30330AD



Parameter Group

Paran

Paran

d - I

d - I

d - 1

Push the [MODE] key over 2 sec to enter the parameter setting mode. In the setting mode, change the parameter group by the [4/b] keys and enter the group by pushing the [MODE] key, In the group, change the parameter by the [4/b] keys, select it by pushing the [MODE] key, and change the setting value by [▲/▼] kevs In the each step, push the [MODE] key over 3 sec to save and return to the upper step

	varannotoro a	lo onabio b	, rolatoa paramot	or ootang					
PARA I	Parameter group 1				PRRR2	Parameter g Settings rela	group 2 ited to pre	sent value.	
	display and error output.				Paramet	Parameter Setting range			Default
Paramet	er	Setting rar	nae	Default			o E E	Off	
RSPd	Response time	330µs, 500 5ms	μs, 1ms, 2ms,	1ms	CALC	Calculation	Add-Ab SUb-Ab AVG	Add Subtraction Average mode	oFF
SENS	Teaching mode	IPNE 2PNE	1-point 2-point	IPNE	GAIN	Gain Filter	1, 2, 3 ₽⊮ F	Average filter	1 9×5
NoNE	Output type	No NE	Normally open Normally closed	No	RVF	Samples for averaging	di FF 1, 2, 4, 8, 256, 512	Differential filter 16, 32, 64, 128, 1024, 2048, 4096	16
di SP	PV display	SENd SERLE	Standard Scale	SENd	MEdi AN	Samples for median	₀FF, 3, 5	, 7, 15, 31	oFF
dot	Display digit	0.000, 0.00	, 0.0, 0	0.000			PERK	Off Peak	
H-SE	Display	-99.999 to 99.999		Different by models	Hold	Hold	bottoM P-P	Bottom Difference	oFF
L - 5 C	scale						SAMPLE RVG	Sample Average	
НУБ	Hysteresis	0.001 to 99.999		0.001	Hol dt	Hold timing	E-IN BEUP	External input	E-IN
H-RN	Analog	-99.999 to 99.999		Different	erent	input	REdW	Under auto trigger level	
L-AN	output scale			models	RELV	Auto trigger level	-99.999 to 99.999		0
ERRoUL	Error output	KEEP FIX	Keep PV Fixed value	ĸĔĔ₽	ЯЕНУБ	Auto trigger hysteresis	0.001 to !	99.999	0.001
FI≭oUĿ	Fixed output	Set analog	output range	Max. value	E-Mod	Timer	oFF oNd oFd	Off Output delay Output hold	oFF
					ELME	Timer value	0 to 9999)	0
PARA3	PRRR3 Parameter group 3 Settings related to external input.				PRRAY	Parameter g Settings relat	group 4 ted to user	convenience functi	ons.
Paramet	er	Setting rar	nge	Default	Parameter Setting range			Default	
d-INI	External			E-IN	di R	Display direction	[▲/▼] (s → [MOD	elect direction) E] (apply)	Normal display

N I	External			E-IN	di R	direction	⊢→ [MÓĎ	E] (apply)	display	
	input 1		0#		ьЯмк	Bank		6ANK-0,6ANK-1 6ANK-2,6ANK-3	ья <i>к -</i> О	
и2	External input 2	E-IN OULELR	Timing input Output reset	oUEELR	SR⊮E	Saving mode	6FF 581/E1 581/E2	Off Digital display All display	oFF	
NЭ	External input 3	ZERo DANK-A DANK-D	Zero adjustment Bank input-A Bank input-B	L-oFF	Lofk	Lock mode	oFF Lo[K Lo[K2	Off [AUTO], [ZERO] [AUTO], [ZERO] +entering parameter	oFF	
NЧ	External input 4			ZERo			Lo[K3	group GRUP GIK3 All key (except unlock key)	0	
					I NI E	Initialize	6FF,ELF CLR-62	?-60,СLR-61, .СLR-63,СLR-Я	oFF	

%Parameter group 4 is common, not saved per bank separately.

Error Display

In error status, "ደዖନ_ወନ" is displayed on present value (PV) display. Deal with an error by referring to the below solution of each setting value (SV) display.

Setting value (SV) display	Output	Reason	Solution				
неяа	0	Disconnection of sensor head/amplifier unit/cable Sensor head malfunction	Check the connection between sensor head and amplifier unit. Check the disconnection of sensor head cable. Perform the above items and supply the power again.				
LRSER	0	Malfunction of emission	If the problem is not resolved after the above items are performed, it i judged that the sensor head is defective and needs to be replaced.				
d R R K		Not existing the object or	Adjust the distance between sensor head and object in the maximum measurement rance.				
RRNGE		measurement range					
6RI GHE	—	Over receive the light	5				
	—	In status of display unavailable	Return to status of present value display available.				
Я-тEт	0	Amplifier unit memory malfunction (EEPROM cannot be refreshed due to exceeding the number of recording over 1 million times)	Turn off the power, check the connection of sensor head, and supply the power again. Executes the initialize ' NI Ł' function. If the problem is not resolved after the above items are performed, it is judged that the amplifier unit is defective and needs to be replaced.				
H-MEM	0	Sensor head memory malfunction	Turn off the power, check the connection of sensor head, and supply the power again. If the problem is not resolved after the above item is performed, it is judged that the amplifier unit is defective and needs to be replaced.				
RMP-C	0	Poor connection between amplifier units.	Check the connection between amplifier units, and supply the power again.				
v ∈ R	0	Mismatch the version of firmware between sensor head and amplifier unit.	Please contact the Autonics technical advisory center.				
oUt	0	Disconnection of the judgement output	After turn off the power, check connection of HIGH (black) / GO (gray) / LOW (orange) wire, and supply the power again.				
RULo	—	Teaching failure	After check the object is in the maximum measurement range, execute again.				
AMP	0	Amplifier unit error	After turn off the power, check the connection of sensor head, and supply the power again. If the problem is not resolved after the above items are performed, it is judged that the amplifier unit is defective and needs to be replaced.				
oEUR	0	Over current of output terminal	Check the load of output is specification range. Check the output is contacted other wire or frame.				

Cautions during Use

I. Follow instructions in 'Cautions during Use'. Otherwise, it may cause unexpected accidents.
I. Follow instructions in 'Cautions during Use'. Otherwise, it may cause unexpected accidents.
The power supply should be insulated and limited voltage/current or Class 2, SELV power supply device.
A but on tinstall where strong magnetic or electric field exist. Otherwise, the resolution may be adversely affected.
A futual optical interference between laser sensors and photoelectric sensors may result in malfunction.
S. Where connecting DC relay or other inductive load to the output, remove surge by using diode or varistor.
Where as hort as possible and keep away from high voltage lines or power lines, to prevent surge and inductive noise.
Iammifier unit

[Amplifier unit] For the optimized performance, it is recommended to measure after 30 minute from supplying power. [Amplifier unit]). Since external disturbance light (sunlight, fluorescent lighting, etc.) can cause product malfunction, use the product with a light shield or slit. [Sensor head]

When detecting with the maximum sensitivity, an error may occur depending on each characteristic deviation.

This unit may be used in the following environments. Olndoors/Outdoors (in the environment condition rated in 'Specifications') @Altitude max. 2,000m

3 Pollution degree 2

④Installation category II

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