n.8.2,n.8.1,even,odd) 2.Press Ⓜ key enter data and return DOP setting group
		n.8.2.	
7	AOP(Analog Output setting group)	A O P	1.Press ◀ key select AOP setting group, 2.Press Ⓜ key into AO-SEL setting page
7-1	AO-SEL(Analog Output Select) Default = A	A O S E L	1.Decide Analog Output Select with ▲&▼ key(V/A/W/WH/-WH) 2.Press Ⓜ key enter data and into ANLO setting page
		A	
7-2	ANLO(Analog Output Zero-According to Display) Default = 0	A N L O	1.Decide Analog Output Zero-According to Display with ◀&▲&▼ key,AO-SEL= V = 0 ~ 99999 A = -19999 ~ 99999 W = -99999 ~ 99999 WH/-WH = -1999999999 ~ 9999999999 2.Press Ⓜ key enter data and into ANHI setting page
		0 0 0 0 0	
7-3	ANHI(Analog Output Span-According to Display) Default = 10000	A N H I	1.Decide Analog Output Span-According to Display with ◀&▲&▼ key,AO-SEL= V = 0 ~ 99999 A = -19999 ~ 99999 W = -99999 ~ 99999 WH/-WH = -1999999999 ~ 9999999999 2.Press Ⓜ key return AOP setting group
		1 0 0 0 0	

■ Outside parameter operate procedure			
Step	Parameter Mark Description	Parameter Mark	Operation Manual
8	Normal display	1 2 3 4 5	1.Press ◀/ALARM about 3 sec, into AL1 setting page
8-1	AL1 (Alarm 1) Default = 0	A L 1	1.Decide alarm 1 value with ◀&▲&▼ key,AL1-S = V Range = 0 ~ 99999 A Range = -19999 ~ 99999 W Range = -99999 ~ 99999 WH Range = -1999999999 ~ 9999999999 2.Press Ⓜ key enter data and into AL2 setting page
		0 0 0 0 0	
8-2	AL2 (Alarm 2) Default = 0	A L 2	1.Decide alarm 2 value with ◀&▲&▼ key,AL2-S = V Range = 0 ~ 99999 A Range = -19999 ~ 99999 W Range = -99999 ~ 99999 WH Range = -1999999999 ~ 9999999999 2.Press Ⓜ key enter data and into AL3 setting page
		0 0 0 0 0	
8-3	AL3 (Alarm 3) Default = 0	A L 3	1.Decide alarm 3 value with ◀&▲&▼ key,AL3-S = V Range = 0 ~ 99999 A Range = -19999 ~ 99999 W Range = -99999 ~ 99999 WH Range = -1999999999 ~ 9999999999 2.Press Ⓜ key enter data and into AL4 setting page
		0 0 0 0 0	
8-4	AL4 (Alarm 4) Default = 0	A L 4	1.Decide alarm 4 value with ◀&▲&▼ key,AL4-S = V Range = 0 ~ 99999 A Range = -19999 ~ 99999 W Range = -99999 ~ 99999 WH Range = -1999999999 ~ 9999999999 2.Press Ⓜ key enter data and return normal display Note: When ALx-S = WH, the alarm value ALx > 0 is judged by WH value, ALx < 0 is judged by -WH value
		0 0 0 0 0	

Step	Parameter Mark Description	Parameter Mark	Operation Manual
9	Normal display	12345	1.Press ▲/D-ADJ key about 3 sec,into V.ZERO adjustment page
9-1	V.ZERO (Voltage Display Zero Adjust)	u.PEro	1.Adjust Voltage Display Zero with ▲&▼ key 2.Press Ⓜ key enter data and into V.SPAN adjustment page
		00000	
9-2	V.SPAN (Voltage Display Span Adjust)	u.SPAn	1.Adjust Voltage Display Span with ▲&▼ key 2.Press Ⓜ key enter data and into I.ZERO adjustment page
		99999	
9-3	I.ZERO (Current Display Zero Adjust)	..PEro	1.Adjust Current Display Zero with ▲&▼ key 2.Press Ⓜ key enter data and into I.SPAN adjustment page
		00000	
9-4	I.SPAN (Current Display Span Adjust)	..SPAn	1.Adjust Current Display Span with ▲&▼ key 2.Press Ⓜ key enter data and return normal display
		99999	
Step	Parameter Mark Description	Parameter Mark	Operation Manual
10	Normal display	12345	1.Press ▼/A-ADJ key about 3 sec, into AZERO adjustment page
10-1	AZERO(Analog Output Zero Adjust) Default = 0	APERo	1.Adjust analog output zero with ◀&▲&▼key (±6000) 2.Press Ⓜ key enter data and into ASPAN adjustment page
		00000	
10-2	ASPAN(Analog Output Span Adjust) Default = 0	ASPAAn	1.Adjust analog output span with ◀&▲&▼key (±6000) 2.Press Ⓜkey enter data and return normal display
		00000	
Appendix	Error Mark Description	Error Mark	Analyze & Description
1	Input over error detect	.oFL	1.Input signal over range
2	Input below error detect	- .oFL	1.Input signal below range
3	Display over error detect	doFL	1.Display over range(99999)
4	Display below error detect	- doFL	1.Display below range (-19999 or-99999 or -1999999999)
5	EEPROM error detect	E-00	1.External interference when EEPROM read/write 2.EEPROM write over 1 million times(guarantee 10 years) Please power reset,if still display E-00, doing below step: a.E-00 & No alternate display for inquire reset EEPROM b.Decide Yes with ▲ or ▼ key,press Ⓜ key return normal display c.EEPROM was reset,Please follow step 1~10 set again
		no	
		YES	

MM2D-DTT Modbus RTU Mode Protocol Address Map

Data format 16Bit/32Bit,sign bit 8000~7FFF(-32768~32767),80000000~7FFFFFFF(-2147483648~2147483647)

Data format 64Bit,sign bit 8000000000000000~7FFFFFFFFFFFFFFF(-2⁶³ ~ (2⁶³ -1))

Address	Name	Description	Accept
0000	UNIT	Unit,Input Range 0000~0001(0~1)(0:W,1:KW)	R/W
0001	LOCK	Panel Lock,Input Range 0000~0001(0~1) (0:NO,1:YES)	R/W
0002	ACT1	Active 1,Input Range 0000~0001(0~1) (0:HI,1:LO)	R/W
0003	ACT2	Active 2,Input Range 0000~0001(0~1) (0:HI,1:LO),	R/W
0004	ACT3	Active 3,Input Range 0000~0001(0~1) (0:HI,1:LO)	R/W
0005	ACT4	Active 4,Input Range 0000~0001(0~1) (0:HI,1:LO)	R/W
0006	AL1_S	Alarm 1 Select,Input Range 0000~0002 (0~3) (0:V,1:A,2:W,3:WH)	R/W
0007	AL2_S	Alarm 2 Select,Input Range 0000~0002 (0~3) (0:V,1:A,2:W,3:WH)	R/W
0008	AL3_S	Alarm 3 Select,Input Range 0000~0002 (0~3) (0:V,1:A,2:W,3:WH)	R/W
0009	AL4_S	Alarm 4 Select,Input Range 0000~0002 (0~3) (0:V,1:A,2:W,3:WH)	R/W
000A	D10-T	10 Digit Display Time Mode,Input Range 0000~0003(0~3)(0:W,1:WH,2:-WH,3:W/WH/-WH)	R/W
000B	AO_SEL	Analog Output Select,Input Range 0000~0004 (0~4) (0:V,1:A,2:W,3:WH,4:-WH)	R/W
000C	BAUD	Communication Baud Rate,Input Range 0000~0003 (0~3)(0:19200,1:9600,2:4800,3:2400)	R/W
000D	PARI	Communication Parity Check,Input Range 0000~0003 (0~3)(0:N82,1:N81,2:EVEN,3:ODD)	R/W
000E	V.DP	Voltage Decimal Point,Input Range 0000~0004 (0~4)(0:10 ⁰ ,1:10 ⁻¹ ,2:10 ⁻² ,3:10 ⁻³ ,4:10 ⁻⁴)	R/W
000F	A.DP	Current Decimal Point,Input Range 0000~0004 (0~4)(0:10 ⁰ ,1:10 ⁻¹ ,2:10 ⁻² ,3:10 ⁻³ ,4:10 ⁻⁴)	R/W
0010	W.DP	Watt Decimal Point,Input Range 0000~0004 (0~4)(0:10 ⁰ ,1:10 ⁻¹ ,2:10 ⁻² ,3:10 ⁻³ ,4:10 ⁻⁴)	R/W
0011	WH.DP	Watt-hour Decimal Point,Input Range 0000~0004 (0~4)(0:10 ⁰ ,1:10 ⁻¹ ,2:10 ⁻² ,3:10 ⁻³ ,4:10 ⁻⁴)	R/W
0012	DRSP	Display update rate,Input Range 0000~0006 (0~6)(0:0.1,1:0.5,2:1.0,3:2.0,4:3.0,5:4.0,6:5.0)	R/W
0013	DF	Analog Output Digital Filter,Input Range 0001~0010 (1~16)	R/W
0014	CH-T	Auto Change Time, Input Range 0010~005A(10~90)	R/W
0015	SDT	Start Delay Time,Input Range 0000~0063 (0~99)	R/W
0016	SB	Start band,Input Range 0000~0063 (0~99)	R/W
0017	DEL1	Delay 1,Input Range FF9D~0063 (-99~99)	R/W
0018	DEL2	Delay 2,Input Range FF9D~0063 (-99~99)	R/W
0019	DEL3	Delay 3,Input Range FF9D~0063 (-99~99)	R/W
001A	DEL4	Delay 4,Input Range FF9D~0063 (-99~99)	R/W
001B	LCUT	Lcut,Input Range 0000~0063 (0~99)	R/W
001C	ADDR	Communication Address,Input Range 0000~00FF(0~255)	R/W
001D	HYS1	Hysteresis 1,Input Range 0000~03E7 (0~999)	R/W
001E	HYS2	Hysteresis 2,Input Range 0000~03E7 (0~999)	R/W
001F	HYS3	Hysteresis 3,Input Range 0000~03E7 (0~999)	R/W
0020	HYS4	Hysteresis 4,Input Range 0000~03E7 (0~999)	R/W
0021	AZERO	Analog Output Zero Adjust,Input Range E890~1770(-6000~6000)	R/W
0022	ASpan	Analog Output Span Adjust,Input Range E890~1770(-6000~6000)	R/W
0023	CODE	Pass Code Setting,Input Range 00000000~0001869F(0~99999)high word	R/W
0024		Pass Code Setting,Input Range 00000000~0001869F(0~99999)low word	R/W
0025	V.DSPH	Voltage Display Hi Scale,Input Range 00000000~0001869F (0~99999)high word	R/W
0026		Voltage Display Hi Scale,Input Range 00000000~0001869F (0~99999)low word	R/W
0027	A.DSPH	Current Display Hi Scale,Input Range 00000000~0001869F (0~99999)high word	R/W
0028		Current Display Hi Scale,Input Range 00000000~0001869F (0~99999)low word	R/W
0029	AL1	Alarm 1, Input Range V = 0000000000000000~00000000001869F(0~99999) A = FFFFFFFF88CA6C01~00000000001869F(-19999~99999) W = FFFFFFFF7961~00000000001869F(-99999~99999) WH = FFFFFFFF88CA6C01~00000002540BE3FF(-199999999~999999999) high word	

002A		Alarm 1,Input Range Same as above	R/W
002B		Alarm 1,Input Range Same as above	R/W
002C		Alarm 1,Input Range Same as above low word	R/W
002D	AL2	Alarm 2,Input Range Same as above high word	R/W
002E		Alarm 2,Input Range Same as above	R/W
002F		Alarm 2,Input Range Same as above	R/W
0030		Alarm 2,Input Range Same as above low word	R/W
0031	AL3	Alarm 3,Input Range Same as above high word	R/W
0032		Alarm 3,Input Range Same as above	R/W
0033		Alarm 3,Input Range Same as above	R/W
0034		Alarm 3,Input Range Same as above low word	R/W
0035	AL4	Alarm 4,Input Range Same as above high word	R/W
0036		Alarm 4,Input Range Same as above	R/W
0037		Alarm 4,Input Range Same as above	R/W
0038		Alarm 4,Input Range Same as above low word	R/W
0039	ANLO	ANLO , Input Range V = 0000000000000000~00000000001869F(0~99999) A = FFFFFFFFB1E1~00000000001869F(-19999~99999) W = FFFFFFFF7961~00000000001869F(-99999~99999) WH/ -WH = FFFFFFFF88CA6C01~0000002540BE3FF(-1999999999~999999999) high word	R/W
003A		ANLO,Input Range Same as above	R/W
003B		ANLO,Input Range Same as above	R/W
003C		ANLO,Input Range Same as above low word	R/W
003D	ANHI	ANHI,Input Range Same as above high word	R/W
003E		ANHI,Input Range Same as above	R/W
003F		ANHI,Input Range Same as above	R/W
0040		ANHI,Input Range Same as above low word	R/W
0041	RESET	WH(KWH)和-WH(-KWH) Value Reset,Input Range 0000~0001(0~1) (0:OFF,1:ON)	R/W
0042	STATUS	Alarm&Display Status,Range 0000~FFFF(0~65535) Bit0:AL1, Bit1:AL2, Bit2:AL3, Bit3:AL4, Bit4:V dofl, Bit6:V iofl, Bit7:V -iofl,Bit8:A dofl,Bit9:A -dofl,Bit10:A iofl,Bit11:A -iofl,Bit12:W dofl,Bit13:W -dofl,Bit14:WH dofl,Bit15:-WH dofl	R
0043	DISP_V	Voltage Display Value,Display Range 00000000~0001869F(0~99999) high word	R
0044		Voltage Display Value,Display Range 00000000~0001869F(0~99999) low word	R
0045	DISP_A	Current Display Value,Display Range FFFFB1E1~0001869F(-19999~99999) high word	R
0046		Current Display Value,Display Range FFFFB1E1~0001869F(-19999~99999) low word	R
0047	DISP_W	Watt(Kilowatt) Display Value,Display Range FFFE7961~0001869F(-99999~99999) high word	R
0048		Watt(Kilowatt) Display Value,Display Range FFFE7961~0001869F(-99999~99999) low word	R
0049	DISP_WH	Watt(Kilowatt)-hour, Display range 0000000000000000~0000002540BE3FF(0~999999999)high word	R
004A		Watt(Kilowatt)-hour, Display range 0000000000000000~0000002540BE3FF(0~999999999)	R
004B		Watt(Kilowatt)-hour, Display range 0000000000000000~0000002540BE3FF(0~999999999)	R
004C		Watt(Kilowatt)-hour, Display range 0000000000000000~0000002540BE3FF(0~999999999) low word	R
004D	DISP_-WH	-Watt(Kilowatt)-hour, Display range 0000000000000000~FFFFFFF88CA6C01(0~-199999999)high word	R
004E		-Watt(Kilowatt)-hour, Display range 0000000000000000~FFFFFFF88CA6C01(0~-199999999)	R
004F		-Watt(Kilowatt)-hour, Display range 0000000000000000~FFFFFFF88CA6C01(0~-199999999)	R
0050		-Watt(Kilowatt)-hour, Display range 0000000000000000~FFFFFFF88CA6C01(0~-199999999) low word	R