

# 5 Digits Dual Input/Output Signal Isolated Transmitter

# GMDA

## FEATURES

- Accuracy:  $\pm 0.1\%$  F.S.  $\pm 1$  digit
- High brightness 0.4" LED display range: -199999-999999; decimal point selectable
- Dual input and dual output.
- Math function: +, -,  $\times$ ,  $\div$ , Compare function: AndHi, AndLo.
- Selectable output function. Can be set for IN1, IN2 or Math Result
- Surge test of AC 2000V / min between input, output and power
- High stability, non-flammable case (PC), high safety

**Fastron**  
Electronics



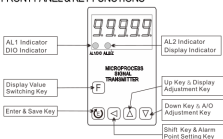
## ORDER CODE: GMDA - CODE1 CODE2 CODE3 - CODE4 - CODE5 CODE6

C1	Input Type	C2	I/P 1	C3	I/P 2	C4	Aux. Power	C5	Output 1	C6	Output 2
D	DC	1	0-50mV	1	0-50mV	A	AC/DC 100-240V	A	4-20mA	N	None
A	AC Average	2	0-10V	2	0-10V	D	AC/DC 22-60V	V	0-10V	A	4-20mA
M	AC TRMS	3	0-300V	3	0-300V			L	Loop Power 4-20 mAdc	V	0-10V
T	RTD PT100	4	0-20mA	4	0-20mA			L	Loop Power 4-20 mAdc	L	Loop Power 4-20 mAdc
2	2 Wire Sensor	5	4-20mA	5	4-20mA			Y	RS485	R	Relay
3	3 Wire Sensor	6	0-2A	6	0-2A			R	Relay	C	O.C
		7	0-5A	7	0-5A			O	Option	O	Option
		O	Option	O	Option						

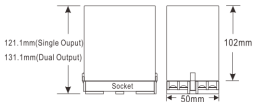
## SPECIFICATION

- ◆ Accuracy:  $\pm 0.1\%$  F.S.  $\pm 1$  digit (DC)  
 $\pm 0.2\%$  F.S.  $\pm 1$  digit (AC)
- ◆ Display Screen: High brightness red LED; 10.16mm(0.4")
- ◆ Sampling Time: 16 cycles / sec
- ◆ Display Range: -19999-99999
- ◆ Zero Adjustment: -9999-9999
- ◆ Over Range Indication: doFL / ioFL or -doFL / -ioFL
- ◆ Polarity Indication: Automatic with "\*" indication
- ◆ Parameters Setting: Push buttons
- ◆ Back Up Memory: EEPROM
- ◆ Alarm Action: \* ≥ (Hi) on\* or \* < (Lo) on\*
- ◆ Alarm Run Delay Time: 0-99 sec
- ◆ Relay Contact: AC 277V / 7A; DC 30V / 7A
- ◆ Analog Output Resolution: 15 bit
- ◆ Output Response Time: <250 msec (0-90%)
- ◆ Output Capability: Voltage Output: <20mA  
Current Output: <10V
- ◆ Communication: RS-485 Modbus RTU mode
- ◆ Baud Rate: 38400 / 19200 / 9600 / 4800 bps
- ◆ Temperature Coefficient: 100ppm / C (0-60 C)
- ◆ Operating Temperature: 0-60 C
- ◆ Operating Humidity: 20-90% RH (non-condensing)
- ◆ Storage Temperature: -10-70 C
- ◆ Storage Humidity: 20-90% RH (non-condensing)
- ◆ Power Supply: AC/DC 100-240V; AC/DC 22-60V
- ◆ Power Consumption: 8.5VA (all functions output)
- ◆ Surge Test: 1.5kVac / 1min (Input / Power)
- ◆ Input Impedance: Voltage: >2V for 20kΩ / V;  $\leq 2V$  for >20MΩ  
Current:  $\geq 0.2A$  at 100mV; <0.2A at 1V

## FRONT PANEL & KEY FUNCTIONS

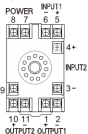


## DIMENSION

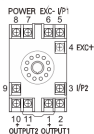


## WIRING CONNECTION

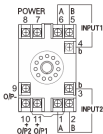
- Voltage (V), Current (A), AC, DC:



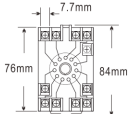
- 2,3 Wire Sensor:



- PT100:

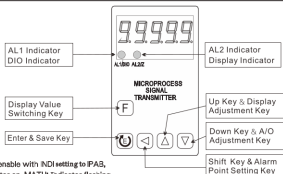


## SOCKET SIZE:



\* Please understand key indicators & functions at the first operation.

## FRONT PANEL & KEY FUNCTIONS



\* Display indicating function enable with NDI setting to IPAS,  
INA: Indicator off, INB: Indicator on, MATH: Indicator flashing

Key Name	Symbol	Descriptions
Display Value Switching Key	F	1. Press this key to switch the display value to INA, INB or Math Result.
Enter Key & Save Key	⏻	1. In the measuring status, press this key can enter to parameter pages. 2. In the parameter setting, press this key can save the value & go to next parameter.
Shift Key & Alarm Setting Key	⏪	1. In the measuring status, press this key for 3 sec can enter to alarm setting page. 2. In the parameter setting, press this key can move the cursor left.
Up Key & Display Value Adjusting Key	⏩	1. In the measuring status, press this key for 3 sec can enter to display value adjustment page. 2. In the parameter setting, press this key can increase the digits.
Down Key & A/O Adjusting Key	⏴	1. In the measuring status, press this key for 3 sec can enter to analog output adjustment page. 2. In the parameter setting, press this key can decrease the digits.
Leave Key	⏩+⏴	1. In any screen, press this combination key will jump out to measuring status.

\*\*1. The following block charts are parameters codes, parameter codes & parameters will alternate flashing if the parameters can be modified.

- To modify the parameters, please press  $\leftarrow/\rightarrow/\uparrow/\downarrow$ , and press  $\text{⏻}$  to save the parameter after the modification.
- Please don't forget the new pass code after modification.
- In any pages, press  $\uparrow$  &  $\downarrow$ , or don't press any keys for 2 minutes that will

## ALARM SETPOINT SETTING GROUP

\*\* Press  $\leftarrow$  key for 3 seconds in measuring status to enter this setting group.

Display	Default	Name	Descriptions
AL 1	00000	Alarm 1 Setpoint Setting (AL1)	Setting the alarm set point, Setting range: 00000~99999
AL 2	00000	Alarm 2 Setpoint Setting (AL2)	

## DISPLAY VALUE ADJUSTMENT SETTING GROUP

\*\* Press  $\uparrow$  key for 3 seconds in measuring status to enter this setting group.

Display	Default	Name	Descriptions
doFS 1	00000	I/P1 Display Offset Setting (doFS1)	Setting the I/P1 display offset count, Setting range: 00000~99999
dGA 1	10000	I/P1 Display Gain Setting (dGA1)	Setting the I/P1 display gain, Setting range: 0.0001~9.9999

## DISPLAY VALUE ADJUSTMENT SETTING GROUP

Display	Default	Name	Descriptions
<b>dP1</b>	0.	I/P1 Decimal Point Setting (dP1)	Select the decimal point of I/P1. Setting range: 0., 1., 2., 3., 4..
<b>dSPL1</b>	00000	I/P1 Low Scale Setting (dSPL1)	Setting the display low scale of I/P1. Setting range: -19999-99999
<b>dSPH1</b>	99999	I/P1 High Scale Setting (dSPH1)	Setting the display high scale of I/P1. Setting range: -19999-99999
<b>doFS2</b>	00000	I/P2 Display Offset Setting (doFS2)	Setting the I/P1 display offset count. Setting range: 00000-99999
<b>dGA12</b>	10000	I/P2 Display Gain Setting (dGA12)	Setting the I/P1 display gain. Setting range: 0.0001-9.9999
<b>dP2</b>	0.	I/P2 Decimal Point Setting (dP2)	Select the decimal point of I/P2. Setting range: 0., 1., 2., 3., 4..
<b>dSPL2</b>	00000	I/P2 Low Scale Setting (dSPL2)	Setting the display low scale of I/P2. Setting range: -19999-99999
<b>dSPH2</b>	99999	I/P2 High Scale Setting (dSPH2)	Setting the display high scale of I/P2. Setting range: -19999-99999
<b>dPn</b>	0.	Math Result Decimal Point Setting (dPM)	Select the decimal point of math result. Setting range: 0., 1., 2., 3., 4..

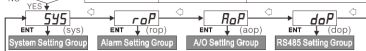
## A/O VALUE ADJUSTMENT SETTING GROUP

**\*\* Press  $\square$  key for 3 seconds in measuring status to enter this setting group.**

Display	Default	Name	Descriptions
<b>RoFS1</b>	Factory Calibration Value	A/O1 Value Offset Setting (AoFS1)	Setting the A/O1 offset. Setting range: -9999-9999 *Please record the original setting value before adjustment.
<b>AGA11</b>	Factory Calibration Value	A/O1 Value Gain Setting (AGA11)	Setting the A/O1 gain. Setting range: -9999-9999 *Please record the original setting value before adjustment.
<b>AnLo1</b>	00000	A/O1 Low Scale Setting (AnLO1)	Setting the A/O1 low scale value. Setting range: -19999-99999 *Output the minimum rated value when the display value equals to the AnLoX setting.
<b>AnH11</b>	99999	A/O1 High Scale Setting (AnHi1)	Setting the A/O1 high scale value. Setting range: -19999-99999 *Output the maximum rated value when the display value equals to the AnHiX setting.
<b>RoFS2</b>	Factory Calibration Value	A/O2 Value Offset Setting (AoFS2)	Setting the A/O2 offset. Setting range: -9999-9999 *Please record the original setting value before adjustment.
<b>AGA12</b>	Factory Calibration Value	A/O2 Value Gain Setting (AGA12)	Setting the A/O2 gain. Setting range: -9999-9999 *Please record the original setting value before adjustment.
<b>AnLo2</b>	00000	A/O2 Low Scale Setting (AnLO2)	Setting the A/O2 low scale value. Setting range: -19999-99999 *Output the minimum rated value when the display value equals to the AnLoX setting.
<b>AnH12</b>	99999	A/O2 High Scale Setting (AnHi2)	Setting the A/O2 high scale value. Setting range: -19999-99999 *Output the maximum rated value when the display value equals to the AnHiX setting.

# MAIN OPERATING PROCEDURES

Display	Default	Name	Descriptions
Power ON		POWER ON	
10000		Measuring Status	
P.Cod	00000	Pass Code (P.Cod)	Enter the correct pass code to enter the main setting group
P Cod Correct			*If the pass code is wrong, it will jump out to the measuring status.



Display	Default	Name	Descriptions
SYS		System Setting Group(SYS)	
MATH	OFF	Math Mode Setting (MATH)	Select the math mode, Setting range: AddAB, SubAB, MulAB, DivAB, AndHi, AndLo, OFF
AVG	00005	Display Value Average Times Setting (AVG)	Setting the display average times, Setting range: 1-99 (times) *Please use this function for stable display value when it is unstable.
LCUT	00000	Display Value Lowcut Setting (LCUT)	Setting the display lowcut valut, when the input value is lower this setting, the display value will be "0". Setting range: 0-999
zb	00000	Display Zero Band Setting (zb)	Setting the display zero band, $zb = [\text{stable value}(\text{SV})] + \text{DSPH} \times 1000$ if the SV is $\pm 1.0$ , and the DSPH is 600.0, so the $zb = 1.0 + 600.0 \times 1000 = 1.666$ Setting range: 0-9,999
Zdt	00000	Display Zero Tracking Time Setting (Zdt)	Setting the display zero tracking time, zb function enable after this setting time. Setting range: 0-99 (s)
Hb	00000	Input Holding Band Setting (Hb)	Setting the display holding band, $Hb = [\text{stable value}(\text{SV})] + \text{DSPH} \times 1000$ if the SV is $\pm 0.5$ , and the DSPH is 600.0, so the $Hb = 0.5 + 600.0 \times 1000 = 0.833$ Setting range: 0-9,999
Hdt	00000	Input Holding Time Setting (Hdt)	Setting the display holding time, hb function enable after this setting time. Setting range: 0-99 (s)
FILT	00001	Display (FILT)	Setting the filter, setting range: 1, Normal mode: 0.1,2,3,4..... 2, Even mode: 0.2,4,6,8..... 5, Multiples of 5: 0.5,10,15..... 10, Multiples of 10: 0, 10, 20, 30.....
doFLU	99999	Display Overflow Value Setting (doFLU)	Setting the display overflow value, when the input value over this setting, it will display DoFLU. Setting range: 0-99999
SQRT	OFF	Roof Square Function Setting (Sqrt)	Setting the roof function of the input. Setting range: oFF(Disable), IPA(I/P1 Enable), IPB(I/P2 Enable), IPAB(I/P1&2 Enable)
dISP	RATEA	Display Selection Setting (dISP)	Select the display value. Setting range: RATEA, RATEB, MATH
indi	IPAB	Indicator Setting (indi)	AL2/IPAB indicator setting. Setting range: IPAB(Display Indicator), AL2(AL2 Indicator)
CodE	00000	Pass Code Setting (CodE)	Setting the pass code. Setting range: 0-19999 (Please remember this setting)
LoCK	no	Key Lock Setting (LoCK)	Setting the key lock, when set, the setting page can only be viewed. Setting range: no (unlock), YES (lock)

Display	Default	Name	Descriptions
<b>roP</b>		Alarm Setting Group(roP)	
<b>roSL1</b>	<b>rALtEA</b>	AL1 Selection Setting (roSL1)	Select the alarm setting.
<b>roSL2</b>	<b>rALtEA</b>	AL2 Selection Setting (roSL2)	Setting range: RATEA(I/P1),RATEB(I/P2),MATH.
<b>ACT1</b>	<b>H</b>	AL1 Action direction Setting (ACT1)	Setting the alarm action direction.
<b>ACT2</b>	<b>H</b>	AL2 Action direction Setting (ACT2)	Setting range: Hi(Alarm action when display value $\geq$ alarm setpoint), Lo(Alarm action when display value < alarm setpoint)
<b>HYS1</b>	<b>00000</b>	AL1 Hysteresis Setting (HYS1)	Setting the alarm hysteresis count.
<b>HYS2</b>	<b>00000</b>	AL2 Hysteresis Setting (HYS2)	Setting range: 0-9999 *The alarm reset when display value cross the setpoint and this setting.
<b>dEL1</b>	<b>00000</b>	AL1 Action Delay (Time Setting)(dEL1)	Setting the alarm action delay time.
<b>dEL2</b>	<b>00000</b>	AL2 Action Delay (Time Setting)(dEL2)	Setting range: 0-99 (s) *The alarm action when display value cross the setpoint and over this setting time.
<b>Sb</b>	<b>00000</b>	Alarm Start Band Setting (Sb)	Setting the alarm start band, when the display value is less than this setting, the alarm is disable.
<b>Sdt</b>	<b>00000</b>	Alarm Start Delay Time Setting (Sdt)	Setting range: -99-99 Setting the alarm start delay time, when the display value is large than SB, and over this time, the alarm is enable.
			Setting range: 0-99 (s)

<b>RoP</b>		A/O Setting Group(AoP)	
<b>RoSL1</b>	<b>rALtEA</b>	A/O1 Selection Setting (PoLA1)	Select the A/O1 Setting.
<b>PoLA1</b>	<b>no</b>	A/O1 Polarity Setting (PoLA1)	Setting range: RATEA(I/P1),RATEB(I/P2),MATH Setting the A/O1 polarity.
<b>RoSL2</b>	<b>rALtEA</b>	A/O2 Selection Setting (PoLA1)	Setting range: no(Positive), YES(Negative). Select the A/O2 Setting.
<b>PoLA2</b>	<b>no</b>	A/O2 Polarity Setting (PoLA2)	Setting range: RATEA(I/P1),RATEB(I/P2),MATH Setting the A/O2 polarity.
			Setting range: no(Positive), YES(Negative).

<b>doP</b>		RS485 Setting Group(doP)	
<b>Addr</b>	<b>00000</b>	Address Setting (Addr)	Setting the address.
<b>bAUd</b>	<b>38400</b>	Baud Rate Setting (bAUd)	Setting range: 0-255 Setting the baud rate.
<b>PARi</b>	<b>n.8.2</b>	Parity Setting (PARi)	Setting range: 38400, 19200, 9600, 4800 (bps) Setting the parity.
<b>FRAnE</b>	<b>no</b>	Frame Setting (FRAnE)	Setting range: n.8.2, n.8.1, EvEn, Odd Setting the frame.
			Setting range: no(MSB->LSB), YES(LSB->MSB).

### ERROR CODE DESCRIPTIONS

Display	Descriptions	Display	Descriptions
<b>1oFL</b>	Input out of range 120%.	<b>doFL</b>	Display out of range 99999.
<b>-1oFL</b>	Input out of range -20%.	<b>-doFL</b>	Display out of range -19999.
<b>AdEr</b>	Input out of range 180%, or internal circuit failure.	<b>E-00</b>	EEPROM write overtime or failure.

※When error code shown, please remove the input signal to confirm that it is faulty by meter or sensor.

## Modbus RTU Mode Protocol Address Map

**\*\* Data length 16/32 Bit, range of 8000-7FFF (-32768-32767), 800000007FFFFFFF (-2147483648-2147483647)**

Modbus	Hex	Name	R/W	Descriptions
40001	0000	ID	R	Model identification of GMDA is 43H
40002	0001	FUNC	R	
40003	0002	INDI	R/W	IPAB/AL2 Indicator, Range: 0000-0001 (0-1); 0: INAB, 1: AL2
40004	0003	SORT	R/W	Square root function, Range: 0000-0003 (0-3); 0: off, 1: PA, 2: IPB, 3: IPAB
40005	0004	MATH	R/W	Math function, Range: 0000-0006 (0-6); 0: +, 1: -, 2: X, 3: -, 4: AndHi, 5: AndLo, 6: off
40006	0005	POLAR1	R/W	A/O1 polarity, Range: 0000-0001 (0-1); 0: No, 1: YES
40007	0006	POLAR2	R/W	A/O2 polarity, Range: 0000-0001 (0-1); 0: No, 1: YES
40008	0007	FILT	R/W	Display filter, Range: 0000-0003 (0-3); 0: 1, 1: 2, 2: 5, 3: 0
40009	0008	DISP	R/W	Display selection, Range: 0000-0002 (0-2); 0: IPA, 1: IPB, 2: MATH
40010	0009	FRAME	R/W	Frame, Range: 0000-0001 (0-1); 0: No, 1: YES
40011	000A	LOCK	R/W	Key lock, Range: 0000-0001 (0-1); 0: No, 1: YES
40012	000B	AOSEL1	R/W	A/O1 selection, Range: 0000-0002 (0-2); 0: A, 1: B, 2: MATH
40013	000C	AOSEL2	R/W	A/O2 selection, Range: 0000-0002 (0-2); 0: A, 1: B, 2: MATH
40014	000D	ROSEL1	R/W	AL1 selection, Range: 0000-0002 (0-2); 0: A, 1: B, 2: MATH
40015	000E	ROSEL2	R/W	AL2 selection, Range: 0000-0002 (0-2); 0: A, 1: B, 2: MATH
40016	000F	ACT1	R/W	AL1 action direction, Range: 0000-0001 (0-1); 0: Hi, 1: Lo
40017	0010	ACT2	R/W	AL2 action direction Range: 0000-0001 (0-1); 0: Hi, 1: Lo
40018	0011	DP1	R/W	I/P1 decimal count, Range: 0000-0004 (0-4); 0: 0 digit, 1: 1 digit 2: 2 digit 3: 3 digit 4: 4 digit
40019	0012	DP2	R/W	I/P2 decimal count, Range: 0000-0004 (0-4); 0: 0 digit, 1: 1 digit 2: 2 digit 3: 3 digit 4: 4 digit
40020	0013	DPM	R/W	Math value decimal count, Range: 0000-0004 (0-4); 0: 0 digit, 1: 1 digit 2: 2 digit 3: 3 digit 4: 4 digit
40021	0014	BAUD	R/W	Baudrate, Range: 0000-0003 (0-3); 0: 38400, 1: 19200, 2: 9600, 3: 4800
40022	0015	PARI	R/W	Parity, Range: 0000-0003 (0-3); 0: n.8.2., 1: n.8.1., 2: EvEn, 3: odd
40023	0016	AVG	R/W	Average times, Range: 0001-0063 (1-99)
40024	0017	ADDR	R/W	Address, Range: 0000-00FF (0-255)
40025	0018	DEL1	R/W	AL1 delay time, Range: 0000-0063 (0-99)
40026	0019	DEL2	R/W	AL2 delay time, Range: 0000-0063 (0-99)
40027	001A	SB	R/W	AL1 delay time, Range: FF9D-0063 (-99-99)
40028	001B	SDT	R/W	AL1 delay time, Range: 0000-0063 (0-99)
40029	001C	ZDT	R/W	Display zero tracking time, Range: 0000-0063 (0-99)
40030	001D	HDT	R/W	Input holding time , Range: 0000-0063 (0-99)
40031	001E	LCUT	R/W	Display lowcut, Range: 0000-0317 (0-999)
40032	001F	ZB	R/W	Display zero band, Range: 0000-270F (0-9999)
40033	0020	HB	R/W	Input holding band, Range: 0000-270F (0-9999)
40034	0021	HYS1	R/W	AL1 hysteresis, Range: 0000-270F (0-9999)
40035	0022	HYS2	R/W	AL2 hysteresis, Range: 0000-270F (0-9999)
40036	0023	CODE	R/W	Pass code, Range: 0000-4E1F (0-19999)
40037	0024	AOFS1	R/W	A/O1 offset, Range: D8F1-270F (-9999-9999)
40038	0025	AGAIN1	R/W	A/O1 gain, Range: D8F1-270F (-9999-9999)
40039	0026	AOFS2	R/W	A/O2 offset, Range: D8F1-270F (-9999-9999)
40040	0027	AGAIN2	R/W	A/O2 gain, Range: D8F1-270F (-9999-9999)

Modbus	Hex	Name	R/W	Descriptions
40041	0028	ANLO1	R/W	A/O1 low scale, Range: FFFF1E1-0001869F (-19999-99999) MSB
40042	0029		R/W	A/O1 low scale, Range: FFFF1E1-0001869F (-19999-99999) LSB
40043	002A	ANH1	R/W	A/O1 high scale, Range: FFFF1E1-0001869F (-19999-99999) MSB
40044	002B		R/W	A/O1 high scale, Range: FFFF1E1-0001869F (-19999-99999) LSB
40045	002C	ANLO2	R/W	A/O2 low scale, Range: FFFF1E1-0001869F (-19999-99999) MSB
40046	002D		R/W	A/O2 low scale, Range: FFFF1E1-0001869F (-19999-99999) LSB
40047	002E	ANH2	R/W	A/O2 high scale, Range: FFFF1E1-0001869F (-19999-99999) MSB
40048	002F		R/W	A/O2 high scale, Range: FFFF1E1-0001869F (-19999-99999) LSB
40049	0030	DSPL1	R/W	I/P1 low scale, Range: FFFF1E1-0001869F (-19999-99999) MSB
40050	0031		R/W	I/P1 low scale, Range: FFFF1E1-0001869F (-19999-99999) LSB
40051	0032	DSPH1	R/W	I/P1 high scale, Range: FFFF1E1-0001869F (-19999-99999) MSB
40052	0033		R/W	I/P1 high scale, Range: FFFF1E1-0001869F (-19999-99999) LSB
40053	0034	DSPL2	R/W	I/P2 low scale, Range: FFFF1E1-0001869F (-19999-99999) MSB
40054	0035		R/W	I/P2 low scale, Range: FFFF1E1-0001869F (-19999-99999) LSB
40055	0036	DSPH2	R/W	I/P2 high scale, Range: FFFF1E1-0001869F (-19999-99999) MSB
40056	0037		R/W	I/P2 high scale, Range: FFFF1E1-0001869F (-19999-99999) LSB
40057	0038	DOFST1	R/W	I/P1 offset Range: FFFF1E1-0001869F (-19999-99999) MSB
40058	0039		R/W	I/P1 offset, Range: FFFF1E1-0001869F (-19999-99999) LSB
40059	003A	DGAIN1	R/W	I/P1 gain, Range: FFFF1E1-0001869F (-19999-99999) MSB
40060	003B		R/W	I/P1 gain, Range: FFFF1E1-0001869F (-19999-99999) LSB
40061	003C	DOFST2	R/W	I/P2 offset, Range: FFFF1E1-0001869F (-19999-99999) MSB
40062	003D		R/W	I/P2 offset Range: FFFF1E1-0001869F (-19999-99999) LSB
40063	003E	DGAIN2	R/W	I/P2 gain, Range: FFFF1E1-0001869F (-19999-99999) MSB
40064	003F		R/W	I/P2 gain, Range: FFFF1E1-0001869F (-19999-99999) LSB
40065	0040	DOFL	R/W	Display overflow, Range: FFFF1E1-0001869F (-19999-99999) MSB
40066	0041		R/W	Display overflow, Range: FFFF1E1-0001869F (-19999-99999) LSB
40067	0042	AI1	R/W	AL1 setpoint, Range: FFFF1E1-0001869F (-19999-99999) MSB
40068	0043		R/W	AL1 setpoint, Range: FFFF1E1-0001869F (-19999-99999) LSB
40069	0044	AI2	R/W	AL2 setpoint, Range: FFFF1E1-0001869F (-19999-99999) MSB
40070	0045		R/W	AL2 setpoint, Range: FFFF1E1-0001869F (-19999-99999) LSB
40071	0046	RATEA	R	Display value of I/P1, Range: 0000000-0001869F (0-99999) MSB
40072	0047		R	Display value of I/P1, Range: 0000000-0001869F (0-99999) LSB
40073	0048	RATEB	R	Display value of I/P2, Range: 0000000-0001869F (0-99999) MSB
40074	0049		R	Display value of I/P2, Range: 0000000-0001869F (0-99999) LSB
40075	004A	CALC_ANS	R	Math result, Range: FFFF1E1-0001869F (-19999-99999) MSB
40076	004B		R	Math result, Range: FFFF1E1-0001869F (-19999-99999) LSB