PANEL METER MT4Y SERIES

INSTRUCTION MANUA





Thank you for choosing our Autonics products Please read the following safety considerations before use.

Safety Considerations

erve all safety considerations for safe and proper product operation to avoid hazards

rations are categorized as follows.

Warning Failure to follow these instructions may result in serious injury or death.

Caution Failure to follow these instructions may result in personal injury or product damage.

*The symbols used on the product and instruction manual represent the following ▲ symbol represents caution due to special circumstances in which hazards may occur

- | National | National

- 1. Do not use the unit outdoors.
 Failure to follow this instruction may result in electric shock or shorten the life cycle of the unit.
 2. When connecting the power input and relay output cables, use AWG20 (0.05mm2) cables and make sure to tighten the terminal screw bolt above 0.74N.m to 0.90N.m.
- sure to tighten the terminal screw bolt above 0.74N.m to 0.90N.m.
 Failure to follow this instruction may result in fire due to contact failure.

 3. Use the unit within the rated specifications.
 Failure to follow this instruction may result in electric shock or shorten the life cycle of the unit.

 4. Do not use loads beyond the rated switching capacity of the relay contact.
 Failure to follow this instruction may result in insulation failure, contact failure, contact bonding, relay damage, or fire

- or fire.

 5. Do not use water or oil-based detergent when cleaning the unit. Use dry cloth to clean the unit. Failure to follow these instructions may result in electric shock or fire.

 6. Do not use the unit where flammable or explosive gas, humidity, direct sunlight, radiant heat, vibration, and impact may be present.

 Failure to follow this instruction may result in fire or explosion.

 7. Keep dust and wire residue from flowing into the unit.

- 7. Reep dust and wire residue from howing into the wint.

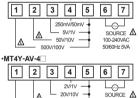
 Failure may result in fire or product malfunction.

 8. Check the polarity of the measurement input contact before wiring the unit.

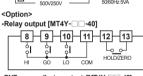
 Failure to follow this instruction may result in fire or explosion.

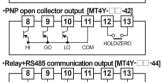
■ Front Panel Identification ■ Panel Cut-Out Min. 91 1. HI: High output indication of preset 2. Go: Go output indication of preset 3. Li: Low output indication of preset 4. ₩000€: Mode Key 4. ₩1000€: Control key 6. Unit label part 31.5+0.5 68-0.7 4 5 6. Unit label part *There are no 1, 2, 3 output indication in Indicator type (Unit: mm)

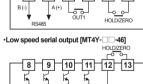
■ Terminal Connection



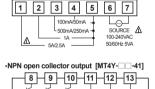
2V/1V — 20V/10V — 110V/50V — 500V250V SOURCE A 100-240VAC 50/60Hz 5VA

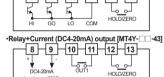


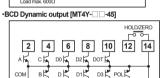




•MT4Y-DA-4 1 2 3 4 5 6 7 - 5A/2A ·MT4Y-AA-4

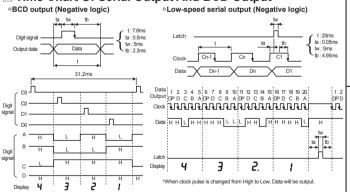






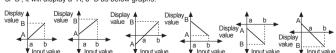
1 3 5 7 9 11 13

■ Time Chart Of Serial Output And BCD Output



■ Prescale Function [PA 1: H-50/L-50]

This function is to display setting (-1999 to 9999) of particular High/Low-limit value in order to display High/Low-limit value of measured input. If measured inputs are 'a' or 'b' and particular values are 'A' or 'B', it will display a=A, b=B as below graphs.



■ Error Display Function

Floring when many and input is assessed the many allowable input (4400/)
Flashes when measured input is exceeded the max.allowable input (110%)
Flashes when measured input is exceeded the min.allowable input (-10%)
Flashes when display input is exceeded H - 5L setting value
Flashes when display input is exceeded L - 5[setting value
Flashes when input frequency is exceeded the max. display value of measurement range
Flashes when it exceeds zero range (±99)
F

*" LLLL" is displayed when the measured input is 4-20mA. *After flashing " ouEr " 2 times when it exceeds the zero range, it returns to RUN mode

■ Monitoring Max./Min. Display Value Function

[PA 0: HPEY / LPEY, PA 2: PEYE]

It monitors max/min. value of display value based on the current displays value and then displays the data at MPEY, LPEY of parameter 0. Set the delay time (0 to 30 sec.) at PEYL of parameter 2 in order to prevent malfunction caused by initial overcurrent or overvoltage, when monitoring the peak value. Delay time is 0 to 30 sec. and it starts to monitor the peak value after the set time. When pressing any one of \$\(\frac{\text{W}}{\text{E}} \igneright) \text{Reyer} \text{VEYE}, MPEY of parameter 0, the monitored data is initialized. \$\text{Monitoring function is not displayed when the delay time is set as "00 5" at \$PEYL of parameter 2.

**The above specifications are subject to change and some models may be discontinued

Specifications

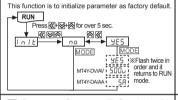
Series		MT4Y				
Power supply		100-240VAC 50/60Hz				
Allowable voltage range		90 to 110%				
Power consumption		5VA				
Display method		7 Segment LED display (red) (Character height: 14.2mm)				
Display accuracy		23°C±5°C - DC Type: F.S. ±0.1% rdg±2digit: AC Type: F.S. ±0.3% rdg±3digit DC/AC Type: F.S. ±0.3% rdg +3digit max. only for 5A terminal. -10°C to 50°C - DC/AC Type: F.S.±0.5% rdg±3digit				
Input spe	ecification	DC Voltage/Current, AC Voltage/Current, AC Frequency				
Max. allo	wable input	110% F.S. for each measured input range				
A/D conve	ersion method	Practical oversampling using successive approximation ADC				
Sampling	cycle	DC type: 50ms, AC type: 16.6ms				
Max. indi	cation range	-1999 to 9999 (4digit)				
Preset or	utput	Relay output - Contact capacity: 250VAC 3A, 30VDC 3A/Contact composition: N.O (1a) NPN/PNP Open Collector output - 12-24VDC ±2V 50mA Max. (Load resistance)				
Sub output (Transmission output)		RS485 communication output - Baud rate: 1200/2400/4800/9600, Communication method: 2-wire half duplex, Synchronous method: Asynchronous method, Protoco: Modbus type - Serial/BCD output - NPN Open collector output, 12-24VDC Max. 50mA (Resistive load) - DC4-20mA output - Resolution: 12,000division (Load resistance max. 600Q), Response time: Max. 450ms				
Insulation	n resistance	Min. 100MΩ (at 500VDC megger) between external terminal and case				
Dielectric	stength	2,000VAC for 1minute between external terminal and case				
Noise ste	ength	±2kV the square wave noise (pulse width: 1μs) by the noise simulator				
Vibration	Mechanical	0.75mm amplitude at frequency of 10 to 55Hz (for 1 min.) in each X, Y, Z direction for 2 hours				
VIDIALIOIT	Malfunction	0.5mm amplitude at frequency of 10 to 55Hz (for 1 min.) in each X, Y, Z direction for 10 min.				
Shock	Mechanical	100m/s² (approx. 10G) in each X, Y, Z direction for 3 times				
SHOCK	Malfunction	300m/s² (approx. 30G) in each X, Y, Z direction for 3 times				
Relay	Mechanical	Min. 20,000,000 operations				
life cycle	Malfunction	Min. 100,000 operations (250VAC 3A Load current)				
Environ-	Ambient temperature	-10 to 50°C, Storage: -20 to 60°C				
ment	Ambient humidity	35 to 85%RH, Storage: 35 to 85%RH				
Insulation	type	Double insulation or reinforced insulation (Mark: , , dielectric strength between the measuring input part and the power part: 1kV)				
Approval		(€ c 91 2 us				
Weight ^{※1}		Approx. 213.5g (approx. 134g)				

■ Specification Of Measured Input And Range [PA 1: t n-r]

 $\times\!\!\!/ 1$. The weight includes packaging. The weight in parentheses is for unit only. $\times\!\!\!/ Environment$ resistance is rated at no freezing or condensation.

Туре	Measured input and range		Input impedance	Display range [5End]	Prescale Display range [5 [R L]		
	0-500V	[5000]	4.33ΜΩ	0.0 to 500.0 (fixed)			
DC Volt	0-100V	[1000]	4.33ΜΩ	0.0 to 100.0 (fixed)		_	
	0-50V	[50]	433.15kΩ	0.00 to 50.00 (fixed)	dot Display range	1	
	0-10V	[100]	433.15kΩ	0.00 to 10.00 (fixed)	∏ -1999 to 9999	1	
DC VOIL	0-5V	[50]	43.15kΩ	0.000 to 5.000 (fixed)		1 1	
	0-1V	[/u]	43.15kΩ	0.000 to 1.000 (fixed)		4	
	0-250mV	[0.250]	2.15kΩ	0.0 to 250.0 (fixed)	0.00 -19.99 to 99.99		
	0-50mV	[50ñu]	2.15kΩ	0.00 to 50.00 (fixed)	0.000 -1.999 to 9.999	1	
	0-5A	[SR]	0.01Ω	0.000 to 5.000 (fixed)	(Display range is variable according to decimal point position.)		
	0-2A	[85]	0.01Ω	0.000 to 2.000 (fixed)			
	0-500mA	[0.5 A]	0.1Ω	0.0 to 500.0 (fixed)			
DC	0-200mA	[0.2 R]	0.1Ω	0.0 to 200.0 (fixed)			
Ampere	0-50mA	[50AA]	1.0Ω	0.00 to 50.00 (fixed)	**Please wire the proper terminal to		
	4-20mA	[4-50]	1.0Ω	4.00 to 20.00 (fixed)	its max. input within 30 to 100% of		
	0-5mA	[558]	10.0Ω	0.000 to 5.000 (fixed)	the input terminal.		
	0-2mA	[855]	10.0Ω	0.000 to 2.000 (fixed)	When it is higher than input, it may		
	0-500V	[500]	4.98ΜΩ	0.0 to 500.0 (fixed)	cause terminal breakdown and		
	0-250V	[250]	4.98ΜΩ	0.0 to 250.0 (fixed)	HHHH appears. The accuracy is		
	0-110V	[110P]	1.08MΩ	0.0 to 440.0 (fixed)	decreased when it is connected to the terminal under 30%.		
AC Volt	0-50V	[50]	1.08ΜΩ	0.00 to 50.00 (fixed)			
AC VOIL	0-20V	[20]	200kΩ	0.00 to 20.00 (fixed)	and terminar and or 5070.		
	0-10V	[100]	200kΩ	0.00 to 10.00 (fixed)			
	0-2V	[20]	20kΩ	0.000 to 2.000 (fixed)	※In case of 0 to 110V [I□P] o		
	0-1V	[10]	20kΩ	0.000 to 1.000 (fixed)	AC voltage range and usin		
	0-5A	[58]	0.01Ω	0.000 to 5.000 (fixed)	P.T (potential transformer) f		
	0-2.5A	[2.5A]	0.01Ω	0.000 to 2.500 (fixed)	440V/110VAC, if 110V is input		
AC	0-1A	[IR]	0.05Ω	0.000 to 1.000 (fixed)	and the unit displays 440		
Ampere	0-500mA	[0.5 R]	0.1Ω	0.0 to 500.0 (fixed)	automatically by preset scal		
Ampere	0-250mA	[0.25A]	0.1Ω	0.0 to 250.0 (fixed)	value for P.T user's convenient.		
	0-100mA	[D. IR]	0.5Ω	0.0 to 100.0 (fixed)			
	0-50mA	[505A]	0.5Ω	0.00 to 50.00 (fixed)			

Initialization Function



Timer Function [PA 2: 5 L R L] This time function limits the operation of an output

Startup Compensation

until the measured input (overvoltage or inrush current) is stable at moment of power on. All outputs are off during startup compensation time setting after power is supplied.

AC Frequency Measurement

It measures input signal frequency when it is AC input. It uses fixed decimal point[PA1: dolb], measured range can be changed by setting and measured range of decimal point position is as below chart. It is available to adjust the upper gradient at [PA1::nb2] and [PA1::nb2]. In order to measure frequency normally, input signal, over 10% F.S. of the measured range, should be supplied. Please select the proper point of measurement terminal.

OMeasured range

0.000 0.00 0.0

| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100

**Accuracy of frequency measurement: Below 1kHz, F.S. ±0.1rdg ±2digit. From 1kHz to 10kHz, F.S. ±0.3rdg ±2digit.

Setting range: 00.0 to 99.9 (Unit: sec.) Factory default: 00.0

Function [PA 1: dl 5P]

Measured range
 Decimal point
 O.

■ Current Output (DC4-20mA) Scale Adjustment Function

[PA 2: F5-H/F5-L]

It sets current output for the display value at the current output to the display value at the current output to the display value at the current output to test display value for 4mA at F5-L and 20mA at F5-H and the range between F5-H and F5-L should be 10% FS. (When it sets as under 10% FS., it changed as over 10% FS. automatically) Preset display value is fixed to output as 4mA at under F5-L and 20mA at over F5-H.

Output 20mA Min. setting range 10% F.S. 4mA F5-H Display value

01 nbH: 0.100 to 9.999 [Gradient adjustment of high value] 01 nbE: 10⁻², 10⁻¹, 10⁰, 10¹ [Index adjustment of 1 nb.H]

[PA 1: | nb.H / | nb.L]

Error Correction Function

It corrects display value error of measured input.

In b. 1:499 [Adjust deviation of low value]

In b. 1:5.000 to 0.100 [Correct gradient (%) of high value]

Display value (Measured value × In b.M) + In b.I.

When the measured range is 0 to 500V, and the display range is 0

ESO 0.1 [Ithe but display range is 0 when the measured rangers so to oxid, and the display rising its oxid to 500.0. If the low display value is "1/2" to 0V input, set -12 as the $t \rightarrow b \perp v$ value to display "10" by adjusting the offset of the low value. The display value to the 500V measured input value is " $50 \cdot 10$ ", calculate 500.050.10 (the desired display value the display value, and set the 0.998 correction value as the $t \rightarrow b \neq 1$ to $t \rightarrow b \neq 1$

*The offset correction range of Inb.L is within -99 to 99 for D⁰, D¹ digit regardless of dicimal point.

Zero Adjustment Function

It adjusts the indication value of the optional configured input value as zero by force, zero point error can be adjusted with 3 ways as below. When zero adjustment adjustment with front key and Hold terminal is finished normally, zero of measurement terminal is displayed and the adjusted value is saved at Inb L automatically.

Operation	Input correction value		Input external signal	ı
value method			Short-circuit external Hold terminal no.12, 13 over min.50m.	
※Refer to description "■ Error correction function", "■ Error display function", "■ Parameter 2" for function and error.				

α Time β Time

X Input value

■ Gradient Correction Function [PA 1: I nb.H]

Figure 1) Display value Y can be adjusted as α, β times against X input value by correction function [I nbH] and used as correction function of max. display value [H-50]. Adjustment range is 0.100 to 5.000 and multiply current gradient.

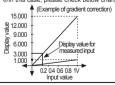
Agisament ranger 5 in 70 to 50 to 6 and in hintiply cut ment gradient.
Explinput: 200mVDC, Display:3.000 for MT4Y-DV type

@Select 0-1VDC for measured input in Parameter 1.

@Standard specification in input: 0-1VDC and 1.000 therefore it has to be 15.000[H-5t] for 1VDC (Input) in order to display 3.000 for 200mVDC (Input).

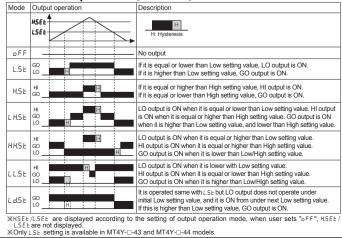
But it is unable due to setting range is 9.999.

③In this case, please check below chart. Please set as I nbH × H-5[= 15.000



Setting method	H-5C	L-5C	InbH	Note
1	Unavailable	0.000	1.000	_
2	7.500	0.000	2.000	
3	5.000	0.000	3.000	In this case, any setting methods
4	3.750	0.000	4.000	display the same display value.
6	3.000	0.000	5.000	1

■ Preset Output Mode [PA 2: oUt.t.]



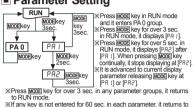
■ Display Cycle Delay Function [PA 2: dl 5.₺]

In some applications the measured input may fluctuate which in turn causes the display to fluctuate. By adjusting the display cycle delay function time at 41.5½ of parameter 2, the operator can adjust the display time within a range of 0.1 sec to 5 sec. For example, if the operator sets the display cycle time to 4.0 sec., the display value display cycle time to 4.0 sec., the display value displayed will be the average input value over 4 sec. and also will show any changes if any every 4 sec

■ Parameter

Parameter Display			Function	Note	
PR I	In-E	Input type	Selectable RMS/AVG in AC type	Available AC type only.	
	In-r	Input range	Selection of input range	_	
		Display	Selection of display type	Setting range: 5End, 5ERL, FrE9	
	Stnd	Standard	Standard scale range	Display max. display value of 5 t nd	
	FrE9	Frequency	Frequency display	Available AC type only.	
	SERL	Scale	Scale range	Those are displayed at 5.50; only it agts may/min	
	H-50	High scale	Set max. value of display range	These are displayed at 5[RL only. It sets max/min. display value (-1999 to 9999).	
(Parameter 1)	L-50	Low scale	Set min. value of display range	display value (-1999 to 9999).	
	dot	Dot	Set decimal point position	It is displayed in 5ERL/FrE9 only and set the position	
	I nbH	Input bias high	Correct high-limit value of display value	5End/5ERL: Correction range: 0.100 to 5.000 FrE9: Correction range: 0.100 to 9.999	
	I nbL	Input bias low	Correct low-limit value of display value	Setting range: -99 to +99	
	I nb.E	Input bias exponent	Set display index of frequency mode	Setting range: 10 ⁻² , 10 ⁻¹ , 10 ⁰ , 10 ¹	
	oUtt	Out type	Set operation mode of preset output	Setting range: oFF, LSE, HSE, LHSE, HHSE, LLSE, LdS	
	H95	Hysteresis	Set hysteresis value	Setting range: 1 to 10% F.S.	
	SERE	Startup compensation time	Set startup compensation time	Setting range: 0.0 to 99.9 sec.	
	PELL	Peak time	Set monitoring delay time for peak value (sec)	Setting range: 00sec to 30sec.	
	di SE	Display time	Set sampling time (sec.)	0.1 to 5.0 sec. (Variable by 0.1 sec.)	
	EEro	Zero key	Set usage of front side zero adjustment key	no: Not use front side zero adjustment key 9E5: Use of front side zero adjustment key	
PR2 (Parameter 2)	Euln	Event input	Set external terminal (12, 13) function	HoLd: Use external terminal as Hold terminal = Ero: Use external terminal as zero point adjustment terminal	
,	F5-H	Full scale high	Set the upper value output point or PV output	Min. set range: Min. 10% F.S.	
		Full scale low	Set the lower value output point or PV output	Max. set range: Max. F5-H 10%	
	AdrS	Address	Set communication address	Setting range: 01 to 99	
		Bit per second	Set baud rate (bps)	Setting range: 1200, 2400, 4800, 9600	
		Parity bit	Set parity bit	Setting range: nonE, EuEn, odd	
		Stop bit	Set stop bit	Setting range: 1, 2	
		Response waiting time	Set response wating time	Setting range: 5 to 99	
	LoC	Lock	Set lock function	Setting range: off, Lo[1, Lo[2, Lo[3	
		High set	Set high setting value	Setting range can be set within the display range	
PA 0	L.SEE	Low set	Set low setting value	of Stad/SCAL	
(Parameter 0)	HPEL	High peak	Max. value by data monitoring	Initializes the monitored data value by pressing	
	LPFH	Low peak	Min. value by data monitoring	any one of 🔇, 🔀, 🉈 keys.	

■ Parameter Setting



to RUN mode.

If any key is not entered for 60 sec. in each parameter, it returns to RUN mode.

Kafter returning to RUN mode, press MODE key within 2 sec., it returns to previous parameter. (Refer to the below descriptions of each parameter group.)

KPA 0 group cannot be entered when preset output mode of [PR2] group is OFF.

■ Parameter 0



It displays High-limit monitoring value (High peak) in RUN mode.

High peak) in RUN mode.

High peak) in RUN mode.

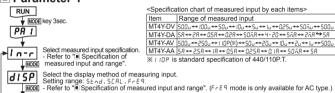
High peak in RUN mode it is initialized by pressing any one of with the run monitoring value.

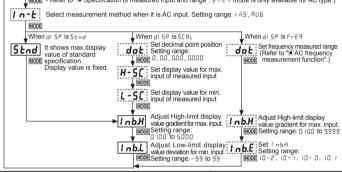
MODE

MODE

 \times If PELL monitoring delay time of Parameter 2 is set as "0 0 5", HPEL and L.PEL are not displayed.

Parameter 1





Parameter 2 RUN



Select Preset output mode.
Setting range: oFF, LSE, LHSE, LHSE, LLSE, LdSE, oFF

OULL.
Setting range: oFF, LSE, SEL SE, LHSE, LHSE, LLSE, LdSE, oFF

WONLY oFF, LSE, setting is available in MT4Y—43 and MT4Y—44 models. H95 Set preset hysteresis within 10% of F.S. But, it is not displayed when a U.E. mode is a F.F.

5ERL Set startup compensation time. Setting range: 0.0 to 99.9 sec.

PELL Set monitoring delay time. Setting range: 00 to 30sec. **d I 5.L**Set display period and also variable sets by 0.1sec. Setting range: 0.1 to 5.0sec.

Setting range: 0.1 to 5.0sec.

Setting range: 0.1 to 5.0sec.

For one of the set of the

F5-L Set low-limit value for the DC4mA output position of PV outpu

] MODE Rdr5 Set address of RS485 communication output.

Setting range: 01 to 99 MODE Select baud rate of RS485 communication output. Setting range: 9500, 4800, 2400, 1200

MODE Pre 9 Select parity bit of RS485 communication Setting range: nonE, EuEn, odd MIXIDE Select stop bit of RS485 communication. Setting range: 1, 2

Setting range: 5 to 99 MODE

Set key lock function and select from 4 kinds.
Seting range: oFF, LoC | 1, LoC2 | LoC3 | oFF

Note: oF | No key lock function | LoC2 | Parameter 1, 2 lock
LoC | Parameter 1 lock | LoC3 | Parameter 0, 1, 2 lock

Change The Parameter Setting Value

Advance to the parameter to be changed when pressing Mooe key continuously in RUN mode and releasing Mooe key at the parameter. (Refer to ■ Parameter setting")

 When pressing MODE key in each parameter, the initial mode of the parameter is displayed.
 (Refer to the description of each arms.) parameter.)

3. When pressing one of 💆 . 💆 , 🖄 keys in display mode, the saved setting value is displayed.

Ex)

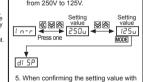
Setting Value Setting Value Setting value

[250]

Ressone

0.5 sec.

. Change the setting value by ☒ or ☒ key when setting value flashes. Ex) Change AC type measured input from 250V to 125V.



MODE key, the changed setting value flashes twice and enters into the next setting.

6. It returns RUN mode from parameter by pressing MODE key for 3 sec.

User Manual For Communication

Visit our website (www.autonics.com) to download the user manual for communication of MT series.

Cautions During Use

Please use the terminal (M3.5, Max.7.2mm) when connectting the AC power supply.
Please use separated line from high voltage line or power line in order to avoid inductive noise.
Please install power switch or circuit breaker in order to cut off the power supply.
The switch or circuit breaker should be installed near by users for safety.

5. Be sure to avoid using the following unit near by machinery making strong high frequency noise.

5. Be sure to avoid using the following unit near by machinery making strong high frequency noise. (High frequency welder & Sewing machine, High capacity SCR unit etc.)

6. When input is applied, if "HHHH" or "LLL" is displayed, there is some problem with measured input, please check the line after power off.

7. Noise inflowing from power line can cause serious problem for D.P.M. (Digital Panel Meter) driving by AC power supply. Even though here is condense for protecting noise between lines at primary side of power transformer. but it is very difficult to install protection components at small see product like DPM. Therefore, please use noise absorber circuit such as line filter, varistor in external lines when voltage failure occurs by power relay, magnet SVM and high frequency equipment are operated in a same

line or surge occurs by spark of high voltage or thunder etc.

8. Input line: Shield wire must be used when the measuring input line is getting longer in the place occurring lots of noise
9. Allowable installation environment
()If shall be used indoor
()Pollution Degree 2
()Installation Catergory

*Failure to follow these instructions may result in product damage

Major Products



Autonics Corporation

DPM

Earth ground

Trusted Partner In Industrial Automation

#402-303, Bucheon Techno Park, 655, Pyeongch Wonmi-gu, Bucheon, Gyeonggi-do, South Korea, TEL: 82-32-610-2730 / FAX: 82-32-329-0728 :-mail: sales@autonics.com OVERSEAS SALES:

Using Single shield wire

D.P.M.